

# ALLIED

## ELECTRONICS FOR EVERYONE 1969

OUR 48TH YEAR • CATALOG 280 • INDEX PAGE 451



SATISFACTION  
GUARANTEED OR  
YOUR MONEY BACK

SEE PAGE 450

# ALLIED RADIO

100 N. WESTERN AVE • CHICAGO, ILL. 60680 • HA 1-6800 (AREA CODE 312)

[www.americanradiohistory.com](http://www.americanradiohistory.com)



# Garrard Synchro-Lab Automatic Turntables



**WORLD-FAMOUS  
GARRARD PRECISION  
CRAFTSMANSHIP PLUS  
PERFECT SPEED**

## Performance-Proven Synchro-Lab Motor

Only Garrard combines the advantages of synchronous and induction-type motors to bring you the ideal combination of precision and power—the Synchro-Lab motor! You get constant and perfectly accurate turntable speed, regardless of variations in line voltage or number of records on the platter.

Shown on B-2 base



only 1¢ more  
Choice of Elliptical Cartridge



Empire  
888E  
Reg. \$39.95

Pickering  
V15/ATE-3  
Reg. \$39.95

Shure  
M93E  
Reg. \$39.95

only \$5 more  
Choice of Deluxe Elliptical



Empire  
888TE  
Reg. \$49.95

Pickering  
XV15/AME  
Reg. \$49.95

Shure  
M91E  
Reg. \$49.95

## Garrard Synchro-Lab Automatic Turntables—with Stereo Cartridge Sale

Garrard SL95 with  
Deluxe Empire 999VE  
Super-Elliptical  
Stereo Cartridge



only \$25 more

Save \$49.95. Connoisseur's choice! Empire's finest, Garrard's finest. 999VE with SL95 turntable, 13 lbs.  
13 C 0083 DU. 154.50  
999VE Cartridge Alone,  
13 C 3976 S. . . . 74.95

### A Superb SL95 3-Speed Turntable

With Elliptical Cartridge	With Deluxe Elliptical	SL95 Alone
\$129.51	\$134.50	\$129.50

Save \$89.94. Acclaimed by experts—finest Garrard ever! Boasts perfect-speed Synchro-Lab motor, adjustable counterweight, combined manual and cueing controls, stylus force dial, ultra-low mass pickup arm, gimballed needle pivots. Automatic or manual operation, 33 $\frac{1}{3}$ , 45, 78 rpm. Less base, 45-rpm auto. spindle. Choose Empire 888E, Pickering V15/ATE-3 or Shure M93E stereo elliptical cartridge—specify. Shpg. wt. 13 lbs.  
13 C 0081 CDU. \$7 Monthly . . . . . 129.51

SL95 Automatic Turntable with Deluxe Stereo Elliptical Cartridge for \$5 More. Save \$44.95. Empire 888TE, Pickering XV15/AME or Shure M91E—specify. Shpg. wt., 13 lbs.  
13 C 0082 CDU. \$7 Monthly . . . . . 134.50  
13 C 3061 U. SL95 Alone. 13 lbs. . . . . 129.50

### B Deluxe SL75 3-Speed Turntable

With Elliptical Cartridge	With Deluxe Elliptical	SL75 Alone
\$109.51	\$114.50	\$109.50

Save \$89.94. Deluxe three-speed automatic turntable boasts incredibly smooth, rumble-free operation. Features the Synchro-Lab motor for perfect speed, twin-braced aluminum arm, Auto-Rise safety record platform, cueing, interchangeable cartridge clip. Single-play spindle rotates with record. Less base, 45-rpm automatic spindle. Empire 888E, Pickering V15/ATE-3 or Shure M93E stereo elliptical cartridge—specify. 13 lbs.  
13 C 0084 CDU. \$6 Monthly . . . . . 109.51

SL75 Automatic Turntable with Deluxe Stereo Elliptical Cartridge for \$5 More. Save \$44.95. Empire 888TE, Pickering XV15/AME or Shure M91E—specify. Shpg. wt., 13 lbs.  
13 C 0085 CDU. \$6 Monthly . . . . . 114.50  
13 C 3062 U. SL75 Alone. 13 lbs. . . . . 109.50

SEE PAGES 56-59 FOR DETAILS ON THE COMPLETE LINE OF GARRARD TURNTABLES AND ACCESSORIES

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**NEW** **ALLIED**  
STEREO RECEIVER

**Finest Allied Receiver Ever!**  
**Magnificent 160-Watt Model 395**



Shown in wood case

**ALLIED 395 Solid-State Stereo FM-AM Receiver**

**\$299<sup>95</sup>**  
With Metal Case  
**\$15 monthly**

- Four Integrated Circuits in IF Stage for Superior Sensitivity and Outstanding Stereo Separation
- Field-Effect-Transistor in FM Front-End
- Automatic All-Electronic Stereo-Mono FM Switching

The finest Allied hi-fi receiver ever offered. Gives you the newest features for superb performance, at the lowest possible price. Field-Effect-Transistor front-end for perfect reception of even weak signals. Four integrated circuits in the IF stages for outstanding selectivity. Tremendous 160-watt power drives any speaker systems to magnificent stereo. Transformerless output for full-range response. Wideband AM performance, too.

Between-station muting lets you tune a desired station from a background of silence, not noise. Solid-state protection circuits for output transistors. Virtually shortproof plug-in speaker connectors. Illuminated D'Arsonval tuning meter, stereo indicator light, flywheel tuning. Tape Monitor switch combines Stereo/Individual-Channel Selector for added versatility.

Inputs for magnetic (two) or ceramic phono, tape deck, tape transport (equalization switch for 7½, 3¾ ips), and TV. Front-panel stereo headphone jack. AM, FM antennas. With metal case; optional wood case below. 5½x16x13¾". 110-120 V 50-60 Hz AC. Japan. Shpg. wt., 30 lbs. **299.95**  
14 C 5074 U. \$15 Monthly. . . . .  
14 C 5003 X. Oiled Walnut Wood Case. Shpg. wt., 6 lbs. . . . . **19.95**

**SPECIFICATIONS**

**AMPLIFIER CIRCUIT.** Power Output: 160 watts IHF at 4 ohms; 55 watts rms per channel at 4 ohms. Response: ±1.5 dB, 15-100,000 Hz. Harmonic Distortion: 1%. Hum and Noise: Magnetic Phono, -80 dB; Aux., -90 dB. Inputs: mag. (2), ceramic phono; tape head; tape monitor; aux. Outputs: 4-16 ohms, headphones, recorder. **TUNER CIRCUIT.** FM Section. IHF Sensitivity: 1.4µV. Harmonic Distortion: 0.8%. Separation: over 35 dB. Signal-to-Noise Ratio: 69 dB. Capture Ratio: 0.95 dB. AM Section. Sensitivity: 5 µV. **GENERAL Controls:** Power On/Off, Bass, Treble, Volume, Balance, Selector (AM, FM Mono, FM Auto, Phono, Tape Head, Aux), Speaker Selector (Main, Remote, Main and Remote, Off), Ch. Selector/Tape Monitor, Loudness, AFC, Tuning, High and Low Filters. **Semiconductors:** 71 plus 4 integrated circuits.

**CHECK THESE DELUXE QUALITY FEATURES**



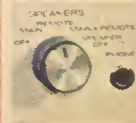
"Shortproof" Plug-in Speaker Connectors are Polarized, Have Neoprene Cover



Ultra-modern FM Tuner Circuit With FET and Integrated Circuits



Speaker Selector Switch and Front-Panel Stereo Headphone Jack





# Stereo Systems with **ALLIED** 160-Watt Receiver



Save \$175.30

**\$549<sup>95</sup>** \$23 monthly

## Our Finest 160-Watt Stereo FM-AM-Phono System

*Separately, \$725.25.* Superb components for unsurpassed stereo. Allied 395 160-Watt Solid-State Stereo FM-AM Receiver is the finest Allied receiver ever! Loaded with super-deluxe features. With metal case; optional wood case, right. Garrard SL95 3-Speed Automatic Turntable. Finest Garrard ever! Synchro-Lab motor for perfect speed. With Base and Pickering XV15/AME Deluxe Stereo Elliptical Cartridge. Two Allied 2370 3-Way 12" Acoustic-Suspension Speaker Systems. 12" woofer, midrange, tweeter. Walnut. Cables, hi-fi booklet. 14 C 0098 D5Z. Shpg. wt., 149 lbs. \$23 Monthly..... **549.95**

## Special **ALLIED** 395 Solid-State Stereo FM-AM-Phono Music System

- Delivers Tremendous 160-Watt Power Output
- Provides Complete Mastery of Every Source

*Separately, \$615.25.* Exciting selection of perfectly matched components provides exceptional performance, plus big savings. First-quality stereo system offers astonishingly true-to-life reproduction of records as well as full-fidelity stereo FM and brilliant, clear AM reception.

**New Allied 395 160-Watt Solid-State Stereo FM-AM Receiver.** Boasts sensitive FET front-end. Four IC's in 1F stage for outstanding selectivity. Transformerless output assures full-range response, wideband AM performance too. Full array of controls and inputs for mastery of every music source. With metal case; optional walnut wood case below.

**Garrard SL75 3-Speed Automatic Turntable.** Features Synchro-Lab motor for perfect speed. Anti-skating control, stylus force assembly, combined speed and record size selector, combined manual and cueing controls. Automatic or manual operation. With Base and Shure M91E Stereo Elliptical Cartridge. Diamond stylus. Light tracking.

**Two Allied 2330A 3-Way Speaker Systems.** 12" cloth-roll suspension woofer, 8" cone-type midrange, 3 1/2" cone tweeter. Response, 30-18,000 Hz. Oiled walnut finish. With cables, hi-fi booklet. Wt., 129 lbs.  
14 C 0095 D5Z. \$20 Monthly..... **459.95**  
14 C 5003 X. Oiled Walnut Case. 6 lbs. 19.95



Save \$165.30

**\$499<sup>95</sup>** \$21 monthly

## Deluxe New 160-Watt Stereo FM-AM-Phono System

*Separately, \$665.25.* This system will delight even the most critical listener. Allied 395 160-Watt Solid-State Stereo FM-AM Receiver pours out 300-watt peak power for spectacular stereo. With metal case; optional wood case, right. Garrard SL75 3-Speed Automatic Turntable. Synchro-Lab motor, low-mass pickup arm, adjustable counterweight. With Base and Empire B88TE Deluxe Stereo Elliptical Cartridge. Two Allied 2300C 3-Way 12" Speaker Systems. Woofer, midrange horn, compression tweeter. Walnut. Cables, hi-fi booklet. 14 C 0097 D5Z. Shpg. wt., 147 lbs. \$21 Monthly..... **499.95**

## Value-Priced **ALLIED** 395 160-Watt Stereo FM-AM-Phono Music System

- Tape Recording and Monitoring Facilities
- Matched Components for Finest Performance

*Separately, \$544.25.* Money-saving system delivers full-fidelity stereo from any source. Offers breathtaking stereo FM realism as well as crystal-clear mono FM and AM. Reproduces your favorite records with such true-to-life clarity you'll think you're hearing a live performance.

**New Allied 395 160-Watt Solid-State Stereo FM-AM Receiver.** Includes full tape recording and monitoring facilities. Output transistor protection circuit. Shortproof plug-in speaker connectors. Illuminated tuning meter, stereo indicator light. Slide-rule dial with smooth flywheel tuning. With metal case; optional walnut case below.

**Garrard SL65 4-Speed Automatic Turntable.** Boasts perfect-speed Synchro-Lab motor. Cueing and pause control. Stylus pressure adjustment. Anti-skate compensation. Dynamically-balanced tubular low-mass pickup arm. Automatic or manual operation. Two spindles. Automatic intermix. Oversized platter. With Base and Pickering V15/ACE-3 Stereo Elliptical Cartridge. Diamond stylus.

**Two Allied 3030B 3-Way Speaker Systems.** 12" woofer, 6" midrange, 3 1/2" tweeter. Response, 35-17,000 Hz. Oiled walnut finish. With cables, hi-fi booklet. Wt., 104 lbs.  
14 C 0096 D5Z. \$18 Monthly..... **399.95**  
14 C 5003 X. Oiled Walnut Case. 6 lbs. 19.95





walnut case

Save \$155.30 \$459<sup>95</sup>  
\$20 monthly



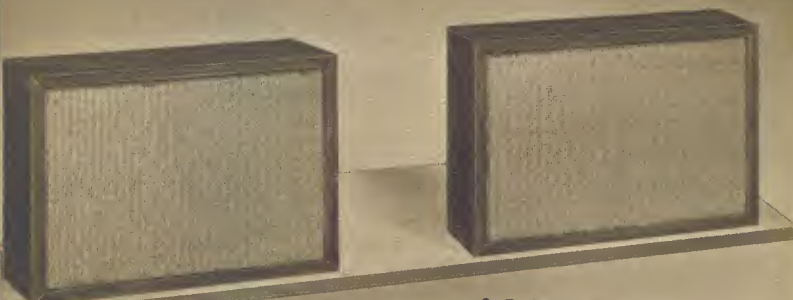
Shown in walnut case

Save  
\$144.30  
\$399<sup>95</sup>  
\$18 monthly

Allied Systems Are Ready To Play—Complete with All Cables, Hi-Fi Record



# ALLIED® 395 160-Watt Stereo Music Systems



Save \$148.85 \$429.95 \$19 monthly

Shown in walnut case



## Feature-Packed Stereo FM-AM-Phono System

- Tremendous 160-Watt Output
- Garrard Automatic Turntable
- Three-Way 12" Speaker Systems

Separately, \$578.80. This choice selection of components assures exceptional stereo realism. Allied 395 160-Watt Solid-State Stereo FM-AM Receiver. Loaded with finest features for superlative performance. Controls and inputs for every music source. With metal case; optional wood case below.

Garrard SL65 4-Speed Automatic Turntable. Synchro-Lab motor. Cuing, stylus pressure adjustment, two spindles. With Base and Shure M44E Sterea Elliptical Cartridge.

Two Allied 2260A Assembled 3-Way Speaker Systems. 12" woofer, 8" midrange, compression tweeter. Oiled walnut finish. With cables, hi-fi booklet, 126 lbs. 14 C 0114 D5Z. \$19 Mo. ... 429.95 14 C 5003 X. Waad Case. 6 lbs. 19.95



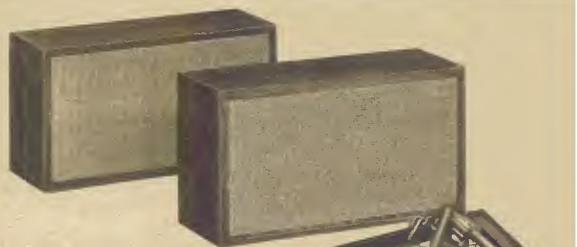
Save \$134.30 \$399.95 \$18 monthly



Shown in walnut case

## Special-Value Stereo FM-AM-Phono System

Separately, \$534.25. Selected components featuring the Allied 395 160-Watt Solid-State Stereo FM-AM Receiver. FET front-end, transformerless output. With metal case; optional walnut case above. Garrard SL55 4-Speed Automatic Turntable. Synchro-Lab motor, low-mass arm, cuing. With Base and Empire 888E Stereo Elliptical Cartridge. Two Allied 3030B 3-Way Speaker Systems. 12" woofer, 6" midrange, 3 1/2" tweeter. Walnut. With cables, hi-fi booklet 14 C 0100 D5Z. Shpg. wt., 102 lbs. \$18 Monthly. ... 399.95



Save \$118.85 \$359.95 \$17 monthly



## Value-Priced Stereo FM-AM-Phono System

Separately, \$478.80. Excellent system includes Allied 395 160-Watt Solid-State Stereo FM-AM Receiver. Tremendous power plus astonishing tonal purity. With metal case; optional wood case above. Garrard SL55 4-Speed Automatic Turntable. Anti-skating compensation, stylus pressure adjustment. With Base and Shure M44E Sterea Elliptical Cartridge. Two 3005A Allied 3-Way Speaker Systems. 10" woofer, 6" midrange, 3 1/2" tweeter. Walnut. With cables. 14 C 0099 D5U. Shpg. wt., 87 lbs. \$17 Monthly. ... 359.95



# ALLIED Stereo FM-AM-Phono-Tape Systems

Connoisseur's Choice Stereo  
FM-AM-Phono-Tape System

Save **\$649.95**  
\$170.30 \$27 monthly

Separately, \$820.25. Spectacular value! Finest components for every source of stereo—FM, records, and tape! Magnificent new Allied 395 160-Watt Solid-State Stereo FM-AM Receiver is the heart of this super-system. Provides power to spare for true-to-life stereo FM and sharp, clear mono FM and AM. With metal case; optional wood walnut case below.

Deluxe Allied TD-1030 3-Speed Stereo Tape Deck. Records and plays 4-track stereo and mono. Tape lifters protect parabolic heads. Two level meters, digital counter, automatic shutoff. Built-in stereo headphone amplifier. Vertical or horizontal operation. With walnut-veneer wood case, 7" takeup reel.

Superb Garrard SL95 3-Speed Automatic Turntable. Garrard's finest! Synchro-Lab motor, ultra-low-mass wood arm, cueing, anti-skating control, stylus force dial, full 12" platter, rotating single play spindle. Automatic or manual operation. With Base and Deluxe Empire 888TE Super-Elliptical Stereo Cartridge.

Two Allied 2300C 3-Way Acoustic-Suspension Speaker Systems. High-compliance 12" woofer; compression midrange with diffraction horn; compression tweeter, ring radiator. Oiled walnut. With cables, hi-fi booklet. Shpg. wt., 175 lbs.

14 C 0115 D6Z. \$27 Monthly. . . . 649.95  
14 C 5003 X. Walnut Case. 6 lbs. . . . 19.95

Specially-Selected Stereo  
FM-AM-Phono-Tape System

Save **\$539.95**  
\$138.85 \$23 monthly

Separately, \$678.80. Exceptional power, performance and versatility are yours to command with this deluxe component system. New Allied 395 160-Watt Solid-State Stereo FM-AM Receiver has full tape recording and monitoring facilities. Equalization switch for 7½ and 3¾ ips. With metal case; optional wood case above.

Deluxe Allied TD-1030 3-Speed Stereo Tape Deck. Capacitor-start motor for smooth, powerful performance. Fold-down panel conceals recording controls and mike inputs. Single-knob function control with instant stop. With walnut-veneer wood base, 7" takeup reel.

Garrard SL65 4-Speed Automatic Turntable. Synchro-Lab motor; cueing; tubular, dynamically-balanced pickup arm; automatic intermix. Two spindles; automatic or manual operation. With Base and Shure M32E Stereo Elliptical Cartridge.

Two Allied 3030B 3-Way Speaker Systems. 12" woofer, 6" midrange, 3½" tweeter. Oiled walnut. With all cables, hi-fi booklet. Shpg. wt., 132 lbs.  
14 C 0116 D6Z. \$23 Monthly. . . . 539.95



Quality Matched Components  
for Top Performance  
from Every Stereo Source

Shown in  
walnut case

Order the Stereo System You Want Now—Use Your Allied Credit Fund

ALLIED 11



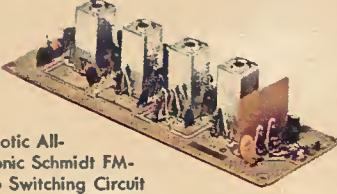
# New 80-Watt Stereo FM-AM Receiver



### CHECK THESE DELUXE QUALITY FEATURES



"Shortproof" Plug-In Speaker Connectors with Neoprene Cover



Automatic All-Electronic Schmidt FM-Stereo Switching Circuit



Integrated Circuits plus FET Front-End

## ALLIED 380 Solid-State 80-Watt Stereo FM-AM Receiver

**\$249<sup>95</sup>**  
With Metal Case  
**\$13 monthly**

- Advanced Circuit Includes Four Integrated Circuits
- Field-Effect-Transistors in Extra-Sensitive Front-End
- Transformerless Output for Wide Frequency Response
- Complete Control and Input Facilities for Every Source

Deluxe in every detail, the new Allied 380 offers performance, features and styling to make it a tremendous value. Delivers 160 peak watts of power for stereo sound of extraordinary realism and beauty. 61-semiconductor circuit includes newest design features. Four integrated circuits in super-selective IF stage. Field-Effect-Transistors in front-end assure the sensitivity and stability needed for optimum tuning under all conditions.

FM circuit has Schmidt all-electronic automatic stereo-mono switching. Preamp offers facilities for all sources including tape monitor, and input for tape transport equalized at both 7½ and 3¾ ips speeds. Signal-strength meter and stereo indicator light for accurate tuning. AFC locks in FM signals to prevent drift. Loudness control for full response even at low volume levels. Dual-concentric bass and treble controls let you tailor sound to your taste. Front-panel stereo headphone jack. High-frequency filter.

Ferrite AM antenna, FM dipole. Two AC convenience outlets. Fused output protection. Has shortproof polarized speaker connectors. Speaker switch selects main, remote, both or off. With metal case. Optional wood case below. 5x16x12". For 115 V, 50-60 Hz AC. From Japan.

14 C 5076 U. Shpg. wt., 28 lbs. \$13 Monthly. **249.95**  
14 C 5003 X. Oiled Walnut Wood Case. Shpg. wt., 6 lbs. **19.95**

### SPECIFICATIONS

**AMPLIFIER CIRCUIT.** Power Output: 80 watts IHF at 4 ohms; 32 watts rms/channel at 4 ohms. Response: ±3 dB, 20-70,000 Hz. Harmonic Distortion: approximately 1%. Hum and Noise: Magnetic Phono, -63 dB; Aux., -78 dB. Input Sensitivity: Mag. Phono, 3.5 mV; Ceramic/Crystal Phono, 60 mV. Aux., 220 mV; Tape Monitor, 220 mV; Tape Head, 3.5 mV. Outputs: 4-16 ohms, headphones, recorder. **TUNER CIRCUIT.** FM: IHF Sensitivity: 1.8 µV. Separation: better than 35 dB. Capture Ratio: 3.5 dB. Signal-to-Noise Ratio: better than 56 dB. AM: Sensitivity: 14 µV for 10 dB S/N ratio.



**ALLIED**

## Stereo FM-AM Phono Systems with 380 Receiver

**Deluxe 80-Watt Stereo  
FM-AM-Phono System**

Save **\$499<sup>95</sup>** \$21  
**\$145.30** monthly  
With Metal Receiver Case

Separately, \$645.25. Exceptional value in a complete stereo system featuring the new Allied 380 80-Watt Solid-State Stereo FM-AM Receiver. Full control of every program source. True-to-life stereo FM. 160 watts peak output power. With metal case; optional walnut case on facing page.

Deluxe Garrard SL75 Automatic Turntable. Synchro-Lab motor provides perfect 33 $\frac{1}{3}$ , 45 and 78 rpm speeds. Cuing, low-mass arm, automatic or manual operation. With base and Empire 888E stereo elliptical cartridge with diamond stylus.

Two new Allied 2370 3-Way 12" Walnut Shelf Speaker Systems. 12" acoustic-suspension woofer, compression-tube midrange with rectangular diffraction horn, high-frequency compression tweeter. With cables, instructions. Shpg. wt., 147 lbs.  
14 C 0090 D5Z. \$21 Monthly. .499.95

**Value-Priced 80-Watt Stereo  
FM-AM-Phono System**

Save **\$449<sup>95</sup>** \$20  
**\$118.85** monthly  
With Metal Receiver Case

Separately, \$568.80. Excellent system of quality components featuring Allied 380 80-Watt Solid-State Stereo FM-AM Receiver. Delivers superior stereo FM plus brilliant AM. Four IC's; FET front end. Tape monitoring facilities. With metal case; optional walnut case on facing page.

Garrard SL65 Automatic Turntable. Has Synchro-Lab motor for perfect speed. Four-speed automatic or manual operation. Cuing, automatic intermix, oversized turntable. With base and Shure M91E stereo elliptical cartridge with diamond stylus.

Two Allied 2300C 3-Way 12" Walnut Shelf Speaker Systems. 12" acoustic-suspension woofer, compression mid-range driver, compression tweeter. With cables, hi-fi booklet, instructions. Shpg. wt., 144 lbs.  
14 C 0091 D5Z. \$20 Monthly. .449.95



Shown in walnut case



Shown in walnut case

Systems Are Ready to Play—Complete with Cables, Plugs, Hi-Fi Booklet

ALLIED 13





Save **\$114.30** Receiver Includes Metal Case **\$399<sup>95</sup>** \$18 monthly

**ALLIED 80-Watt Stereo FM-AM-Phono System**

- Allied 380 Receiver with Integrated Circuits and FET's
- Schmidt All-Electronic Automatic Stereo-Mono Switching
- Garrard SL65 Automatic Turntable with Synchro-Lab Motor
- Decaratar-Styled 3-Way 12" Walnut Shelf Speaker Systems

Components Separately, \$514.25. A superb system of performance-matched components. Features the New Allied 380 80-Watt Solid-State Sterea FM-AM Receiver. Boasts four integrated circuits in IF stage, sensitive FET front-end, Schmidt all-electronic automatic stereo-mono switching. With metal case; optional wood case below. Garrard SL65 4-Speed Automatic Turntable. Perfect-speed Synchro-Lab motor, full-size turntable platter, cueing. Plays stack automatically or single records manually. With Base and Pickering V15/ACE-3 Stereo Elliptical Cartridge. Two Allied 2330A 3-Way Shelf Speaker Systems. Cloth-roll suspension 12" woofer, 8" cone-type midrange, 3 1/2" cone-type tweeter. Assembled and finished in oiled walnut. With all cables and hi-fi booklet. 14 C 0083 D5Z. 110 lbs. \$18 Monthly.....399.95 14 C 5003 X. Oiled Walnut Wood Case. 6 lbs..... 19.95

**A Selected 80-Watt Solid-State Stereo FM-AM-Phono System**

Separately, \$478.80. Enjoy the thrilling sound of true-to-life stereo realism with this excellent component system. Allied 380 80-Watt Solid-State Stereo FM-AM Receiver delivers 160-watt peak power output. Transformerless output assures extra-wide frequency response. With metal case; optional wood case below.

Garrard SL55 4-Speed Automatic Turntable features the famous Synchro-Lab motor for perfectly constant speed. With Base and Shure M32E Stereo Elliptical Cartridge.

Two Allied 30308 3-Way Speaker Systems. High-compliance 12" woofer, 6" midrange, 3 1/2" tweeter. Oiled walnut finish. With cables, hi-fi booklet. 100 lbs. 14 C 0093 D5Z. \$17 Monthly.....359.95 14 C 5003 X. Walnut Case. 6 lbs..... 19.95

**B Value-Priced 80-Watt Stereo FM-AM-Phono System**

Separately, \$424.25. Excellent system features fine quality components at a moderate price. Allied 380 80-Watt Solid-State Sterea FM-AM Receiver has Schmidt all-electronic automatic stereo-mono switching, AFC, stereo indicator light. With metal case; wood above.

Garrard SL55 4-Speed Automatic Turntable. Synchro-Lab motor, cueing, counterbalanced low-mass pickup arm. With Base and Empire 808E Stereo Elliptical Cartridge.

Two Allied 3005A 3-Way Shelf Speaker Systems. 10" woofer, 6" midrange, 3 1/2" tweeter. Oiled walnut finish. With cables and hi-fi booklet. 85 lbs. 14 C 0094 D5U. \$16 Monthly.....329.95

**C Ultra-Deluxe 80-Watt Stereo FM-AM-Phono System**

Separately, \$635.25. Specially-selected top-quality components are certain to satisfy even the most critical listener. Allied 380 80-Watt Solid-State Stereo FM-AM Receiver offers facilities for all sources. Tape monitor. With metal case; optional walnut wood above.

Garrard SL95 Automatic Turntable. Synchro-Lab motor for perfect 33 1/3, 45 and 78 rpm speeds. Every deluxe feature. Automatic or manual operation. With Base and Shure M91E Stereo Elliptical Cartridge.

Two Allied 2300C 3-Way Acoustic-Suspension Speaker Systems. 12" woofer, compression-type midrange and tweeter. Cables, hi-fi booklet. 145 lbs. 14 C 0084 D5Z. \$21 Monthly.....499.95

**D Feature-Packed 80-Watt Stereo FM-AM-Phono System**

Separately, \$575.25. Superb quality system offers exceptional performance. Allied 380 80-Watt Solid-State Stereo FM-AM Receiver has dual-concentric bass and treble controls, loudness control, fused output protection. Metal case; wood above.

Garrard SL75 3-Speed Automatic Turntable. Synchro-Lab motor, adjustable counterweight, stylus adjustment. With Base and Empire 888TE Sterea Elliptical Cartridge.

Two Allied 2260A 3-Way Speaker Systems. High-compliance 12" woofer, 8" closed-back midrange, horn-loaded tweeter. Cables, hi-fi booklet. 127 lbs. 14 C 0092 D5Z. \$20 Monthly.....449.95



# Save! ALLIED® 380 80-Watt Stereo Systems



Receiver shown in walnut case



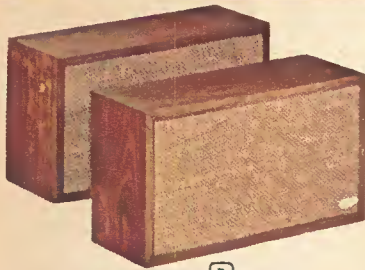
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**\$359<sup>95</sup>**

Save \$113.85

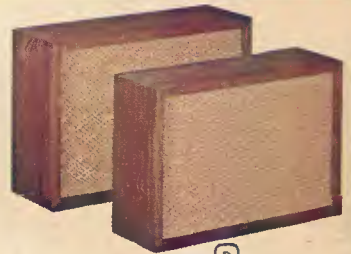
\$17 monthly



B



C



D



Receivers shown in optional walnut case

Value-Priced 80-Watt System

Save **\$329<sup>95</sup>**  
\$94.30 \$16 monthly

Ultra-Deluxe 80-Watt System

Save **\$499<sup>95</sup>**  
\$135.30 \$21 monthly

Feature-Packed 80-Watt System

Save **\$449<sup>95</sup>**  
\$125.30 \$20 monthly

For Complete Specifications on ALLIED 380 Receiver, See Page 12

ALLIED 15



# ALLIED 355 Stereo FM-AM Receiver, Systems

CHECK THESE DELUXE  
QUALITY FEATURES



"Shartproof" Plug-in  
Speaker Connectors  
are Polarized, Have  
Neoprene Covers



Fully Automatic  
All-Electronic  
Schmidt FM-Stereo  
Switching Circuit

5-Transistor Circuit  
Protects Output  
Transistors Against  
Damage Caused  
by Accidental  
Shorts or Opens

## ALLIED 355 Solid-State 45-Watt Stereo FM-AM Receiver

With Metal Case

**\$179<sup>95</sup>** monthly

- Transformerless Output for Wide Response
- 90-Watt Peak Power
- 2  $\mu$ V FM Sensitivity
- Precision Tuning Meter
- Tape Monitor Facilities
- 59 Semiconductors
- Modern Rocker Switches

The Allied 355 offers exciting features, superb stereo FM-AM performance, and decorator styling at a budget-pleasing price. Delivers 90 watts peak power output for breathtaking stereo FM. Fine AM reception too. Up-to-date solid-state circuit is loaded with deluxe features, including automatic all-electronic Schmidt FM stereo/mono switching, facilities for tape monitoring, switchable AFC, five-transistor protection circuit for output transistors, plus direct-coupled transformerless output for wide power bandwidth.

Sensitive front-end has multi-ganged tuning capacitor with independent oscillator circuit, mixing circuit for sensitive, stable, drift-free FM reception. IF strip has two noise limiters for clear reception, free of distortion and noise. Smooth flywheel dial plus illuminated signal-strength meter and stereo indicator light help pinpoint stations for perfect tuning.

Positive-action rocker switches. Shortproof polarized plug-in speaker connectors with barrier-type construction. Outputs: 4-16 ohm speakers; front-panel stereo headphone jack; tape recorder. Inputs: magnetic phono, auxiliary, tape monitor. Easy to custom mount if desired. With metal case; optional walnut case below. 5x16x12". For 110-120 volts, 50-60 Hz AC. Japan. Shpg. wt., 27 lbs.

14 C 5071 U. \$9 Monthly ..... 179.95  
14 C 5003 X. Oiled Walnut Wood Case. Shpg. wt., 6 lbs. .... 19.95

### SPECIFICATIONS

**AMPLIFIER CIRCUIT.** Power Output: 45 watts, IHF, 90 watts peak; 17.6 watts/ch. rms at 4 ohms. Response:  $\pm 1$  dB, 20-30,000 Hz. Harmonic Distortion: 1%. Hum and Noise: Magnetic Phono, -60 dB; Aux., -70 dB. Input Sensitivity: Mag. Phono, 2.5 mV; Aux., 190 mV; Tape Monitor, 200 mV. **TUNER CIRCUIT, FM Section.** Sensitivity: 2.0  $\mu$ V for 20 dB quieting; 3.0  $\mu$ V IHF. Harmonic Distortion: 0.8%. Selectivity: 45 dB. Separation: 35 dB at 1000 Hz; 40 dB at 400 Hz. Signal to Noise: 60 dB at 100% modulation. Capture Ratio: 2.7 dB. IF Stages: 3 dual-tuned. AM Section. Sensitivity: 10  $\mu$ V.

## Stereo FM-AM-Phono Systems Featuring the ALLIED 355

**A Value-Priced 45-Watt  
Stereo FM-AM-Phono System**

**B Deluxe Quality 45-Watt  
Stereo FM-AM-Phono System**

Save **\$104.30** With Metal Case **\$399<sup>95</sup>** \$18 monthly

Save **\$125.30** With Metal Case **\$459<sup>95</sup>** \$20 monthly

- Solid-State Stereo FM-AM Receiver
- "Synchro-Lab" Automatic Turntable
- Allied 12" 3-Way Speaker Systems

- Full-Feature Stereo FM-AM Receiver
- Superb Garrard Automatic Turntable
- Acoustic-Suspension Speaker Systems

Components Separately Are \$504.25. An outstanding value in selected components at substantial savings. Allied 355 45-Watt Solid-State Stereo FM-AM Receiver develops 45 watts of power for thrilling stereo realism. Full array of controls and inputs. Metal case. Optional walnut case, above.

Garrard SL65 4-Speed Automatic Turntable boasts "Synchro-Lab" motor for perfect speed. Cuing, adjustable anti-skate, automatic intermix. With base and Empire 888E Stereo Cartridge with Elliptical Diamond Stylus for light tracking and wide response.

Two Allied 2300C 3-Way 12" Walnut Speaker Systems. 12" woofer, horn-type midrange and compression tweeter. With cables, hi-fi booklet. Shpg. wt., 146 lbs.  
14 C 0088 D5Z. \$18 Monthly. .399.95

Components Separately Are \$585.25. Consists of specially-selected components to provide exceptional tonal purity and true-to-life performance. Allied 355 45-Watt Solid-State Stereo FM-AM Receiver gives you complete command over every program source. Metal case. Order walnut case, above.

Garrard SL75 Automatic Turntable plays automatically or manually at 33 $\frac{1}{3}$ , 45, and 78 rpm. "Synchro-Lab" motor, cuing, anti-skating, much more. With base and Pickering XV15AME Stereo Cartridge with Elliptical Diamond Stylus.

New Allied 2370 3-Way 12" Walnut Acoustic-Suspension Speaker Systems. Our finest shelf speaker systems. 12" woofer, midrange and tweeter offer magnificent reproduction. With cables, hi-fi booklet. Wt., 148 lbs  
14 C 0089 D5Z. \$20 Monthly. 459.95



**ALLIED**

**355 Solid-State  
45-Watt Stereo  
FM-AM Receiver**



Shown in walnut case





# Component stereo hi-fi..why it's your best buy in good music

## THESE ARE THE IMPORTANT FACTS YOU SHOULD KNOW

### Component Hi-Fi Is Better

What makes component Hi-Fi so desirable and popular? The answer is very simple. It sounds much better. It costs less. It is easier to use. And you buy only what you need now, and you can add to it or update it any time.

### What Is Component Hi-Fi?

An ordinary radio-phonograph is made up of a number of units, wired together in a cabinet. There is an amplifier and tuner, record turntable and speakers. In a component radio-phonograph system you also have these individual items . . . but they are the same in name only, because they are of far superior quality and they are made so that you can place them wherever you want—on shelves, room divider, wall cabinets, hookcases. Together, they make far better music.

### Components Sound Better

The individual units for a component system are made to give you the best sound reproduction possible, not to make up a furniture piece or to fit into a portable carrying case. The idea of hi-fi is to reproduce music—clear, brilliant, lifelike—as close as possible to the original performance. The makers of hi-fi components are specialists who use high design skills and precision manufacturing to cater to those to whom the quality of sound is the primary consideration. You'll be able to hear the difference, easily.

### Components Cost Less, Too!

You don't pay for elaborate furniture. Each component is handsome enough to take its place in any home without additional expensive cabinetry. Part of what you save goes into superior equipment. Of course, you can install your components in furniture-type cabinets. Even then, although the cost will be more, you get finer performance and much more pleasure from your investment.

## EASY-TO-USE HI-FI COMPONENTS



**Receiver**—A combination amplifier and FM (or FM-AM) tuner. Some people prefer the combination; others prefer separate units.



**Amplifier**—This is the component that supplies the amplified sound power to the speakers.



**Tuner**—For those who have an amplifier, rather than a receiver. Receives FM or AM and plays through the amplifier and speakers.



**Record Turntable**—Automatic or manual models. Automatic models play a stack of records.



**Tape Deck**—Lets you record broadcasts, copy records, make recordings of home entertainment, and play them through your system.



**Speakers**—Available in a great variety of sizes, shapes, prices. Important: Get the best speakers your budget will permit.

### Components Are Easier to Use

You put components where they sound best and are most convenient to use. The receiver and record turntable may go at the end of your room, perhaps near a favorite chair. The speakers can be placed on any wall, or on a shelf, wherever they give best sound, and spaced for best stereo effect. This is not possible with ordinary consoles. If you wish you can put extension speakers in any room, even outside.

### Just Plug Together and Play—It's Easy

If you have a receiver, turntable and speakers, put the receiver, together with the turntable, in a convenient place. Place the speakers wherever you want them. Use the cables provided to plug the turntable into the receiver and to connect the speakers. That's all there is to it.

### Buy Only What You Need

You can get an amplifier, turntable, and speakers now and start out with a record playing system. Later, add a tuner for FM or FM-AM and a deck for playing tape. It's easy to replace individual units at any time, or add additional components without buying a whole new system. If you wish, you can start out with a receiver, rather than an amplifier, then you will not require the tuner.

### It's Easy to Select a System

Allied's audio experts have made up a number of quality systems based on their experience. These systems are on pages 8-11, 13-17, 21, 23, 38-41, 43, 44, 49, 468-471. Our system prices give you substantial savings from the cost of components purchased separately. If you prefer to make up your own selection, write to our Audio Division (a request card is included in this catalog), and we will send you our price quotation on the system of your choice.



# Here's why people everywhere buy component Hi-Fi by mail from **ALLIED**

## World's Largest Selection of Hi-Fi Equipment

Only the facilities of the world's largest electronics supply house can satisfy all the needs of hi-fi enthusiasts. As the world's largest supplier of electronics, Allied can afford to stock thousands of items not available elsewhere. In addition, many products are specially designed and built to our specifications, and offered exclusively by Allied.

## Leader in the Field for 48 Years

We have always been the first to offer the latest developments in electronics, as you will see when you go through the pages of this catalog. For 48 years, Allied has grown with the leading manufacturers in hi-fi—unbeatable selections from every famous brand are included here.

## Count Your Savings at Allied

Whatever you choose—a single component, an Allied expert-selected system, or a system of your own selection—you always get the lowest prices at Allied. Check Allied prices and compare. Look for the special values—available only when you shop in the Allied Catalog.

## System Savings

Allied offers you a wide choice of stereo music systems priced for every budget. These systems offer substantial savings off prices of single components purchased separately.

## Satisfaction Guaranteed

You must be satisfied with any music system or component you buy from Allied. If for any reason you are not satisfied with your purchase, return it to us within 30 days in the original factory carton, and we will exchange it or return your money (less transportation charges). Merchandise returned must not have been abused or altered. This policy does not apply to kits. See page 450 for special kit guarantees.



## We Quality-Test What We Sell

Only Allied has a continuous program of quality-testing to assure you that everything you buy meets the highest standards. Our Quality Control Department subjects every model to the most rigid and exacting tests. Only after components measure up to our high standards are they offered to you.

## Free Allied System Extras

Every Allied stereo hi-fi system includes important extras. All necessary audio cables and connectors are included, plus two 15-ft. speaker cables. The phono cartridge is installed. You get a copy of the Allied Music System Instruction Booklet to help you get the best performance and fullest enjoyment from your stereo system. Manufacturer's instructions also are included.

## Expert Personal Service

If you have any questions, drop us a card. Your inquiries and orders are intelligently handled by specialists who take a genuine interest in your needs. You can always depend on Allied for friendly service and expert help.

## Enjoy "Easy-Chair" Shopping

Shopping's easy at Allied. More accurate, too! You always know exactly what you get. And what a choice! A selection of merchandise so vast that no store could ever assemble and stock it all.

## No Money Down—Up to Two Years to Pay

It's easy to be a credit customer at Allied. See Page 446 for complete information.

No Money Down . . . Up to Two Years to Pay at Allied

ALLIED 19



**New Model 335  
32-Watt Stereo  
FM-AM Receiver**



Shown in walnut case

**CHECK THESE  
DELUXE-QUALITY  
FEATURES**



**Field-Effect Transistor Front-End Provides Super-Stability plus High Sensitivity for Tap Performance**



**Main/Remote Speaker Switch Lets You Select Either One of Two Sets of Stereo Speakers**



**Plug-in, Polarized Speaker Connectors With Neoprene Covers Offer Protection from Short Circuits**

**New ALLIED 335 Solid-State Stereo FM-AM Receiver**

**\$149<sup>95</sup>**  
With Metal Case  
**\$8 monthly**

- 64 Watts of Peak Stere Power Output, 32 Watts IHF
- 58-Semiconductor Circuit • Sensitive FET Front End
- Automatic Stereo FM Switching • Flywheel Tuning
- Controls and Inputs for Every Music Source

Exciting all-new Allied 335 Receiver offers deluxe features, first-class styling, and fine performance, to make it an outstanding hi-fi value. Advanced circuit includes Field-Effect-Transistor front-end for super-stability and sensitivity. Transformerless output delivers 64 watts peak power for thrilling stereo FM, and superior AM. Full array of controls and inputs gives you total control of every program source—lets you tailor sound to your taste.

Automatic FM stereo/mono switching. Stereo indicator light and tuning meter let you pinpoint stations for best signal. Slide-rule dial with smooth flywheel tuning. AFC snaps in FM stations, banishes drift. Tape recording inputs, outputs and monitor. Loudness control provides full-range response even at low volume levels. Dual-concentric volume-balance control. Ganged bass and treble controls. Front-panel stereo headphone jack. Main/remote speaker switch.

Polarized, shortproof plug-in speaker connectors. Fused output protection. Two AC convenience sockets on rear, one switched. Ferrite AM, FM dipole antenna. With metal case; optional walnut case below. For 110-120 volts, 50-60 Hz AC. Size, 5x16x12 1/2". From Japan. Sbgp. wt., 26 lbs.

14 C 5077 U. \$8 Monthly..... 149.95  
14 C 5003 X. Oiled Walnut Wood Case. Shgp. wt., 6 lbs..... 19.95

**SPECIFICATIONS**

**AMPLIFIER CIRCUIT.** Power Output: 32 watts IHF, 11 watts/cb. rms at 4 ohms. Response: ±3 dB, 20-40,000 Hz. Harmonic Distortion: 1% at rated power. IM Distortion: 0.22%. Hum and Noise: Mag. Pbono, -65 dB; Aux., -65 dB. Outputs: 4-16 ohms, headphones, recorder. Input Sensitivity: Mag. Phono, 4.0 mV; Aux., 170 mV; Tape Monitor, 250 mV. **TUNER CIRCUIT.** FM: IHF Sensitivity: 2.5 µV. Selectivity: 20 dB. Separation: Better than 30 dB. Capture Ratio: 7.0 dB. Signal-to-Noise: 65 dB. AM: Sensitivity: 8 µV. **CONTROLS:** Selector (AM, FM Mono, FM Stereo, Phono, Aux.), Ganged Bass and Treble, Dual-Concentric Volume, Main/Remote Speaker Switch, On-off, Stereo-Mono.

*Allied's Own Solid-State Stereo Components Save You Money*



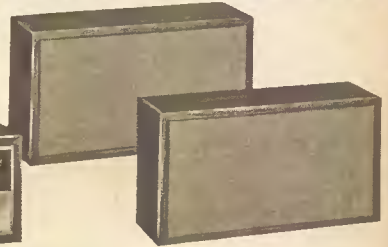


Shown in walnut case

**B Special-Value Music System**



Shown in walnut case

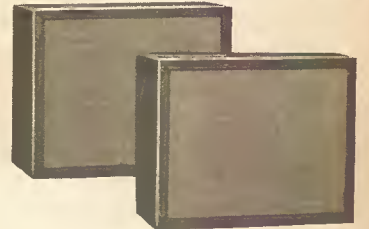


**A Deluxe Quality 32-Watt Stereo FM-AM-Phono System**

Save  
\$93.85  
**\$299<sup>95</sup>**  
\$15 monthly

*Components Separately, \$393.80.* Outstanding selection of quality components for flawless reproduction of any music source. Allied 335 32-Watt Solid-State Sterea FM-AM Receiver provides wide-range stereo FM, crystal-clear AM. With metal case (optional walnut wood case, facing page). Precision Garrard SL65 4-Speed Automatic Turntable with Base and Shure M32E Sterea Cartridge. Synchro-Lab motor, cuing, much more. Two Allied 3030B Three-Way 12" Walnut Assembled Speaker Systems. 12" woofer, 6" midrange, 3½" tweeter. Cables, hi-fi booklet. 100 lbs.  
14 C 0081 D5Z. \$15 Monthly. . . . . 299.95

**C Budget-Priced Music System**



**B Special-Value 32-Watt Stereo FM-AM-Phono System**

Save  
\$74.30  
**\$249<sup>95</sup>**  
\$13 monthly

*Components Separately, \$324.25.* Great value in a quality stereo system at a savings. Allied 335 32-Watt Solid-State Sterea FM-AM Receiver delivers 64 watts of peak output power for breathtaking stereo realism. With metal case (optional walnut, facing page). Garrard SL55 4-Speed Automatic Turntable with Base and Pickering V15/ACE-3 Sterea Cartridge. Synchro-Lab motor for constantly perfect speed. Twa Allied 3005A Three-Way 10" Walnut Speaker Systems. 10" woofer, 6" midrange, 3½" tweeter. With cables and hi-fi booklet. Shpg. wt., 83 lbs.  
14 C 0082 D5U. \$13 Monthly. . . . . 249.95



**C Budget-Priced 32-Watt Stereo FM-AM-Phono System**

Save  
\$54.30  
**\$219<sup>95</sup>**  
\$11 monthly

*Components Separately \$274.25* Enjoy excellent stereo at surprisingly low cost. Allied 335 32-Watt Solid-State Sterea FM-AM Receiver offers full-feature stereo versatility—controls and inputs for every source. With metal case (optional walnut, facing page). Garrard 40 MK II 4-Speed Automatic Turntable with Base and Empire 888 Sterea Cartridge. Silent 4-pole motor. 2 spindles. Twa Allied 3002 2-Way 8" Walnut Speaker Systems. 8" woofer, 3½" tweeter. With cables, hi-fi booklet. Shpg. wt., 75 lbs.  
14 C 0080 D5U. \$11 Monthly. . . . . 219.95



Shown in walnut case

Order Your Stereo System Now—Use Allies' Credit Fund Plan



# 32-Watt Stereo FM-AM Receiver



Shown in walnut case

Save \$20.00 from  
Catalog 270 Price  
of \$149.95

## Full-Feature **ALLIED** 333 Stereo FM-AM Receiver

**\$129<sup>95</sup>**  
With  
Metal Case  
\$7 monthly

- 64 Watts of Peak Stereo Power, 32 Watts IHF
- Stereo-FM Indicator Light • Tuning Eye
- Completely Factory Assembled and Ready to Use
- Loudness Switch • Tape Manitar Switch



Selector Switch Has Six  
Positions for Virtually  
Any Audia Source



Dual-Concentric  
Volume Control  
Adjusts Channels for  
Perfect Balance



Tape Recorder Inputs  
and Outputs plus  
Monitoring Switch  
for 3-Head Decks



Convenient Frant-Panel  
Stereo Headphone  
Jack with Speaker-Off  
Switch

Offering deluxe features and superb performance, the 333 is a spectacular stereo FM-AM receiver value. Delivers 64 watts peak power output for thrilling full-fidelity stereo. Receives stereo FM, plus monaural FM and AM, and has a full array of inputs and controls for phono and tape. Deluxe circuit has separate sections for stereo FM, monaural FM, and AM.

Wide slide-rule dial and Magic Eye indicator for easy, precise tuning. Stereo light indicates stereo FM broadcasts. AFC locks in FM signals. Time-switching multiplex circuit. Front-panel stereo headphone jack with speaker-off switch. Controls include: Power On-Off; Separate Bass and Treble; Loudness for full-range response even at low listening levels; Dual Concentric Volume-Balance. Full tape recorder and tape monitoring facilities.

Extruded front panel in Sierra Gold. Built-in AM antenna twin-lead FM dipole antenna. Deluxe tube circuit with 10 solid-state semiconductors in key circuits. 5 3/8 x 15 1/8 x 13 1/8". With smart metal case. Walnut case below. For 110-127 volts, 60 Hz AC. Japan.

14 C 5073 U. Shpg. wt., 28 lbs. \$7 Monthly.....129.95  
14 C 5008 X. Oiled Walnut Wood Case. Shpg. wt., 5 lbs.....14.95

### SPECIFICATIONS

**FM CIRCUIT.** Sensitivity: 2.5  $\mu$ V for 20 dB quieting. Usable IHF Sensitivity: 3.0  $\mu$ V. Image Rejection: better than 30 dB. **FM MULTIPLEX CIRCUIT.** Time-switching type. Channel Separation: 30 dB. **AM CIRCUIT.** Image Rejection: better than 40 dB. **AMPLIFIER CIRCUIT.** Power Output: 64 watts peak; 32 watts IHF, 16 watts per channel. 12 watts per channel (rms) continuous sine wave. Frequency Response:  $\pm 2$  dB, 20-30,000 Hz. Harmonic Distortion: less than 1% at rated output. Hum/Noise: -55 dB, Mag. Phono; -70 dB, Aux. Inputs: Magnetic Phono; Ceramic or Low-Level Auxiliary; High-Level Aux; Recorder. Outputs: 8, 16 ohms; Stereo Headphone; Recorder; Tape-Source Monitoring. Overall: 13 tubes; tuning eye; 2 silicon rectifiers; 8 diodes. 115 W max. power consumption.



# Allied 32-Watt Stereo FM-AM Phono Systems

(A)

Receiver shown in walnut case



(B)

## Special 32-Watt Stereo FM-AM-Phono System

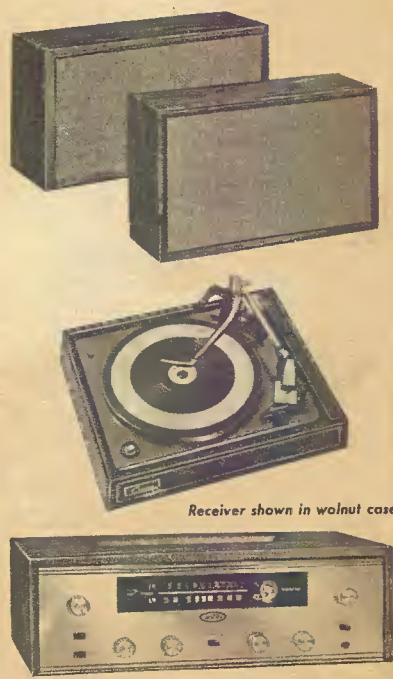
Receiver shown in walnut case



(C)

## Deluxe 32-Watt Stereo FM-AM-Phono System

Receiver shown in walnut case



Save  
\$53.85  
**\$199<sup>95</sup>**  
With Metal Case  
\$10 monthly

### (A) Top-Value Stereo FM-AM-Phono System

Separately, \$253.80. Selected to provide top value for your sound dollar. Allied 333 32-Watt Stereo FM-AM Receiver. Delivers 64 watts peak power. Metal case. Optional walnut case below. Garrard 40 MK II 4-Speed Automatic Turntable, Base. Silent 4-pole motor. With Shure M75-6 Stereo Cartridge. Two Allied 3002 Two-Way 8" Walnut Shelf Speaker Systems with 8" woofer, 3 1/2" tweeter. With cables, hi-fi booklet. Shpg. wt., 78 lbs.

14 C 0050 D5U. \$10 Monthly. . . . . 199.95  
14 C 5008 X. Walnut Receiver Case. Wt., 5 lbs. . . . . 14.95

Save  
\$64.30  
**\$239<sup>95</sup>**  
With Metal Case  
\$12 monthly

### (B) Special Stereo FM-AM-Phono System

Separately, \$304.25. Delivers dazzling stereo sound at a moderate price. Allied 333 32-Watt Stereo FM-AM Receiver has full array of inputs, outputs, controls. With metal case. Optional walnut wood case above. Garrard SL55 4-Speed Synchro-Lab Automatic Turntable and Base. Constant-speed synchronous motor, cueing. Pickering V15/AC-3 Stereo Cartridge. Two Allied 3005A 3-Way 10" Walnut Shelf Speaker Systems. 10" woofer, 6" midrange, 3 1/2" tweeter. With cables, hi-fi booklet. Shpg. wt., 86 lbs.

14 C 0051 D5U. \$12 Monthly. . . . . 239.95

Save  
\$104.30  
**\$279<sup>95</sup>**  
With Metal Case  
\$14 monthly

### (C) Deluxe Stereo FM-AM-Phono System

Separately, \$384.25. Outstanding true-to-life stereo at big savings. Allied 333 32-Watt Stereo FM-AM Receiver develops 64-watts of peak power for full-dimensional stereo realism. With metal case. Optional walnut case above. Garrard SL65 4-Speed Synchro-Lab Automatic Turntable with Base. Deluxe features. Empire 888E Stereo Elliptical Cartridge. Two Assembled and Finished Allied 3030B 3-Way 12" Walnut Speaker Systems. 12" woofer, 6" midrange, 3 1/2" tweeter. Cables, hi-fi booklet. Shpg. wt., 103 lbs.

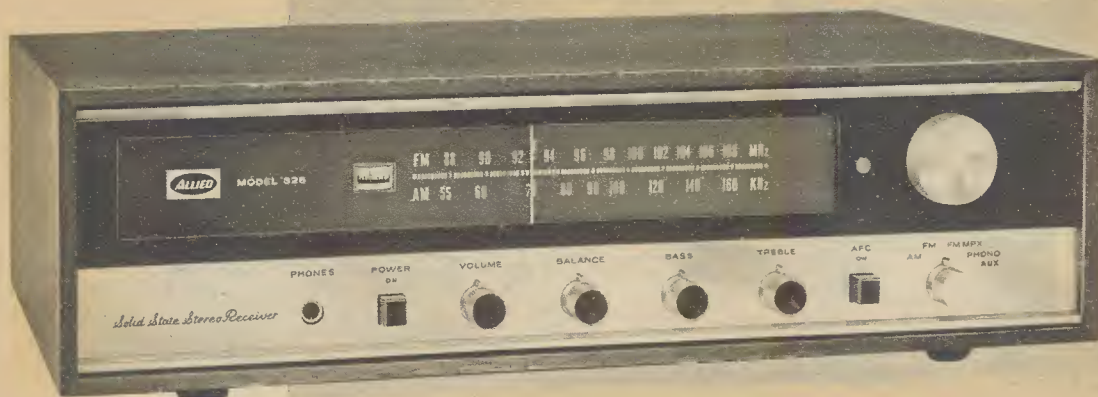
14 C 0052 D5Z. \$14 Monthly. . . . . 279.95

Ensembles Are Ready to Play—Complete with Cables, Hi-Fi Booklet

ALLIED 23

# ALLIED

## New Model 325 . . At Our Lowest Price Ever for Any Solid-State Stereo FM-AM Receiver



### DELUXE FEATURES



Signal-Strength Meter for Precision FM and AM Tuning



Stereo Indicator Light Flashes On When You're Tuned to Stereo FM



Input Selector Lets You Choose Stereo FM, FM, AM, Phono, Tape

### ALLIED Model 325 Stereo FM-AM Receiver

**\$89<sup>95</sup>**  
With Case  
**\$5 monthly**

- Complete with Handsome Walnut-Veneer Wood Case
- Advanced 38-Semiconductor Circuit
- 30 Watts of Peak Music Power Output
- Illuminated Slide-Rule Dial
- Tuning Meter
- Tape Input
- Switchable AFC

Never before have we offered a *solid-state* stereo FM-AM receiver at such a sensational low price. The new Allied 325 gives you many fine features that you would not expect at this exciting price. Pulls in static-free stereo FM, and wideband AM. D'Arsonval signal-strength meter and illuminated dial for precision tuning. AFC locks in FM stations for drift-free reception, has defeat switch for tuning weak stations adjacent to strong ones. Separate bass and treble controls. Channel balance control. Inputs for plugging in stereo record player with ceramic or crystal cartridge, and tape deck. Output: 8 ohms; stereo headphone jack. Size, 5x16x12<sup>1</sup>/<sub>2</sub>". Built-in AM antenna, FM antenna. With walnut-veneer wood case. Made in Japan to Allied's specifications. Shpg. wt., 21 lbs. 14 C 5079 U. \$5 Monthly..... **89.95**

### SPECIFICATIONS

FM CIRCUIT. Sensitivity: 3  $\mu$ V for 30 dB quieting. Image Rejection: 45 dB. FM MULTIPLEX CIRCUIT. Channel Separation: 26 dB. AM CIRCUIT. Image Rejection: 36 dB. AMPLIFIER CIRCUIT. Power Output: 30 watts peak music power; 15 watts IHF, 7.5 watts per channel. Frequency Response: 40-15,000 Hz. Harmonic Distortion: 1.5%. Inputs: Ceramic Phono; Preamplified Tape. Speaker Output: 8 ohms. Overall: 21 transistors, 17 diodes. Power Requirement: 110-120 V, 60 Hz AC.

### Component Stereo FM-AM-Phono System . . Priced As Low As a Good Phonograph



- Allied 325 Solid-State Stereo FM-AM Receiver
- Garrard 30 Record Changer with Diamond Stylus
- Two Allied 3002 Two-Way Shelf Speaker Systems

Separately, \$184.30. A component stereo system at the price of a good portable phono. New Allied 325 Stereo FM-AM Receiver. Tuning meter, AFC, stereo indicator light, solid-state circuit. Includes walnut-veneer wood case.

Garrard 30 Four-Speed Automatic Stereo Record Changer with Cartridge, Base. Intermixes records of the same speed. Stereo ceramic cartridge has diamond stylus.

Two Allied 3002 Two-Way 8" Walnut Shelf Speaker Systems. 8" woofer, 3<sup>1</sup>/<sub>2</sub>" tweeter. With cables, booklet. Wt., 70 lbs. 14 C 0029 14U. \$8 Monthly..... **149.95**

Save **\$149<sup>95</sup>**  
**\$34.35** \$8 monthly

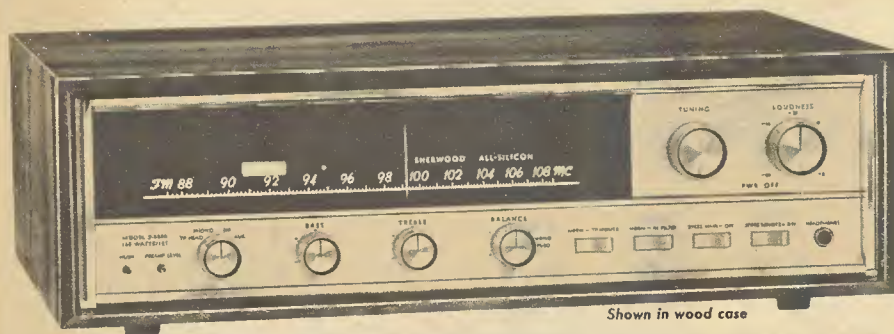


# Allied Special-Purchase Offers!

## Two Deluxe Stereo FM Receivers

# RECEIVERS

## SHERWOOD • SCOTT



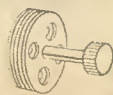
Shown in wood case

### Sherwood S-8800 Silicon Solid-State 140-Watt Stereo FM Receiver at Special-Purchase Savings

- All-Silicon for Outstanding Hi-Fi
- Front-Panel Preamp Level Adjustment
- Automatic Stereo/Mono FM Switching
- Precise Zero-Center Tuning Meter

Was \$359.50 in Last Year's Catalog. This professional-quality stereo receiver boasts all-silicon-transistor circuit with Field-Effect Transistors in RF and mixer stages for extraordinary stereo FM. Powerful output can drive two sets of stereo speakers. Transistorized instant-output overload protection. Noise-gated automatic stereo/mono FM switching with stereo indicator light. Zero-center tuning meter. Front-panel preamplifier level adjustment, stereo headphone jack. Tape monitor. High filter. Main/Remote speaker switches. *Power Output:* 140 watts IHF. *Frequency Response:*  $\pm 1/2$  dB, 20-20,000 Hz. *Power Bandwidth:* 12-35,000 Hz. *IM Distortion:* 0.1%. *FM Sensitivity:* 1.8  $\mu$ V for 30 dB quieting. *Capture Ratio:* 2.4 dB. Size,  $4\frac{1}{2} \times 16\frac{1}{2} \times 14"$ . For 117 volts, 60 Hz AC. Optional case below. Shpg. wt., 27 lbs.

- 13 C 2826 U. \$15 Monthly.....299.50
- 13 C 2475 X. Walnut Grain Metal Case. Shpg. wt., 8 lbs.....9.00
- 13 C 2429 X. Oiled Walnut Wood Case. Shpg. wt., 8 lbs. \$5 Monthly.....28.00



**Velvet-Smooth Weighted-Flywheel Inertia Tuning**



**Between-Station Hush Eliminates Noise When Tuning Stations**



**Tremendous Reserve Power Handles Loud Passages With Ease**



**Sensitive Field-Effect Transistors Used in RF and Mixer Stages**

## Price Cut on Scott 20th Anniversary Receiver



### HHS-20 Solid-State 40-Watt Stereo FM Receiver

Was \$219.95. Surprising low price for a receiver with Scott's famous quality. The Scott 20th anniversary special limited-edition receiver features all-silicon solid-state circuit with sensitive FET front-end, integrated circuit IF. Automatic stereo/mono FM switching. Full array of controls and inputs—even has front-panel jacks for guitar and mike. Tuning meter, slide-rule dial, stereo indicator light. Tape monitor. Main/remote speaker switch. Stereo headphone jack. *Power:* 40 watts IHF. *Response:* 18-25,000 Hz. *Sensitivity:* 2.3  $\mu$ V. *Capture Ratio:* 3 dB. With handsome black and oiled walnut case.  $5\frac{1}{2} \times 17\frac{1}{2} \times 15\frac{1}{4}"$ . For 115 VAC. Shpg. wt., 18 lbs.

- 13 C 2680 U. \$10 Monthly.....199.95

**Save \$20.00**

**\$199.95** With Case

\$10 monthly

- All-Silicon-Transistors
- Sensitive FET Front-End
- Integrated Circuit IF
- Automatic Stereo Switching
- Front-Panel Guitar and Mike Inputs
- Includes Handsome Case

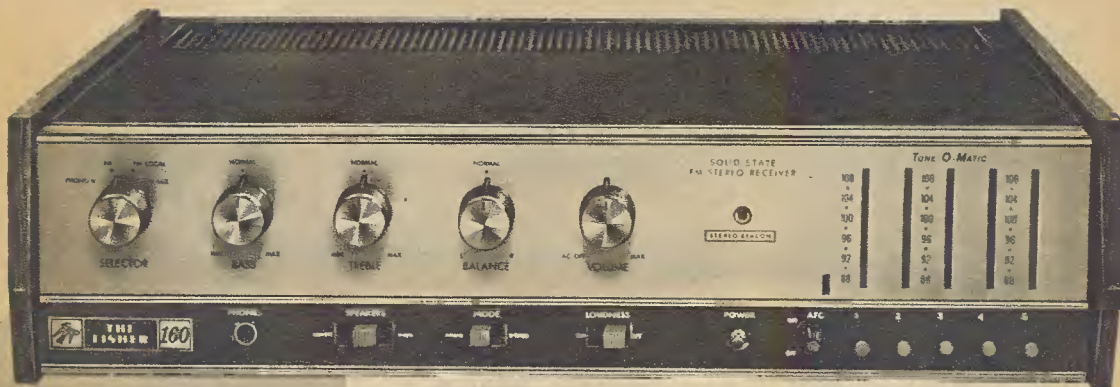
Use Allied's Credit Fund Plan to Own The Finest Stereo Components

ALLIED 25

# RECEIVERS

FISHER

## New FISHER Solid-State Stereo Receivers with Latest Circuit Improvements



**40 WATTS**

Fisher 160-T  
Stereo FM Receiver  
With Tune-O-Matic®

**New Model 160-T Stereo FM Receiver**

**\$199<sup>95</sup>**  
With Case

\$10 monthly

- Pushbuttons Instantly Select Any Five Stations
- Three Integrated Circuits in IF Amplifiers
- Two Field-Effect-Transistors in FM Front-End
- Sleek, Ultra-Modern Low-Silhouette Styling
- Silicon Transistor Transformerless Output
- Three-Position Speaker Selector Switch



**65 WATTS**

New Moderately Priced  
Fisher 175-T Stereo  
FM-AM Receiver

**Value-Priced Fisher 175-T Stereo FM-AM Receiver**

**\$249<sup>95</sup>**  
less case

\$13 monthly

- FET and Integrated Circuit FM Tuner Section
- Dual-Detector Circuit for Superior AM Reception
- Silicon Transistor Transformerless Output
- "Transist-O-Gord" Overload Protection Circuit
- Separate Main and Remote Selector Switches
- Automatic Time Division Multiplex Switching



# FISHER Solid-State Receivers and Radio

## RECEIVERS

FISHER

### New 160-T 40-Watt Stereo FM Receiver With Instantaneous Pushbutton Tuning

New advanced-design stereo FM receiver offers superb performance and unusual features, plus low-profile styling complete with sculptured walnut sides—no optional cabinet is needed. Convenient Tune-O-Matic® pushbuttons let you instantly select any one of five easily preset stations at the touch of your finger, special AFC circuit locks in the stations for always perfect tuning. You can also tune stations manually when you wish.

Field-Effect-Transistors in front-end, plus three integrated circuits in IF stage, assure outstanding stereo reception. Has automatic FM stereo switching and "Stereo Beacon" indicator light. Superior distortion-free Baxandall-type bass and treble controls.

Amplifier boasts silicon output transistors with Transist-O-Gard® overload protection circuit. Transformerless output for low distortion and broad power bandwidth. Speaker selector switch has Main, Remote, Off positions. Stereo headphone jack. Tape output. Controls include Bass, Treble, Balance, Volume, Selector switch for Phono, FM, FM Local and Aux. Switches for Mode, Loudness Contour, AFC.  $3\frac{1}{2} \times 15\frac{1}{2} \times 11\frac{1}{4}$ ". For 110-128 volts, 50-60 Hz AC. Shpg. wt., 20 lbs.

13 C 2545 U. \$10 Monthly..... 199.95

#### SPECIFICATIONS

**AMPLIFIER CIRCUIT.** Power Output: 40 watts, IHF; 15 watts per channel rms at 8 ohms. Frequency Response:  $\pm 2$  dB, 25-20,000 Hz. Harmonic Distortion: 0.5%. Power Bandwidth: 25-25,000 Hz IHF at 8 ohms. Hum and Noise: Magnetic Phono, -55 dB; Aux., -65 dB. Outputs: 4-16 ohms, stereo headphone, recorder. Input Sensitivity: Phono Low/High, 2.5 mV/9.5 mV; Auxiliary, 250 mV. TUNER CIRCUIT. IHF Sensitivity: 2.2  $\mu$ V. Harmonic Distortion: 0.6%. Selectivity: Alternate Channel, 45 dB. Separation: 35 dB. Signal-to-Noise Ratio: 60 dB at 100% modulation. Capture Ratio: 2.8 dB. GENERAL. Semiconductors: 30 transistors, 25 diodes, 3 integrated circuits.

### Feature-Packed Fisher Model 175-T 65-Watt Stereo FM-AM Receiver

Stereo FM-AM receiver with Fisher deluxe engineering at an easy-on-the-budget price. Provides superb stereo FM, plus wideband AM. Sensitive FM circuit has two Field-Effect-Transistors in front-end and two integrated circuits in IF stage. AM highly-selective front-end with AGC. "Stereo Beacon" shows when you are tuned to a stereo FM station, and automatically switches to stereo.

Silicon transistors in transformerless output circuit for highest reliability. Output circuit protected by Transist-O-Gard®. Broad power bandwidth from 25 to 25,000 Hz IHF at 8 ohms. Speaker switches for selecting Main/On-Off, Remote/On-Off. Front-Panel stereo headphone jack.

Controls include Bass, Treble, Balance, Volume, Selector switch for Phono, FM, FM Local, AM, Aux. Switchable Loudness Contour. Tape recording output. Built-in AM antenna. Optional vinyl walnut wood case below.  $5\frac{1}{2} \times 15\frac{1}{2} \times 12\frac{3}{4}$ ". 105-128 V, 50-60 Hz AC. 23 lbs.

13 C 2539 U. \$13 Monthly..... 249.95  
13 C 2538 X. Walnut Wood Case. Shpg., wt., 6 lbs.... 19.95

#### SPECIFICATIONS

**AMPLIFIER CIRCUIT.** Power Output: 65 watts IHF; 20-watts per channel rms at 8 ohms. Frequency Response:  $\pm 2$  dB, 20-20,000 Hz. Harmonic Distortion: 0.5%. Hum and Noise: Magnetic Phono, -55 dB; Auxiliary, -65 dB. Outputs: 4-16 ohms, headphones, recorder. Input Sensitivity: Magnetic Phono Low/High, 2.5 mV/7.5 mV; Aux., 250 mV. TUNER CIRCUIT. FM Section. Sensitivity: 2.0  $\mu$ V, IHF. Harmonic Distortion: 0.6%. Selectivity: 45 dB. Separation: 35 dB. Signal-to-Noise: 65 dB. Capture Ratio: 2.8 dB. AM Section. Sensitivity: 10  $\mu$ V. Selectivity: 50 dB. GENERAL. Semiconductors: 35 transistors, 20 diodes, 2 integrated circuits.



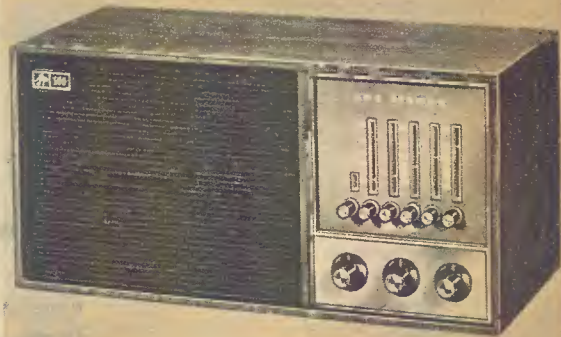
### Fisher 200-T 70-Watt FM Receiver

**\$279.95** less case  
\$14 monthly

- Field-Effect-Transistor Front-End
- Automatic Stereo-Mono FM Switching
- Illuminated D'Arsonval Tuning Meter

Moderately priced receiver features luxurious styling, exciting stereo performance. Pulls in excellent stereo FM, and has controls for every music source. Time-division automatic stereo FM switching. Integrated circuit IF. Muting switch for noise-free tuning. Transistorized overload protection. Inputs for mag. phono, tape, aux. Tape monitor. Output: 70 watts IHF at 4 ohms. Response:  $\pm 0$ , -2 dB, 20-25,000 Hz. Harmonic Distortion: 0.8%. FM Sensitivity: 2.0  $\mu$ V IHF. Separation: 35 dB.  $4\frac{1}{2} \times 15\frac{1}{2} \times 11\frac{1}{2}$ ". Optional case below. For 110-128 VAC. Shpg. wt., 24 lbs.

13 C 2082 U. \$14 Monthly..... 279.95  
13 C 2629 X. Oiled Walnut Wood Case. Wt., 6 lbs. . . 22.95



### Fisher 100 Hi-Fi Compact FM Radio

**\$99.95**  
\$5 monthly

- Tune-O-Matic® Pushbutton FM Tuning
- Separate Bass and Treble Controls
- Built-in Wide-Range Speaker System

For deluxe listening. Fine high-fidelity features in a compact FM table radio. Brilliant, wide-range monaural sound. Built-in  $5\frac{1}{4}$ " speaker with 2-lb. magnet structure. Tune-O-Matic® circuit lets you select any one of five easily preset stations at the touch of a button—or tune manually when you wish. Baxandall-type bass and treble tone controls; AFC. Handsome walnut cabinet,  $6\frac{1}{2} \times 13\frac{3}{8} \times 6\frac{3}{4}$ ". For 110-128 volts, 50-60 Hz AC. Shpg. wt., 14 lbs.

13 C 2663 X. \$5 Monthly..... 99.95  
13 C 2664 X. S-30 Speaker System. For additional sound coverage or extension speaker.  $6\frac{1}{2} \times 13\frac{3}{8} \times 6\frac{3}{4}$ ". Shpg. wt., 9 lbs. \$5 Monthly..... 29.95

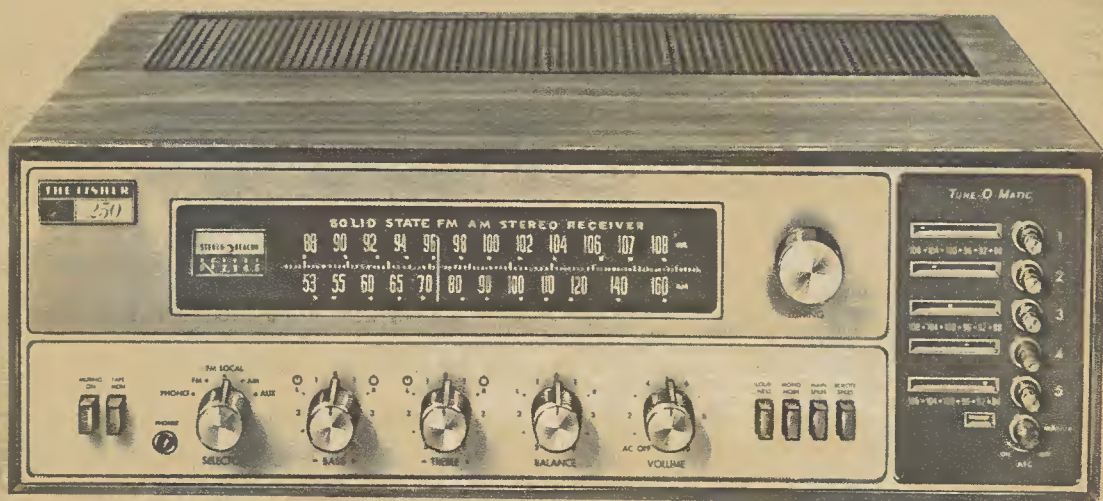
Buy Your Stereo Hi-Fi Components on Allied's Credit Fund Plan

ALLIED 27

# RECEIVERS

FISHER

## New FISHER Solid-State Receiver and Complete Stereo Compact Systems



**100 WATTS**

Solid-State Stereo  
FM-AM Receiver with  
Pushbutton FM Tuning

(A)

Convenience-Engineered Fisher 250T FM-AM Receiver

**\$299<sup>95</sup>**  
less  
cost

\$15 monthly

- Convenient "Tune-O-Matic" Pushbutton FM Tuning
- Integrated Circuit IF Stages • FET Front-End
- "Transist-O-Gard" Output Overload Protection
- Time Division Multiplex Circuit • Stereo Beacon
- Wideband AM Front-End with New Dual Detector

Fisher 120 Stereo FM  
3-Piece Ensemble

**\$299<sup>95</sup>**

\$15 monthly



## STEREO COMPACTS

Solid-State Stereo Systems  
Feature Integrated Circuits  
and FET's for Fine Performance

Fisher Stereo Compacts Boast Component-Quality  
Performance, Flexibility, and Power from Units  
No Larger than an Ordinary Table Phonograph

Fisher 125 Stereo FM-AM  
3-Piece Ensemble

**\$329<sup>95</sup>** \$16  
monthly





# Solid-State Stereo Receivers, plus Stereo Compacts and Reverb System

## RECEIVERS

FISHER • ALTEC

### A Fisher Model 250T 100-Watt Solid-State Stereo FM-AM Receiver

Advanced-design receiver delivers magnificent stereo FM reception, plus outstanding AM. Sensational new "Tune-O-Matic" pushbutton FM tuning lets you instantly select any one of five preset FM stations for the ultimate in tuning convenience. Also has large slide-rule dial for manual tuning.

Two Field-Effect-Transistors plus two Integrated Circuit IF's provide superior FM reception. Wideband AM circuit has dual detector stage to prevent distortion. Between-station muting eliminates noise when tuning FM. Time division multiplex switching circuit. Tuning meter. "Stereo Beacon" indicator light.

Silicon output transistors protected by "Transist-O-Gard" circuit. Tape monitor. Pushbuttons control main or remote speaker selection, mono mode and loudness. Rotary switch for Phono, FM, FM Local, AM, Aux. Has Bass, Treble and Balance controls. Optional case below. For 105-120 volts, 50-60 Hz. Shpg. wt., 24 lbs.  
13 C 2544 U. \$15 Monthly..... 299.95  
13 C 2538 X. Walnut Wood Case. 9 lbs..... 19.95

#### SPECIFICATIONS

**AMPLIFIER CIRCUIT.** Power Output: 100 watts, IHF at 4 ohms; Response:  $\pm 2$  dB, 20-20,000 Hz. Power Bandwidth: 20-25,000 Hz IHF at 8 ohms. Harmonic Distortion: 0.5%. Hum and Noise: Mag. Phono, -60 dB; Aux., -70 dB. Inputs: Hi-Lo Phono, Aux., Monitor. Outputs: 4-16 ohms, headphones, recorder. Damping Factor: greater than 10.  
**TUNER CIRCUIT, FM Section.** Sensitivity: 2.0  $\mu$ V IHF. Harmonic Distortion: 0.6%. Selectivity: 45 dB. Separation: 35 dB. Signal-to-Noise Ratio: 60 dB at 100% modulation. Capture Ratio: 2.8 dB. AM Section: Sensitivity: 10  $\mu$ V. IF Rejection: 85 dB. Size 8 $\frac{1}{4}$ x17 $\frac{1}{2}$ x15 $\frac{5}{8}$ ".

### B Fisher Model 120 Solid-State 40-Watt FM Stereo Compact

In space-saving compact form, yet delivers impressive stereo. Consists of Fisher's 40-watt stereo FM receiver, four-speed automatic turntable with Pickering cartridge, two Fisher XP-55B two-way 8" speaker systems. IHF Output: 40 watts at 4 ohms. Response: 25-25,000 Hz. Two Field-Effect-Transistors and two Integrated Circuits for superb FM reception. Sensitivity: 2.0  $\mu$ V IHF. Silicon output circuit protected by "Transist-O-Gard." Tape monitor, tuning meter, "Stereo Beacon." Each speaker system has 8" woofer, 3" tweeter. Control center, 8 $\frac{1}{4}$ x17 $\frac{1}{2}$ x15 $\frac{5}{8}$ "; speakers, 10x20x9" each. Handsome oiled walnut finish. Optional dust cover below. For 110-120 VAC. Shpg. wt., 76 lbs.  
13 C 2547 U. \$15 Monthly..... 299.95  
13 C 2659 X. Plastic Dust Cover. Wt., 5 lbs..... 14.95

### C Fisher Model 125 Solid-State 40-Watt FM-AM Stereo Compact

Fisher's best stereo compact offers exciting stereo FM and wideband AM. Includes powerful 40-watt stereo receiver, four-speed automatic turntable with Pickering cartridge, and two Fisher XP-55B two-way 8" speaker systems. Full-feature receiver boasts latest design FM section with FET's and Integrated Circuits. AM has AGC and dual detector. IHF Output: 40 watts at 4 ohms. Power Bandwidth: 25-25,000 Hz. FM Sensitivity: 2.0  $\mu$ V IHF. Silicon transistor output stage. Full controls, including tape monitor. Each speaker system has 8" woofer and 3" tweeter. Control center, 8 $\frac{1}{4}$ x17 $\frac{1}{2}$ x15 $\frac{5}{8}$ "; speakers, 10x29x9" each. Walnut finish. Optional dust cover below. For 110-120 VAC. Shpg. wt., 76 lbs.  
13 C 2549 U. \$16 Monthly..... 329.95  
13 C 2659 X. Plastic Dust Cover. Wt., 5 lbs..... 14.95



Simulates  
Exciting  
Concert-Hall  
Reverberation

**\$69.95** \$5  
monthly

### Fisher K-10 Reverberation System

- Adds New "Depth" to Hi-Fi for Music-Hall Acoustics
- For All Systems with Tape Monitor Or Separate Preamps

Adds a thrilling new dimension to hi-fi sound systems, stereo or mono. By delaying part of the audio signal for 33 milliseconds, the K-10 duplicates the sound of a concert hall so perfectly that you'll think you're hearing a live performance. Plugs into any Fisher receiver including earlier models such as 400, 500, and 800. Can also be used with other systems having tape monitoring facilities or separate preamplifiers. For 105-120 VAC. Shpg. wt., 10 lbs.  
13 C 2097 X. \$5 Monthly..... 69.95

### New Altec-Lansing Model 711B 100-Watt Stereo FM Receiver



**\$359.55**  
Less  
Case  
\$17 monthly

- All-Silicon-Transistor Output
- Self-Resetting Circuit Breakers
- Tape Monitor • Tape Head Input

New solid-state stereo FM receiver with up-to-the minute design and features for superlative performance. Field-Effect-Transistor front-end and Integrated Circuit IF strip assure flawless stereo. Tuning meter, stereo indicator light, between-station muting, speaker selector switch, stereo headphone jack. Full complement of controls and inputs for all music sources. Response:  $\pm 1$  dB, 15-25,000 Hz. Capture Ratio: 2.5 dB. 5 $\frac{3}{8}$ x16 $\frac{3}{8}$ x12". Optional case below. For 117 VAC. Shpg. wt., 32 lbs.  
13 C 2815 U. \$17 Monthly..... 359.55  
13 C 2816 X. Walnut Wood Case. 12 lbs..... 21.60

Enjoy Stereo Now . . . Pay Later with Your Allied Credit Fund Account

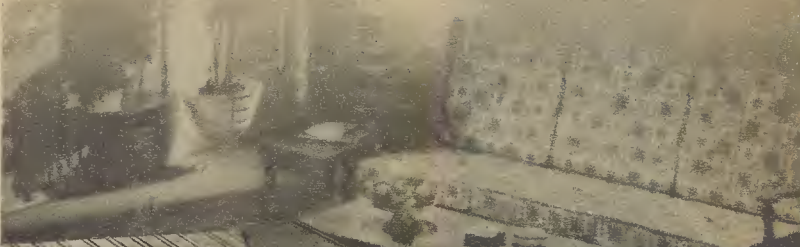
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# RECEIVERS

H. H. SCOTT

Scott—Famous for  
Superb Performance,  
Quality Craftsmanship

## SCOTT Solid-State Stereo Receivers .. Advanced Design, Luxurious Styling



Shown in walnut case

**A** 50  
WATTS  
Model 341  
Stereo FM  
Receiver  
**\$219<sup>95</sup>** less case  
\$11 monthly



Shown in walnut case

**B** 65  
WATTS  
Model 342B  
Stereo FM  
Receiver  
**\$255<sup>00</sup>** less case  
\$13 monthly



Shown in walnut case

**C** 65  
WATTS  
Model 382B  
Stereo FM-AM  
Receiver  
**\$290<sup>00</sup>** less case  
\$15 monthly



# SCOTT Solid-State Stereo Receivers with Deluxe Integrated Circuits

## RECEIVERS

H. H. SCOTT

### A New 341 50-Watt Stereo FM Receiver

- Uses FET's in Frant-End and in Tone Cantral Circuit
- Integrated Circuit IF's • Integrated Circuit Preamp
- New Solderless Connectars on Printed Circuit Boards
- Stereo Threshold Adjustment for Perfect FM Switching

New 50-watt solid-state stereo FM receiver boasts famous Scott performance and features at a moderate price. Delivers superb, true-to-life stereo FM. Advanced circuit design features FET's in front end and tone control circuit for super-stability. Integrated circuit IF's and preamp offer highest reliability.

Stereo threshold adjustment lets you have perfect automatic stereo switching in any area. Dual clutch-type bass and treble controls. Wide slide-rule dial, stereo indicator light, center-tuning meter. Printed circuit boards use new solderless connectors for extra reliability.

*Power:* 50 watts at 4 ohms, 35 watts at 8 ohms. *Response:*  $\pm 1$  dB, 20-20,000 Hz. *Usable FM Sensitivity:* 2.5  $\mu$ V. *FM Separation:* 30 dB. *Capture Ratio:* 2.5 dB. *Signal-Noise:* 60 dB. *Inputs:* magnetic phone, aux., tape monitor. *Outputs:* 4-16 ohm speakers, headphones, tape. Size,  $14\frac{3}{4} \times 12\frac{1}{2} \times 4\frac{1}{4}$ ". Order optional case below. For 115 volts, 50-60 Hz AC. Shpg. wt., 17 lbs.  
 13 C 2719 U. \$11 Monthly.....219.95  
 13 C 2001 X. Brawn Metal Case. Shpg. wt., 5 lbs.....12.50  
 13 C 2040 X. Oiled Walnut Wood Case. Wt., 6 lbs.....20.82

### B 342B 65-Watt Stereo FM Receiver

Superb receiver with Scott extra-quality features for the finest possible performance. Silver-plated Field-Effect-Transistor front-end plus all-silicon circuitry with integrated circuit IF amplifier for super-sensitivity and selectivity and full stereo separation. Transformerless output for powerful full response performance. Noise filter for interference-free FM.

Precision tuning meter; stereo indicator light; main-remote speaker switch; bass and treble controls for each channel; tape monitor. Inputs for all music sources. *Response:*  $\pm 1$  dB, 18-25,000 Hz. *Usable FM Sensitivity:* 2.2  $\mu$ V. *FM Separation:* 36 dB. *Outputs:* 4-16 ohm speakers, headphones, recording. Size,  $4\frac{1}{16} \times 15\frac{1}{16} \times 11\frac{3}{4}$ ". Order optional case below. For 115 volts, 50-60 Hz AC. Shpg. wt., 17 lbs.

13 C 2711 U. \$13 Monthly.....255.00  
 13 C 2001 X. Brown Metal Case. Sbgp. wt., 5 lbs.....12.50  
 13 C 2040 X. Oiled Walnut Wood Case. Wt., 6 lbs.....20.82

### C 382B 65-Watt Stereo FM-AM Receiver

Receiver has Scott's deluxe features for outstanding FM and AM performance. Integrated-circuit IF amplifier for superior sensitivity and stereo separation. Transformerless silicon output stage provides broad power bandwidth for lifelike stereo. Exclusive Automatic Variable Bandwidth for amazingly clear AM. Silver-plated Field-Effect-Transistor front-end for high selectivity and freedom from strong-signal interference.

Tuning meter, subchannel filter, stereo indicator light, automatic stereo switching, bass and treble controls for each channel, tape monitor, full inputs. *Response:*  $\pm 1$  dB, 18-25,000 Hz. *FM Sensitivity:* 2.2  $\mu$ V. *FM Separation:* 36 dB. *Outputs:* 4-16 ohms, stereo headphone, recorder.  $4\frac{1}{16} \times 15\frac{1}{16} \times 11\frac{3}{4}$ ". Optional case below. For 110-120 volts, 50-60 Hz AC. Shpg. wt., 17 lbs.

13 C 2713 U. \$15 Monthly.....290.00  
 13 C 2001 X. Brawn Metal Case. Shpg. wt., 5 lbs.....12.50  
 13 C 2040 X. Oiled Walnut Wood Case. Wt., 6 lbs.....20.82



344C 90-Watt Stereo FM Receiver

\$339.95  
less case  
 \$16 monthly

- Integrated-Circuit IF Stage
- Field-Effect-Transistor Frant-End
- Computer-Type Pushbutton Switches

One of Scott's finest receivers, with powerful 90-watt IHF output at 4 ohms for breathtaking performance. Superb stereo separation and sensitivity. Silver-plated FET front-end. Transformerless silicon transistor output. Tuning meter, interstation muting, main/remote/both speaker switch, tape monitor. Full array of controls and inputs plus front-panel mike/guitar inputs. *Response:*  $\pm 1$  dB, 15-30,000 Hz. *Sensitivity:* 1.9  $\mu$ V. *Outputs:* 4-16 ohms, stereo headphone, tape recorder.  $5\frac{1}{2} \times 17\frac{1}{2} \times 13$ ". Order case below. 115 VAC.  
 13 C 2714 U. Wt., 25 lbs. \$16 Monthly.....339.95  
 13 C 2733 X. Oiled Walnut Wood Case. Wt., 6 lbs. 26.95



384 90-Watt Stereo FM-AM Receiver

\$369.95  
less case  
 \$17 monthly

- Automatic Sterea FM Switching
- Automatic Variable Bandwidth on AM
- Full Inputs, Plus Mike and Guitar

Similar to Model 344C (above), but includes exceptionally clear AM coverage in addition to magnificent stereo FM reception.  $5\frac{1}{4} \times 17\frac{1}{2} \times 13$ ". Order case below. For 115 VAC. Shpg. wt., 25 lbs.  
 13 C 2710 U. \$17 Monthly.....369.95  
 13 C 2733 X. Oiled Walnut Wood Case. 8 lbs.....26.95

## KIT BUILDERS!

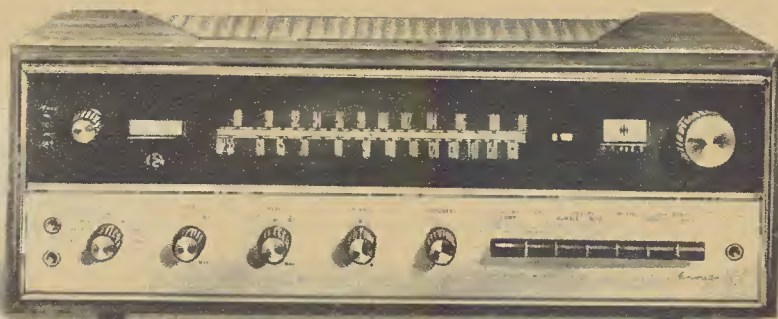
See Page 473 for Famous  
 Scott-Kit Stereo Receiver,  
 Tuner and Amplifier Kits

# RECEIVERS

H. H. SCOTT

**Scott's Two Finest and Most Powerful Receivers! Both Deliver 120 Watts of Super-Stereo . . . Choice of FM or FM-AM**

## SCOTT High-Powered Stereo Receivers



A

120 Watts  
FM-AM  
**\$474<sup>95</sup>**  
less case  
\$20 monthly



B

120 Watts  
FM  
**\$449<sup>95</sup>**  
less case  
\$20 monthly

**A 388B 120-Watt Stereo FM-AM Receiver**

**B 348B 120-Watt Stereo FM Receiver**

Scott's finest stereo FM-AM receiver. Super-sensitive Field-Effect-Transistor front end, integrated circuits, plus advanced features for stereo FM. Automatic Variable Bandwidth for outstanding AM, too. Has all controls and inputs for phono, tape, and mike. Between-station silencing; tuning meter; tape monitor; stereo indicator light; rumble, scratch filters; main/remote speaker switch. **Power:** 120 watts IHF at 4 ohms. **Response:** 15-30,000 Hz. **FM Sensitivity:** 1.5  $\mu$ V. **Harmonic Distortion:** 0.8%. **Outputs:** 4-16 ohms; stereo phones; recording.  $4\frac{1}{2} \times 15\frac{9}{16} \times 12\frac{1}{4}$ ". Optional case below. For 110-120 V, 60 Hz AC. 13 C 2717 U. Shpg. wt., 29 lbs. \$20 Monthly . . . 474.95 13 C 2733 X. Oiled Walnut Case. Shpg. wt., 8 lbs. . . . 26.95

Scott's 348B stereo FM receiver develops a depth and breadth of sound that gives you stereo with exciting realism. Packing plenty of reserve power, it pours out 120 watts of incredibly fine sound. Meets the same superb specs as the 388B at left (but without AM) to give you total control of every audio source. Has computer-type pushbutton switches for easy adjustments. Silver-plated front end and integrated-circuit IF's for amazingly sensitive reception of weak or distant FM stations. Size,  $4\frac{1}{2} \times 15\frac{9}{16} \times 12\frac{1}{4}$ ". Optional case below. For 110-120 volts, 60 Hz AC. 13 C 2720 U. Shpg. wt., 25 lbs. \$20 Monthly . . . 449.95 13 C 2733 X. Oiled Walnut Case. Shpg. wt., 8 lbs. . . . 26.95

## UNIVERSITY 120-Watt Silicon Solid-State Stereo Receiver

### Studio "Pro 120" FM Receiver

Super-deluxe receiver has major advancements that set new standards in FM-stereo reception. MOSFET front end picks up distant stations and locks them in without drift. Conservatively rated amplifier pours out 120 watts of IHF power for exciting stereo realism.

Special logic circuit switches to mono FM if interference occurs, switches back to stereo when noise stops. Integrated-circuit IF strips, each with 17 semiconductors, for razor-sharp 55 dB selectivity and capture ratio under 1 dB. Stereo indicator light.

**Response:** +0, -3 dB, 10-100,000 Hz. **FM Separation:** 40 dB. **Inputs:** tape head, mag. phono, aux., monitor. **Outputs:** 4-16 ohms, phones, center-channel.  $4\frac{1}{2} \times 16\frac{1}{2} \times 12$ ". End-panels below. 110-120 V, 60 Hz AC. 13 C 2770 U. 18 lbs. \$18 Monthly . . . 379.50 13 C 2771 X. Walnut End Panels. 6 lbs. Pr. 9.95



Walnut end-panels optional

120 Watts FM  
**\$379<sup>50</sup>**  
\$18 monthly

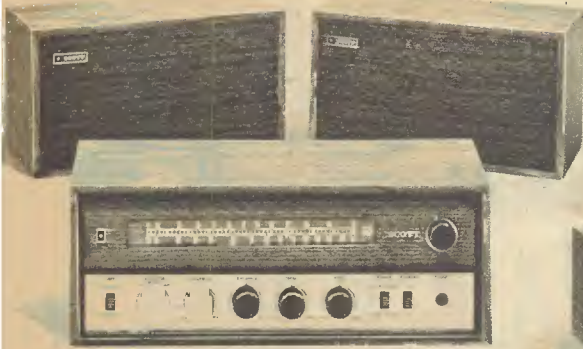
- Automatic-Reset Circuit Breakers
- Center-Channel Meter • Stereo Light
- Between-Station Muting Switch
- Dual Bass and Treble Controls
- High- and Low-Frequency Filters



# SCOTT Solid-State Stereo Components

## RECEIVERS

H. H. SCOTT • EICO



With Speakers **\$199<sup>95</sup>** \$10 monthly

### "Scottie" 12 VDC/110VAC Receiver System

2550. New "Music Maker" stereo FM-AM receiver system operates on 12 VDC in cars, boats or portable, or AC line. Offers features comparable to many more expensive component systems. Automatic stereo switching. Separate tone controls for each channel. Sensitive FET front-end. Integrated circuit preamp and IF strip. Advanced "Full Complementary Output" delivers virtually undistorted sound even at the lowest listening levels.

Includes inputs for tape recorder and magnetic phono. Front panel stereo headphone jack. Complete tape monitoring facilities. Acoustic suspension speaker systems. FM Sensitivity, 2.5  $\mu$ V. Receiver, 5 $\frac{1}{2}$ "x13 $\frac{3}{8}$ "x7 $\frac{1}{4}$ ". Speakers, 7 $\frac{1}{2}$ "x13 $\frac{3}{8}$ "x6 $\frac{3}{4}$ ". For 12 VDC/110 VAC. 13 C 2678 X. Shpg. wt., 30 lbs. \$10 Monthly..... 199.95



With Speakers **\$349<sup>95</sup>**

### Scott 2502 36-Watt FM-AM-Phono Compact

Stereo compact features sensitive FET front-end for thrilling stereo FM realism. All-silicon transistors. Transformerless output for 18-25,000 Hz response. 36 watts IHF. Precision 4-speed automatic turntable with magnetic cartridge. Speaker systems each have 6" woofer, 3" tweeter. Inputs for mike and guitar. 7 $\frac{7}{8}$ "x16 $\frac{3}{4}$ "x15 $\frac{1}{4}$ ". Speakers, 14x8 $\frac{3}{4}$ "x6". Matching walnut veneers. Dust cover, below. 115 VAC. Shpg. wt., 51 lbs.

13 C 0343 L2U. \$17 Monthly..... 349.95  
 2504 Stereo FM-Phono Compact. Same as above, but no AM. Optional dust cover, below. Shpg. wt., 51 lbs.  
 13 C 0339 L2U. \$15 Monthly..... 299.95  
 13 C 2677 X. Plastic Dust Cover. Fits Scott 2502 and 2504 stereo compacts. Shpg. wt., 4 lbs. \$5 Monthly..... 19.95

## EICO Solid-State 70-Watt Stereo Receivers



NEW

### 3770 Stereo FM-AM Receiver

**\$279<sup>95</sup>**

- All-Silicon Circuit
- With Walnut-Grain Metal Case

Quality solid-state FM-AM receiver delivers 70 watts power for thrilling stereo FM and superb AM. Direct-coupled for wide 8-60,000 Hz response. Tuning meter, stereo indicator. Inputs: mag. phono, tape, aux. Outputs: 4-16 ohms, headphones, recorder. With metal case. 4 $\frac{1}{2}$ "x16x9". 115 VAC. 14 lbs.

13 C 2335 U. \$14 Monthly..... 279.95  
 Deluxe Walnut Wood Case. Takes Eico 3770 or 3570 Receiver and has uncut mtg. board for any automatic turntable. Built-in turntable dust cover. (6 $\frac{1}{2}$ "x32 $\frac{1}{2}$ "x14"). 13 C 2336 X. Shpg. wt., 5 lbs..... 39.95



### 3570 Stereo FM Receiver

**\$259<sup>95</sup>**

- All Silicon Circuit
- Hi and Lo Filters
- With Metal Case

Famous Eico model. Fine all-silicon solid-state receiver provides outstanding stereo FM. Powerful 70 watt IHF output (4 ohms) for striking realism. Response, 8-60,000 Hz. Boasts 5 tuned circuits in front end, and 4 double-tuned IF stages for excellent sensitivity and selectivity. Transformerless output for full response. Tuning meter, stereo indicator light, AFC, store-cast filter. Inputs: mag. phono, tape, aux. Outputs: 4-16 ohms, recorder, headphones. Tape monitor. With walnut-grain metal case. 4 $\frac{1}{2}$ "x16x9". 115 VAC. 14 lbs.

13 C 2343 U. \$18 Monthly..... 259.95

SEE PAGES  
476 AND 477

FOR  
EICO STEREO  
COMPONENTS  
IN KIT FORM

Allied Is America's Headquarters for Everything in Stereo Hi-Fi

ALLIED 33



# RECEIVERS

KENWOOD

## KENWOOD Solid-State Stereo Receivers ..Deluxe Features for Fine Performance

**TK-66**  
Stereo FM-AM  
Receiver

**\$239<sup>95</sup>**  
With  
Case

\$12 monthly



### TK-66 60-Watt Stereo FM-AM Receiver

This fine stereo receiver boasts Field-Effect-Transistor front-end, all-silicon amplifier, and other exciting features for superb stereo performance. Highly-selective IF, with 5 stages, 4 limiters and wide-band ratio detector. Automatic FM stereo/mono switching, stereo indicator light, illuminated FM-AM tuning meter, switchable between-station muting. Amplifier offers excellent 20-50,000 Hz response and delivers 60 watts IHF power. Tape monitor, center-channel output, scratch and rumble filters. Automatic circuit breaker protection for power transistors. Low 0.3% IM distortion. FM Separation: 38 dB. Inputs: mag. phono, tape head, tape deck. Outputs: 4-16 ohms (for two sets of stereo speakers, with front-panel switch), stereo headphones, recording. With handsome walnut-finish metal case. For 115 V, 60 Hz AC. 5x16 $\frac{1}{2}$ x12". From Japan. Shpg. wt., 23 lbs. 13 C 2494 U. \$12 Monthly.....239.95

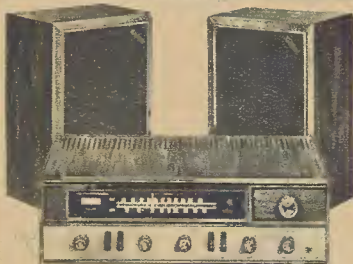


**\$199<sup>95</sup>**  
With  
Case

\$10 monthly

### TK-55 60-Watt Stereo FM Receiver

Similar to Model TK-66, but no AM. Silicon amplifier, FET front-end, automatic stereo/mono switching, circuit breakers, tape monitor, two sets of spkr. outputs. With metal case. 5x16 $\frac{1}{2}$ x12". From Japan. Wt., 20 lbs. 13 C 2442 U. \$10 Monthly.....199.95



### TKS-40X 40-Watt Stereo FM-AM Music System

**\$239<sup>95</sup>**  
With  
Case

\$12 monthly

- Solid-State Receiver
- Two-Speaker Systems
- FET Front-End

Compact music system plays outstanding stereo FM, wideband AM through wide-range speakers. Stereo receiver has 5 IF's, 4 limiters, automatic stereo switching, tuning meter. Silicon output transistors with circuit-breaker protection. Tape monitor. Bass, treble controls. Inputs for magnetic phono, aux., tape. *IHF Output:* 40 watts. *Response:* 20-50,000 Hz.

Speaker systems (16 $\frac{1}{2}$ x10x8") each have 6 $\frac{1}{2}$ " woofer, 2 $\frac{3}{4}$ " tweeter. Walnut veneer. Receiver includes walnut finish metal case, 5x16 $\frac{1}{2}$ x12". 115 VAC. Japan. Wt., 37 $\frac{1}{2}$  lbs. 13 C 0170 L2U. \$12 Monthly. 239.95  
TK-40X Stereo FM-AM Receiver Alone. Shpg. wt., 20 lbs. 13 C 2478 U. \$9 Monthly.....179.95



### TK-140 130-Watt Stereo FM-AM Receiver

**\$339<sup>95</sup>**  
With  
Case

\$16 monthly

- FET Front-End
- Keyboard Switches
- Interstation Muting

Powerful receiver loaded with deluxe extras for superb stereo performance. Field-Effect-Transistor front-end for super-sensitivity. Silicon output transistors for amazingly clean sound. Keyboard-type switches.

Time division stereo FM circuit provides 38 dB channel separation. Automatic stereo switching, between station muting, tuning meter, tape monitor, speaker selector switch (for 2 sets of spkrs.).

*Power Output:* 130 watts IHF at 4 ohms; 100 watts continuous. *Response:*  $\pm$ 2 dB, 20-50,000 Hz. *FM Harmonic Distortion:* 0.6%. *FM Sensitivity:* 2  $\mu$ V IHF. *Inputs:* magnetic and ceramic phono; tape head; recorder. *Outputs:* 4-16 ohms; headphones; tape; center channel output. Walnut-finish metal case. 5 $\frac{1}{2}$ x16 $\frac{1}{2}$ x13 $\frac{1}{4}$ ". 110-120 VAC. Japan. 31 lbs. 13 C 2489 U. \$16 Monthly....339.95



### TK-88 90-Watt Stereo FM-AM Receiver

**\$289<sup>95</sup>**  
With  
Case

\$15 monthly

- Luxurious Styling
- FET Front End
- Interstation Muting

Excellent stereo FM-AM receiver delivers rich stereo sound that will delight even the critical listener. Field-Effect-Transistor front-end for top sensitivity. Has five IF stages, four limiters, and wideband ratio detector. Between-station muting.

Automatic stereo switching, tuning meter, stereo indicator light. Speaker selector switch. Silicon output transistors for fine performance. Tape monitor. Automatic circuit breaker protects output transistors.

*Response:* 20-50,000 Hz. *FM Harmonic Distortion:* 0.6%. *FM Sensitivity:* 2  $\mu$ V IHF. *Inputs:* magnetic phono, tape head, aux. *Outputs:* 4-16 ohms; headphones; tape; center channel for separate mono amplifier. Walnut finish metal case. Size, 5 $\frac{1}{2}$ x16 $\frac{1}{2}$ x13 $\frac{1}{4}$ ". For 110-120 VAC. From Japan. Shpg. wt., 24 lbs. 13 C 2430 U. \$15 Monthly....289.95



# New **SHER OOD** Stereo Receivers With High-Reliability "Micro-Circuits"

## RECEIVERS

SHERWOOD • ADC



Shown in metal case

### S-7800 140-Watt Stereo FM-AM Receiver

**\$419<sup>50</sup>** less case  
\$19 monthly

- NEW Receiver with Micro-Circuits
- FET Front End and Silicon Transistors
- Front-Panel Preamp Level Adjustment

Magnificent receiver boasts all silicon transistors with Field-Effect Transistors in RF and mixer stages plus new "Micro-Circuits" for superb FM. Also quality AM. Tuning meter, between-station muting. Instant output overload protection. Tape monitor. Main/Remote speaker switches. Response:  $\pm 1/2$  dB, 20-20,000 Hz. 1M Dist.: .15%. FM Sensitivity: 1.8  $\mu$ V IHF. Capture Ratio: 2.0 dB.  $4\frac{1}{2} \times 16\frac{1}{2} \times 14"$ . For 117 VAC. Optional case below. Shpg. wt., 27 lbs.

13 C 2447 U. \$19 Monthly. . . . . 419.50  
13 C 2475 X. Walnut Grain Metal Case. Wt., 8 lbs. . . . . 9.00  
13 C 2429 X. Oiled Walnut Wood Case. Wt., 8 lbs. . . . . 28.00



Shown in wood case

### S-8800A 160-Watt Stereo FM Receiver

**\$399<sup>50</sup>** less case  
\$18 monthly

- NEW Receiver with Micro-Circuits
- All-Silicon With FET Front End
- Pushbuttons for Functions

Tremendous power, plus pushbuttons for convenient function selection. A superb receiver offering top convenience . . . designed for the connoisseur. Micro-Circuits and FET's for finest stereo. Tuning meter, automatic FM stereo/mono switching, interstation muting, instant output overload protection. Response:  $\pm 1/2$  dB, 20-20,000 Hz. FM Sensitivity: 1.8  $\mu$ V IHF. Capture Ratio: 2.0 dB.  $4\frac{1}{2} \times 16\frac{1}{2} \times 14"$ . For 117 VAC. Optional case below. Shpg. wt., 27 lbs.

13 C 2453 U. \$18 Monthly. . . . . 399.50  
13 C 2475 X. Walnut Grain Metal Case. Wt., 8 lbs. . . . . 9.00  
13 C 2429 X. Oiled Walnut Wood Case. Wt., 8 lbs. . . . . 28.00



Shown in metal case

### S-7600A 100-Watt Stereo FM-AM Receiver

**\$359<sup>50</sup>** less case  
\$17 monthly

Fine receiver with all-silicon circuit, FET front-end, and new Micro-Circuits for superb stereo FM, excellent AM. Automatic FM stereo-mono switching, tuning meter, between-station muting, tape monitor. Main, remote speaker switch. Stereo headphone jack. Output: 100 watts IHF. Response:  $\pm 1/2$  dB, 20-20,000 Hz. Power Bandwidth: 15-25,000 Hz. FM Sensitivity: 1.8  $\mu$ V.  $4\frac{1}{2} \times 16\frac{1}{2} \times 12"$ . For 117 VAC. Optional case at right. Wt., 22 lbs.

13 C 2458 U. \$17 Monthly. . . . . 359.50



Shown in metal case

### S-8600A 100-Watt Stereo FM Receiver

**\$319<sup>50</sup>** less case  
\$16 Monthly

Latest Sherwood design advancements in a moderately priced receiver. "Micro-Circuits," FET's, silicon transistors—all add up to magnificent stereo and mono FM. Same outstanding specifications as S-7600A at left, but FM only. 100 watts output. Size,  $4\frac{1}{2} \times 16\frac{1}{2} \times 12"$ . For 117 VAC. Optional case below. Shpg. wt., 22 lbs.

13 C 2465 U. \$16 Monthly. . . . . 319.50  
13 C 2428 X. Walnut-Grain Metal Case. 8 lbs. . . . . 9.00  
13 C 2427 X. Oiled Walnut Wood Case. 8 lbs. . . . . 28.00

## ADC 1000 Solid-State 100-Watt Stereo FM Receiver

- "Dio-Matic" Tuning for Instant Pushbutton Selection of Up to Five of Your Favorite Stations
- Slide-Rule Dial for Manual Tuning • FET Front-End

Full-feature receiver provides great performance and unusual operating convenience. "Dio-Matic" pushbutton tuning lets you instantly select any one of five FM stations which you have preset. Slide-rule dial for manual tuning. FET front-end, AFC, center-tuning "S" meter. Main/Remote speaker switch. Output: 100 watts IHF. Response: 20-20,000 Hz. Full controls and inputs.  $5\frac{1}{2} \times 17\frac{1}{2} \times 11"$ . Optional case below. For 115 VAC. Wt., 23 lbs.

13 C 2817 U. \$17 Monthly. . . . . 349.95

Model 1200. Same as above, but also receives AM band. Shpg. wt., 23 lbs. Optional case below.

13 C 2818 U. \$18 Monthly. . . . . 389.50

13 C 2819 X. Walnut Case. Shpg. wt., 7 lbs. . . . . 24.95



FM Model 1000

FM-AM Model 1200

**\$349<sup>95</sup>** less case \$17 monthly

**\$389<sup>50</sup>** less case \$18 monthly

Look to Allied for the Finest Names in Stereo High-Fidelity

ALLIED 35

# COMPACTS

# Harman-Kardon Stereo Compacts

HARMAN-KARDON

**\$449<sup>50</sup>**  
\$20 monthly



## Solid-State 50-Watt Stereo Tape-Phono-FM System

- Built-in Stereoa Cassette Tape Recorder
- 4-Speed Garrard Automatic Record Changer
- Wide-Range Two-Woy Speaker Systems
- Automatic Stereo/Mano FM Switching
- Stereo Indicator Light • Vernier Tuning

Model SC-2520. Most versatile stereo compact ever—offers full tape recording facilities, plus stereo FM and Garrard automatic turntable. Records up to two hours on the widely-acclaimed cassette-type recorder. Has keyboard controls, mono/stereo switch, level meter, mike inputs. Records direct from records, FM; "live" with your own mikes. Controls: bass, treble, balance, loudness. Stereo headphone jack. Switches for main, auxiliary speakers. Garrard automatic turntable with Grado Type B stereo cartridge. Each speaker system has 8" woofer, 3" tweeter. Output: 50 watts IHF.  $\pm 1.5$  dB, 20-30,000 Hz. IHF FM Sensitivity: 2.9  $\mu$ V. FM Separation: 30 dB. Control center,  $8\frac{1}{2} \times 18\frac{1}{4} \times 17\frac{1}{8}$ ". Speakers,  $17\frac{1}{4} \times 11\frac{1}{4} \times 8\frac{1}{4}$ ". Walnut finish. Less mikes. For 117 VAC. Shpg. wt., 75 lbs.

13 C 0350 L2U. \$20 Monthly..... 449.50  
13 C 2132 X. Molded Plastic Dust Cover. Wt., 2 lbs. \$5 Monthly..... 19.95

## Built-in Stereo Tape Cassette Recorder



Records Up to 2 Hours on Fast-Loading Philips-type Cassettes



## 50-Watt Solid-State Stereo FM-Phono System

**\$329<sup>50</sup>**

3-Piece Walnut Ensemble

\$16 monthly

Model 2020. Compact system offers fine stereo performance. Has automatic stereo FM switching with indicator light, vernier tuning, center-channel tuning meter. Garrard 4-speed automatic turntable with cartridge. Automatic shutoff. Full complement of controls includes bass, treble, loudness, speaker and function selector switches. Front-panel stereo headphone jack. FM sensitivity, 2.9  $\mu$ V IHF. Separation, 30 dB.  $\pm 1.5$  dB 30-30,000 Hz. Output, 50 watts IHF.

Each speaker system has 8" woofer, 3" tweeter. Control center,  $8\frac{1}{2} \times 18\frac{1}{4} \times 17\frac{1}{8}$ ". Speaker systems,  $17\frac{1}{4} \times 11\frac{1}{4} \times 8\frac{1}{4}$ " each. Oiled walnut. 117 VAC. 70 lbs.

13 C 0352 L2U. \$16 Mo.... 329.50

13 C 0351 L2U. Model 2320. Above, plus AM. Wt., 70 lbs..... 359.50

13 C 2132 X. Molded Plastic Dust Cover. For 2020 or 2320. 2 lbs... 19.95



## New 60-Watt Stereo FM-AM-Phono System

**\$499<sup>50</sup>**

- Advanced Solid-State Design with MOSFET's and Integrated Circuits
- Dual 1009SK Automatic Turntable

\$21 monthly

Model SC740. Harman-Kardon's finest stereo compact. Integrated micro-circuit IF strip and MOSFET FM and AM front ends provide superb reception. Automatic stereo FM switching, indicator light. Zero-center FM tuning meter. Tape monitor. Main/remote speaker switch. Balance control. Stereo headphone jack. Dual 1009SK 4-speed automatic turntable with magnetic cartridge. Speaker systems each have 10" woofer, 3 $\frac{1}{2}$ " tweeter. IHF output, 60 watts.  $\pm 1.5$  dB, 8-45,000 Hz. FM sensitivity, 2.5  $\mu$ V IHF. Oiled walnut. Control center,  $10 \times 18 \times 18\frac{1}{2}$ ". Speakers,  $22\frac{1}{8} \times 12\frac{1}{8} \times 10\frac{1}{8}$ " each. 117 VAC.

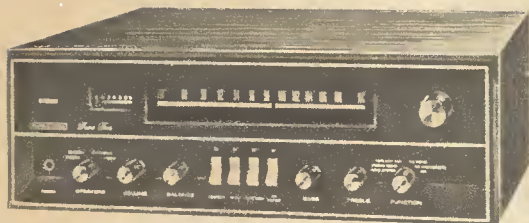
13 C 0373 L3 U. Wt., 104 lbs. \$21 Monthly..... 499.50

13 C 2156 X. Molded Plastic Dust Cover. 2 lbs..... 19.95



# Harman-Kardon Superb-Quality Solid-State Stereo Receivers

**RECEIVERS**  
HARMAN-KARDON  
ELECTRO-VOICE



**Model 520 70-Watt Stereo FM Receiver**

**\$269<sup>00</sup>**  
less case  
\$14 monthly

- MOSFET Tuner Front-End • Tape Monitor
- Integrated Circuit IF • FM Muting
- Front-Panel Main/Remote Speaker Switch

Thrilling stereo FM realism. Superb styling—dial disappears when receiver is turned off. Metal oxide silicon field-effect-transistor (MOSFET) FM front end for excellent stereo even in fringe areas. Integrated circuit IF section. Stereo indicator light, tape monitor, headphone jack. *Output:* 70 watts IHF. *Response:* ±1 dB, 8-40,000 Hz at full power. *Harmonic Distortion:* under 1%. *Sensitivity:* 1.95  $\mu$ V.  $4\frac{3}{4} \times 15\frac{1}{16} \times 12\frac{1}{4}$ ". For 110-120 V, 60 Hz AC. Optional case below. Shpg. wt., 21 lbs.

13 C 2195 U. \$14 Monthly..... 269.00

Model 530 FM-AM Receiver. Same as above, but also receives AM. Shpg. wt., 21 lbs.

13 C 2196 U. \$15 Monthly..... 299.00

13 C 2198 X. Oiled Walnut Wood Case. Wt., 6 lbs..... 29.95



**Model 200 50-Watt Stereo FM Receiver**

**\$215<sup>00</sup>**  
less case  
\$11 monthly

- MOSFET Front End • Tuning Meter
- Automatic FM Stereo/Mono Switching
- Front-Panel Stereo Headphone Jack

Luxurious styling and exciting stereo FM reception at a surprisingly low price. Features latest MOSFET (metal-oxide silicon field-effect transistor) front end. Also has tape monitor, stereo headphone jack, tuning meter, automatic stereo/mono FM switching with stereo indicator light. *Output:* 50 watts IHF. *Response:* ±1 dB, 10-23,000 Hz at full power. *FM Sensitivity:* 2.7  $\mu$ V IHF. *Stereo Separation:* 30 dB.  $4\frac{1}{2} \times 14\frac{3}{4} \times 13\frac{1}{4}$ ". Optional case below. For 110-120 V, 60 Hz AC. Wt., 20 lbs.

13 C 2177 U. \$11 Monthly..... 215.00

Model 210 FM-AM Stereo Receiver. Same as above, but also receives AM. Shpg. wt., 20 lbs.

13 C 2174 U. \$13 Monthly..... 245.00

13 C 2168 X. Oiled Walnut Wood Case. Wt., 6 lbs..... 21.20

## New Solid-State Receivers by Electro-Voice

**NEW**  
at **ALLIED**

**1181 40-Watt Stereo FM Receiver**

Full-feature receiver at a remarkably low price. FET front-end, integrated circuit IF strip, plug-in modular circuitry. Mono-stereo switch combined with balance control. Indicator lights show input selected. Tape, headphone outputs. *Output:* 40 watts IHF at 8 ohms. *Bandwidth:* 20-30,000 Hz. *FM Sensitivity:* 2.5  $\mu$ V IHF. *Capture Ratio:* 2 dB.  $3\frac{3}{4} \times 14\frac{3}{4} \times 10\frac{1}{4}$ ". Optional case below. 117 VAC. 16 lbs.

13 C 2805 U. \$9 Monthly..... 179.95

Model 1182 FM-AM Stereo Receiver. Above, but also receives AM. Wt., 17 lbs.

13 C 2806 U. \$10 Monthly..... 199.80

13 C 2807 X. CWR-1 Walnut Case. 7 lbs... 16.95

**1281 60-Watt Stereo FM Receiver**

Deluxe high-power receiver at a moderate price. Boasts FET front end, integrated circuit IF, silicon output circuit. Main/remote speaker switch. Tape monitor. Indicator light shows input in use. Headphone jack. *Output:* 60 watts IHF at 8 ohms. *Power Bandwidth:* 20-30,000 Hz. *FM Sensitivity:* 2.5  $\mu$ V IHF. *Capture Ratio:* 2 dB.  $3\frac{3}{4} \times 14\frac{3}{4} \times 10\frac{1}{4}$ ". Optional case below. For 117 VAC. Wt., 18 lbs.

13 C 2808 U. \$11 Monthly..... 219.60

Model 1282 Stereo FM-AM Receiver. Above, but also receives AM. Wt., 19 lbs.

13 C 2809 U. \$12 Monthly..... 239.40

13 C 2807 X. CWR-1 Walnut Case. 7 lbs... 16.95



**\$179<sup>95</sup>**  
less case  
\$9 monthly

- Sensitive Field-Effect-Transistor Front-End
- Direct-Coupled All-Silicon Amplifier Section
- Integrated Circuit IF • Zero-Center Tuning Meter



**\$219<sup>60</sup>**  
less case  
\$11 monthly

- FET Front-End • Integrated Circuit IF Strip
- Plug-in Modular Circuitry for Top Dependability
- Main/Remote Speaker Switch • Tape Monitor

# RECEIVERS

# Deluxe Solid-State Receivers

SELECTED BRANDS



Shown in wood case

**Bogen RX-200 120-Watt Stereo FM-AM Receiver**

**\$329<sup>95</sup>**  
Metal Case

- FET FM Front-End
- All-Silicon Circuit
- Inter-station Hush

\$16 monthly

Bogen's most powerful receiver. Has sensitive FET front-end, between-station silencing, automatic stereo FM switching. All-silicon modular circuit. Pushbutton selector. Tuning meter. Tape monitor. Main/remote speaker selector switch. Full array of controls and inputs for all sources. Headphone jack. *Power:* 120 watts IHF. *Response:*  $\pm 1$  dB, 10-35,000 Hz. *Harmonic Distortion:* 0.2% at full power. *FM Sensitivity:* 2.0  $\mu$ V.  $4\frac{3}{4} \times 16 \times 15\frac{1}{2}$ ". With metal case; wood case below. For 117 VAC. Wt., 32 lbs.

13 C 2802 U. \$16 Monthly..... 329.95  
13 C 2585 X. WE13 Oiled Walnut Wood Case. Shpg. wt., 7 lbs..... 29.95



Shown in wood case

**Bogen RX-150 75-Watt Stereo FM-AM Receiver**

**\$269<sup>95</sup>**  
Metal Case

- FET FM Front-End
- All-Silicon Circuit
- Tuning Meter

\$14 monthly

Outstanding receiver at a moderate price. Boasts FET FM front-end, AGC on AM for superb reception. All-silicon circuitry. Automatic stereo FM switching with indicator light, Tuning meter. Four-position speaker switch. Baxandall tone control circuit. Scratch filter, full complement of controls, inputs for all sources. *Power:* 75 watts IHF. *Response:*  $\pm 1$  dB, 20-30,000 Hz. *Harmonic Dist.:* under 0.5%. *FM Sensitivity:* 2.7  $\mu$ V.  $4\frac{1}{2} \times 16 \times 12\frac{1}{2}$ ". With metal case; wood case below. 117 VAC. 19 lbs.

13 C 2810 U. \$14 Monthly..... 269.95  
13 C 2811 X. WE16 Oiled Walnut Wood Case. Shpg. wt., 7 lbs..... 24.95



**Marantz 18 80-Watt Stereo FM Receiver**

**\$695<sup>00</sup>**  
less case

- Built-in Oscilloscope for Perfect Tuning
- Professional Quality

\$29 monthly

Magnificent receiver, engineered to satisfy the exacting audiophile and professional user. Oscilloscope tuning indicator shows multipath. Passive RF circuit eliminates distortion from strong stations. Tape monitor. Inputs, outputs for all sources. *Power:* 80 watts rms. *Response:*  $\pm 1$  dB, 15-30,000 Hz. *Harmonic Distortion:* 0.1%. *FM Sensitivity:* 2.5  $\mu$ V. *Channel Separation:* 45 dB.  $6 \times 18\frac{1}{4} \times 16\frac{1}{2}$ ". For 117 VAC. Optional case below. 40 lbs.

13 C 2260 U. \$29 Monthly. 695.00  
13 C 2261 X. Oiled Walnut Wood Case. Shpg. wt., 11 lbs..... 39.50



NEW  
at ALLIED

**Pioneer SX-1500T Feature-Packed 170-Watt Stereo FM-AM Receiver**

**\$345<sup>00</sup>**

- Field-Effect-Transistor FM Front-End
- Four Integrated Circuits in IF
- Tape Monitor • Silican Output Circuit
- Tuning Meter • Stereo Indicator Light

\$17 monthly

Extraordinary receiver has performance and features to please the most critical audiophile. FET FM front-end and integrated-circuit IF provide a remarkable capture ratio of 1 dB. Has time switching multiplex circuit, between-station silencing. High and low filters. Front panel switch for 2 magnetic phono inputs. Tape head input equalized for  $3\frac{3}{4}$ ,  $7\frac{1}{2}$  ips. Switch for main, remote speakers, stereo headphone jack. *Power:* 170 watts IHF at 4 ohms. *Response:*  $\pm 1$  dB, 20-70,000 Hz. *Harmonic Dist.:* under 0.1%. *FM Sensitivity:* 1.7  $\mu$ V. *Separation:* 37 dB.  $5\frac{1}{2} \times 15\frac{1}{4} \times 13\frac{3}{4}$ ". Walnut end-panels. 117 VAC. Japan. Shpg. wt., 29 lbs.

13 C 2812 U. \$17 Monthly..... 345.00



NEW  
at ALLIED

**Telmar 20-Watt Stereo FM-AM-Phono System with Garrard "30"**

**\$159<sup>30</sup>**

- Solid-State • Walnut Finish Cabinets
- Garrard Automatic Turntable

\$8 monthly

*Separately, \$184.40. FAX 88 Receiver has pushbutton selector for FM-AM-Phono, Tape. Tuning meter, stereo indicator light, tape output. 20 watts IHF output. 25-30,000 Hz. FM sensitivity, 2  $\mu$ V. Bass, treble, balance controls. FM-AM antennas. Garrard 30 4-Speed Automatic Turntable with cartridge, base. Speaker Systems each have 5" woofer, 2 $\frac{1}{2}$ " tweeter. Receiver,  $11 \times 6\frac{1}{4} \times 7$ ". Speaker systems,  $11 \times 6\frac{1}{4} \times 7$ ". Turntable,  $14\frac{1}{6} \times 12\frac{3}{4}$ ". For 117 VAC. 39 $\frac{1}{4}$  lbs.*

13 C 0353 L2U. \$8 Monthly..... 159.30  
13 C 2045 U. System Without Turntable. 29 lbs..... 139.95



# Deluxe Solid-State Stereo Music Systems Featuring Fisher and Kenwood Receivers

HI-FI MANAGER'S  
SYSTEMS

## Value-Priced Fisher 160-T 40-Watt Stereo FM-Phono Music System

Separately, \$324.25. A complete stereo music system for the price you would normally expect to pay for a Fisher-quality receiver *alone!* Delivers exciting lifelike stereo performance combined with unsurpassed convenience of operation.

Features Fisher 160-T Solid-State 40-Watt Stereo FM Receiver with total control over all audio sources. "Tune-O-Matic" pushbuttons let you instantly select any one of five easily preset stations or tune manually if you wish. Has sensitive FET front-end plus integrated circuit IF stage. Sculptured walnut sides—needs no optional cabinet.

Garrard 40 MK II 4-Speed Automatic Turntable with Base. Automatic or manual operation. Pickering V15/AC-3 Stereo Cartridge with diamond stylus. Two Allied 3002 Two-Way Walnut Speaker Systems. Each has an 8" woofer, 3½" tweeter. With all cables, hi-fi booklet. Shpg. wt., 64 lbs.  
13 C 0428 D5U. \$14 Monthly.....274.50

Save  
\$49.75

\$274<sup>50</sup>

\$14 monthly



## Superb Fisher 175-T 65-Watt Stereo FM-AM-Phono System

Separately, \$424.25. Outstanding stereo system boasts premium-quality components at big savings. Specially selected by our Hi-Fi Manager to provide true-to-life realism of stereo FM and phono, plus crystal-clear, wideband AM reception.

Fisher 175-T Solid-State 65-Watt Stereo FM-AM Receiver. Has FET's in FM front end and two integrated circuits in IF stage. AM has dual detector to prevent distortion. Transformerless silicon output circuit. Controls, inputs, outputs for all stereo and mono sources. Order walnut case below.

Garrard SL55 4-Speed Automatic Turntable with Base. Synchro-Lab motor. Cuing lever. With two spindles, automatic or manual operation. Empire 808E Stereo Cartridge with elliptical diamond stylus. Two Allied 3005A 3-Way Walnut Speaker Systems with 10" woofer, 6" midrange, 3½" tweeter. With cables, hi-fi booklet. Shpg. wt., 75 lbs.  
13 C 0429 D5U. \$17 Monthly.....349.20  
13 C 2538 X. Walnut Receiver Case. Wt., 8 lbs.. 19.95

Save  
\$75.05

\$349<sup>20</sup>  
less case

\$17 monthly



## Powerful Kenwood TK-66 60-Watt Stereo FM-AM-Phono Music System

Separately, \$444.25. Dazzling stereo performance is yours with this outstanding stereo system. Selected by our Hi-Fi Manager to deliver connoisseur-quality performance and big savings.

Kenwood-TK-66 Solid-State 60-Watt Stereo FM-AM Receiver is packed with up-to-the-minute features. FET FM front-end, between-station muting, silicon output transistors, automatic stereo/mono FM switching, scratch and rumble filters. Full controls and inputs for all stereo sources. Complete with walnut finish metal case.

Garrard SL65 Four-Speed Synchro-Lab Automatic Turntable with Base. Has cuing lever, anti-skate compensation. Automatic or manual operation. Shure M93E Stereo Cartridge with elliptical diamond stylus. Two Allied 3005A 3-Way Walnut Speaker Systems with 10" woofer, 6" midrange, 3½" tweeter. With cables, hi-fi booklet. Shpg. wt., 82 lbs.  
13 C 0430 D5U. \$17 Monthly.....369.00

Save  
\$75.25

\$369<sup>00</sup>

\$17 monthly



Buy a Component System Now with an Allied Credit Fund Account

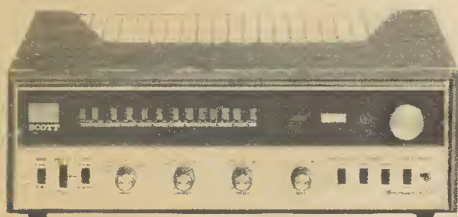
ALLIED 39



# HI-FI MANAGER'S SYSTEMS

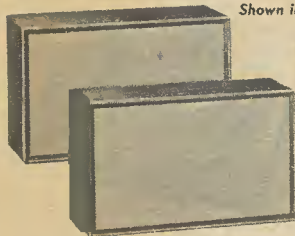
# Solid-State Stereo Systems

FEATURING SCOTT AND FISHER RECEIVERS



Save  
\$100.05  
**\$409.25** less case  
\$19 monthly

Shown in wood case



## Scott 342B 65-Watt Stereo FM-Phono System

Separately, \$509.30. System offers superb stereo sound at great savings. Scott 342B 65-Watt Solid-State Stereo FM Receiver has FET front-end, superb response. Garrard SL65 Synchro-Lab Automatic Turntable with ultra-precision speeds. With base. Empire 888E Stereo Elliptical Cartridge. Two Allied 30308 Walnut Speaker Systems have 12" woofer, 6" mid-range, 3 1/2" tweeter. With cables, hi-fi booklet. Order receiver case below. Wt., 88 lbs.  
13 C 0419 D5U. \$19 Monthly..... 409.25

Cases for 342B or 382B Receivers.  
13 C 2001 X. Metal Case. Wt., 5 lbs..... 12.50  
13 C 2040 X. Oiled Walnut Case. Wt., 6 lbs..... 20.82

### Above System with FM-AM Receiver



Separately, \$544.30. Scott 382B Receiver instead of 342B, plus other components above. Case above.

Save \$100.05 **\$444.25** 13 C 0420 D5U. Wt., 88 lbs. \$19 Monthly... 444.25



Save  
\$136.05  
**\$479.20** less case  
\$20 monthly



## Fisher 250T 100-W. Stereo FM-AM-Phono System

Separately, \$615.25. Big savings on a top quality system specially selected by our Hi-Fi Manager for extraordinary value and performance. Provides thrilling stereo music reproduction to satisfy the most critical audiophile.

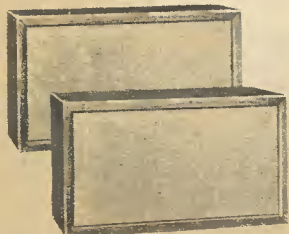
Fisher 250T 100-Watt Solid-State Stereo FM-AM Receiver has Field-Effect-Transistors and integrated circuits for superior FM reception, plus wideband AM. "Tune-O-Matic" pushbutton FM tuning for instant selection of up to five preset stations; manual tuning too. Garrard SL75 Automatic Turntable has Synchro-Lab motor for perfect speed. Has low-mass pickup arm with adjustable counterweight and stylus adjustment, cueing control, full 12" turntable with base. Pickering XV15/AME Stereo Elliptical Cartridge is complete with stylus brush.

Two Allied 2330A Oiled Walnut Speaker Systems with 12" woofer, 8" midrange, 3 1/2" tweeter. Frequency response from 30-18,000 Hz. System is complete with all cables, and hi-fi booklet. Order receiver case below. Sbgg. wt., 103 lbs.

13 C 0431 D5U. \$20 Monthly..... 479.20  
13 C 2538 X. Walnut Case. Wt., 8 lbs..... 19.95



Save  
\$126.05  
**\$669.20** less case  
\$26 monthly



## Scott 348B 120-Watt Stereo FM-Phono System

Separately, \$795.25. Connoisseur-quality system for magnificent stereo. Scott 348B Solid-State Stereo FM Receiver is Scott's finest, most powerful FM receiver. Provides complete audio mastery of every stereo and mono source. Garrard SL95 Synchro-Lab Automatic Turntable is the finest Garrard made. With base. Empire 888TE Stereo Elliptical Cartridge. Two Allied 2260A Oiled Walnut Speaker Systems have 12" woofer, 8" midrange, and compression born-loaded tweeter. With cables, hi-fi booklet. Order receiver case below. Wt., 123 lbs.

13 C 0421 D5U. \$26 Monthly..... 669.20  
13 C 2733 X. Walnut Case. 348B, 388B. 8 lbs... 26.95

### Above System with FM-AM Receiver



Scott 388B, same features of 348B, plus AM. Includes other components above. Case above.

Save \$131.05 **\$689.20** 13 C 0422 D5U. Wt., 122 lbs. \$29 Monthly... 689.20



# Selected by Our Hi-Fi Manager

FEATURING SHERWOOD AND EICO RECEIVERS

## HI-FI MANAGER'S SYSTEMS

### Sherwood S-8800A 160-W Stereo FM-Phono System

Separately, \$824.80. Super-value system delivers stereo with breathtaking concert-hall realism—saves you \$205.30 off cost of components purchased separately. Sherwood S-8800A Silicon Solid-State 160-Watt Stereo FM Receiver provides powerful distortion-free sound. Has micro-circuits and Field-Effect-Transistors for finest stereo, pushbuttons for instant selection of your favorite FM stations, between-station muting. Order case below.

Garrard SL95 Synchro-Lab Automatic Turntable with precision Synchro-Lab motor. Has 12" aluminum platter, counter-balanced wooden arm, cueing and pause lever, anti-skate compensation. Automatic or manual operation. 2 spindles. With base. Shure M91E Sterea Cartridge with elliptical diamond stylus.

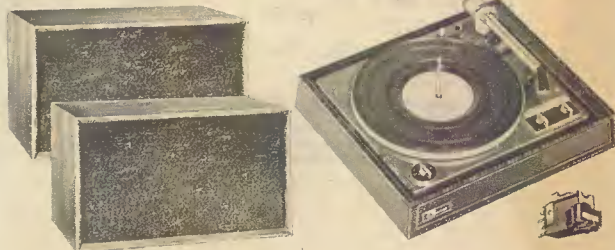
Two Allied 2370 3-Way 12" Speaker Systems. Each has woofer, compression-type midrange, and tweeter. Oiled walnut finish. With cables and hi-fi booklet. Shpg. wt., 145 lbs.

13 C 0423 D5U. \$26 Monthly..... 619.50  
13 C 2475 X. Walnut Grain Metal Case. 8 lbs.... 9.00  
13 C 2429 X. Oiled Walnut Wood Case. 8 lbs... 28.00

Save  
**\$205.30**  
**\$619.50** less case  
\$26 monthly



Shown in wood case

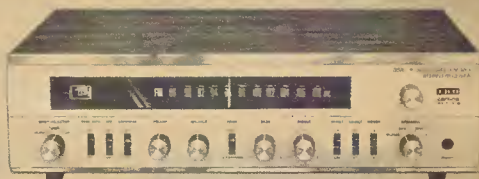


### Eico Cortina 70-W. Stereo FM-Phono System

Separately, \$514.25. For the hard-to-please music lover on a budget. Assembled Eico "Cortina" Series 3570 Silican Solid-State 70-Watt Stereo FM Receiver delivers outstanding stereo FM, has controls and inputs for all sources. With walnut-finish metal case. Garrard SL65 4-Speed Synchro-Lab Automatic Turntable. Automatic or manual operation. With base. Empire 888E Stereo Cartridge with elliptical diamond stylus. Two Allied 3030B 3-Way Walnut Speaker Systems. 12" woofer, 6" midrange, 3 1/2" tweeter. 5000-17,000 Hz response. Assembled. With cables, hi-fi booklet. Shpg. wt., 86 lbs.

13 C 0424 D5U. \$17 Monthly..... 379.20

Save  
**\$135.05**  
**\$379.20** with case  
\$17 monthly



### Eico Cortina 70-Watt System in Kit Form

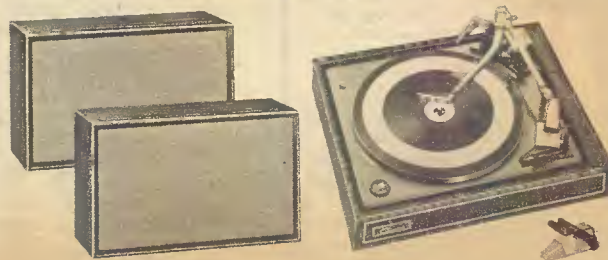
Save Separately, \$394.25. Above, except Eico 3570K Receiver and Allied 3030BK Speaker Systems in money-saving kit form. Wt., 88 lbs.  
**\$85.05**  
**\$309.20** 13 C 0425 D5U. \$15 Monthly.. 309.20

### Eico Cortina 70-W. Stereo FM-AM-Phono System

Separately, \$534.25. Offers outstanding performance at a moderate price. Assembled Eico "Cortina" 70-Watt Silicon Solid-State Stereo FM-AM 3770 Receiver. Offers exceptional stereo FM plus wideband AM. Fully assembled—ready to plug in and play. With walnut-finish metal case. Garrard SL65 4-Speed Synchro-Lab Automatic Turntable. Automatic or manual operation. With base. Empire 888E Stereo Cartridge with elliptical diamond stylus. Two Allied 3030B 3-Way Walnut Speaker Systems. Each has 12" woofer, 6" midrange, 3 1/2" tweeter. With all cables, hi-fi booklet. Wt., 88 lbs.

13 C 0426 D5U. \$18 Monthly..... 399.95

Save  
**\$134.30**  
**\$399.95** with case  
\$18 monthly



### Eico Cortina 70-Watt FM-AM System in Kit Form

Save Separately, \$414.25. Above, except Eico 3770K Receiver Kit and Allied 3030BK Speaker Systems in money-saving kit form. Wt., 88 lbs.  
**\$84.30**  
**\$329.95** 13 C 0427 D5U. \$16 Monthly.. 329.95

Enjoy the Superior Sound of Component Stereo

ALLIED 41

# Superb Selection of Stereo Amplifiers

## FAMOUS-NAME AMPLIFIERS

This catalog gives you the best selection of name-brand stereo amplifiers available. Each is a fine value, each can serve as the heart of a quality component stereo system.

8 Pages of Most-Wanted Brands  
 ALLIED • AR • BOGEN • DYNA • EICO  
 ELECTRO-VOICE • FISHER • KENWOOD  
 MARANTZ • MARTEL • SCOTT • SHERWOOD



Shown in wood case



## ALLIED 935 32-Watt Stereo Amplifier

**\$69<sup>95</sup>**  
 With Metal Case  
**\$5 monthly**

- Equalized Magnetic Phono, Ceramic Phono and Tape Inputs plus Tuner, High and Low Level Auxiliary Inputs
- 64-Watt Peak Power; 32-Watt IHF Power Output
- Sierra Gold Extruded Front Panel with Machined Knobs

This full-feature stereo amplifier actually outperforms all others in its price class. Offers thrilling, lifelike stereo at a budget-pleasing price. Delivers 64 watts peak stereo output (32 watts IHF dynamic power output) for rich and powerful bass, smooth, full midrange and sparkling, crystal-clear highs. Provides a wide array of controls, inputs and outputs for complete mastery of every music source and application. Dual concentric volume controls let you adjust channels together or separately.


Has front-panel stereo headphone jack for full-volume listening without disturbing others. Boasts sturdy mechanical construction featuring a beautifully-styled Sierra Gold  $\frac{3}{16}$ "-thick extruded aluminum front panel with machined knobs. Rocker switches offer easy fingertip control. Seven tube, 4-diode circuit.  $4\frac{3}{4} \times 13\frac{3}{4} \times 9\frac{3}{4}$ ". With brown metal case; wood case below. For 110-127 V, 60Hz AC. From Japan. Shpg. wt., 22 lbs.


14 C 5525 U. \$5 Monthly..... **69.95**  
 14 C 5005 X. Oiled Walnut Wood Case. Shpg. wt., 5 lbs..... **12.95**


### MODEL 935 SPECIFICATIONS

**Power Output:** 64 watts peak; 32 watts IHF, 16 per channel. 12 watts per channel rms. **Frequency Response:**  $\pm 2$  dB, 20-30,000 Hz. **Harmonic Distortion:** 1% at rated output. **Hum and Noise:** Mag. Phono, -55 dB, Aux., -70 dB. **Inputs:** Magnetic Phono; Tuner; Ceramic or High-Level Auxiliary; Low-Level Auxiliary; Tape Recorder. **Sensitivity:** Magnetic Phono, 2.3 millivolts. **Outputs:** 8 or 16 ohms per channel; Stereo Headphone Jack; Recorder; Tape and Source Monitoring. **Two AC Convenience Outlets;** one switched by amplifier.

### DELUXE FEATURES

**VOLUME**  
 FRONT LT REAR RT  
  
**Concentric Volume Control Adjusts Channels Together or Individually**

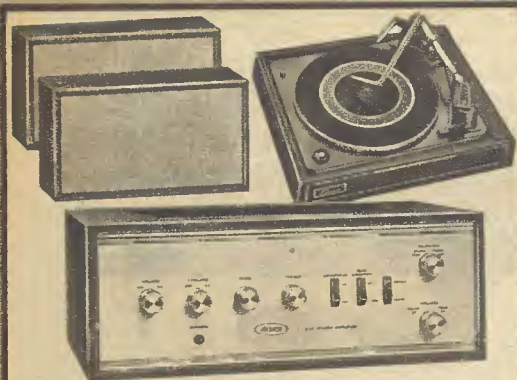
**TAPE MONITOR**  
  
**Monitor Switch to Compare Tape with Program Source With 3-Head Deck**

**PHONES**  
  
**Front-Panel Stereo Headphone Jack for Personal Listening**



# Save on Hi-Fi Manager's Selected Systems

MUSIC SYSTEMS FEATURING **ALLIED** 935 STEREO AMPLIFIER



## Deluxe 32-Watt Stereo Phono System

Save **\$48.85** **\$199.95** With Metal Case Separately **\$248.80**

Great value in a quality music system at a savings of \$48.85 off the cost of components purchased separately. Featuring the Allied 935 32-Watt Stereo Amplifier with metal case (optional walnut case on facing page); famous Garrard SL55 Automatic Turntable with Base boasts perfectly constant speed. Four speeds, automatic or manual operation. Shure M44E Stereo Elliptical Cartridge; and Two Allied 3005A 3-Way 10" Oiled Walnut Speaker Systems. Cables, booklet.  
14 C 0281 D5U. 80 lbs. \$10 Monthly. . . . . 199.95



Matched Components  
Bring You the Best  
Possible Sterea Sound

## Budget-Priced 32-Watt Stereo Phono System Featuring the Allied 935 Stereo Amplifier

Save **\$49.30** **\$149.95** With Metal Case Separately **\$199.25**  
\$8 monthly

- Delivers 64-Watt Peak Power Output for Thrilling Sterea
- Turntable Plays Stack Automatically or Single Records Manually
- Speaker Systems Have 8" Woofer, Direct-Radiator 3 1/2" Tweeter

Specially selected by Allied's Hi-Fi Manager for the value conscious music lover, this performance-matched ensemble offers excellent stereo music reproduction at a savings of \$49.30 from the cost of the components purchased separately.

Allied Madel 935 32-Watt Stereo Amplifier produces 64 watts of peak power output. Delivers your favorite music with absolute purity. Full array of controls and inputs accommodate every program source. Front-panel stereo headphone jack. With metal case (optional walnut case on facing page).

Popular Garrard 40 MK II 4-Speed Automatic Turntable with Walnut Base is precision-made for fine performance. Plays record stacks automatically or single records manually. Boasts silent 4-pole motor; automatic intermix; weighted, oversize platter; counterbalanced pickup arm. Pickering V15/ACE-3 Sterea Elliptical Diamond Stylus Cartridge provides excellent channel separation aud wide frequency range.

Two Allied 3002 Two-Way 8" Shelf Speaker Systems each have an 8" woofer and direct-radiator 3 1/2" tweeter for lifelike stereo reproduction. Produces mellow bass down to 50 Hz, clean, brilliant highs to 15,000 Hz. Enclosures are finished in beautiful oiled walnut veneer. Complete with Allied's System Extras—cables, hi-fi booklet. Shpg. wt., 71 lbs.  
14 C 0087 D5U. \$8 Monthly. . . . . 149.95



## Finest 32-Watt Stereo Phono System

Save **\$94.30** **\$229.95** With Metal Case Separately **\$324.25**

Outstanding stereo phono system offers top performance plus a savings of \$94.30 off the cost of components separately. Includes the Allied 935 32-Watt Stereo Amplifier with metal case (optional walnut case on facing page); Garrard SL65 4-Speed Automatic Turntable with Base and Empire 888E Sterea Elliptical Cartridge; two Allied 3030B 3-Way 12" Speaker Systems assembled and finished in oiled walnut. Cables, booklet.  
14 C 0086 D5U. 96 lbs. \$12 Monthly. . . . . 229.95

Order Your Stereo System Now—Use Your Allied Credit Fund Plan

ALLIED 43

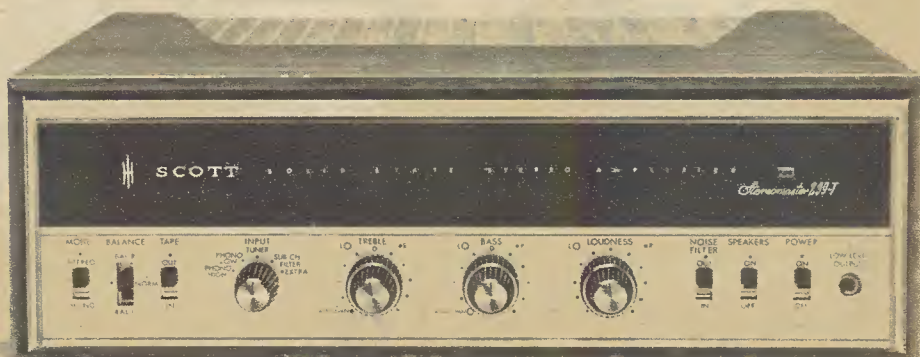
# AMPLIFIERS

H. H. SCOTT

## Special Value! Famous SCOTT 65-Watt Silicon Solid-State Stereo Amplifier

**ALLIED  
SPECIAL  
PURCHASE**

Shown in  
wood case



Famous Allied Value

**\$149<sup>95</sup>**  
less  
case  
**\$8 monthly**

**Deluxe 299T 65-Watt Solid-State Stereo Amplifier**

- Superb Scott Amplifier at An Exciting Low Special-Purchase Price
- All-Silicon-Transistors for Finest Sound and Extra Reliability
- Direct-Coupled Transformerless Output Circuit for Widest Response
- Full Array of Inputs and Controls for Command of All Music Sources

Superb Scott all-silicon-transistor amplifier at a remarkably low special-purchase price made possible by Allied's volume purchasing power. Direct-coupled transformerless output circuit delivers 65 watts of power across the full audio spectrum for brilliant stereo hi-fi.

Preamp has all controls and inputs necessary for complete mastery of every stereo source. Dual clutch-type bass and treble controls let you adjust channels individually or in combination. Dual clutch-type loudness compensator assures full-range reproduction even at low volume levels. Speaker switch selects main, remote or off. Tape monitor. Scratch filter. Stereo/mono mode switch. Front-panel stereo headphone jack. Pilot light.

*Power Output:* 32.5 watts IHF (at 4 ohms) per channel; 18 watts rms. *Frequency Response:* ±1 dB, 18-25,000 Hz. *Harmonic Distortion:* 0.8% *Hum and Noise:* Magnetic Phono, -55 dB. *Power Bandwidth:* 25-20,000 Hz. *Inputs:* magnetic phono, tape head, tuner, auxiliary.

*Outputs:* 4, 8, 16 ohms; stereo headphone jack; tape recording jack. Black and vinyl finish chassis enclosure, handsome brushed brass front panel. Optional case below. Size, 5¼x15½x12" deep. For 110-120 volts, 60 Hz AC. Shpg. wt., 12 lbs.

13 C 2730 U. \$8 Monthly. . . . . 149.95  
13 C 2001 X. Simulated, Leather Metal Case. 5 lbs. . . . . 11.85  
13 C 2040 X. Deluxe Oiled Walnut Wood Case. 6 lbs. 20.82

## Stereo Phono Systems Featuring Scott 299T Amplifier

**\$269<sup>60</sup>**  
\$13 monthly  
**Save \$54.65**

**\$299<sup>00</sup>**  
\$15 monthly  
**Save \$95.25**

Matched Systems Offering  
Fine Stereo Performance  
at Money-Saving Prices

### Value-Priced 65-Watt Stereo Phono System

Separately, \$324.25. Premium-quality components for great stereo. Scott 299T 65-Watt Solid-State Stereo Amplifier (optional case above); Garrard Synchro-Lab SL55 4-Speed Automatic Turntable with Base; Empire 808E Stereo Elliptical Cartridge; two Allied 3005A Three-Way 10" Walnut Speaker Systems. With cables, hi-fi booklet.  
13 C 0390 D5U. Shpg. wt., 69 lbs. \$18 Monthly. . . . 269.60

### Deluxe 65-Watt Stereo Phono System

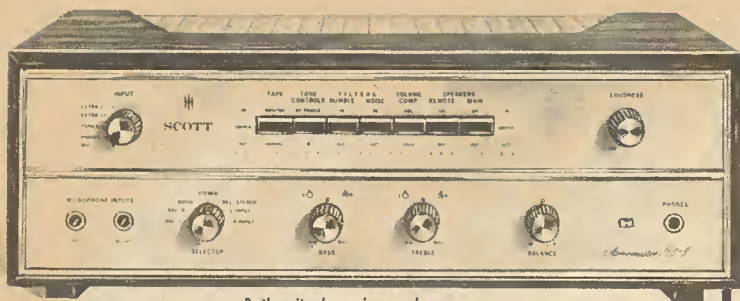
Separately, \$394.25. Deluxe components deliver thrilling stereo. Scott 299T 65-Watt Solid-State Stereo Amplifier (optional case above); Garrard Synchro-Lab SL65 4-Speed Automatic Turntable with Base; Pickering V15/ATE-3 Stereo Elliptical Cartridge; two Allied 3030B Three-Way 12" Walnut Speaker Systems. With cables, hi-fi booklet.  
13 C 0395 D5U. Shpg. wt., 86 lbs. \$15 Monthly. . . . 299.00



# SCOTT Solid-State Stereo Amplifiers

## AMPLIFIERS

H. H. SCOTT



Both units shown in wood case



**A**  
Scott 260B  
120-Watt  
Amplifier

**\$287<sup>95</sup>**  
less  
case  
\$15 monthly

**IMPORTANT**  
See Page 473  
for Scott 120-Watt  
Amplifier Kit

**B**  
Scott 299F  
65-Watt  
Amplifier

**\$179<sup>95</sup>**  
less  
case  
\$9 monthly

### **A** Scott 260B 120-Watt Stereo Amplifier

Scott's most powerful amplifier. Delivers 120 watts for thrilling stereo realism. Features transformerless output; 7-position selector switch; bass and treble controls for each channel; much more. Also has tape head equalization; selectable phono sensitivity. *Power:* 120 watts IHF at 4 ohms, 100 watts at 8 ohms. *Response:*  $\pm 1$  dB, 15-30,000 Hz. *Outputs:* 4-16 ohms, tape, headphone.  $5\frac{1}{4} \times 15\frac{1}{2} \times 13\frac{1}{4}$ ". 115 VAC. Optional case below. Shpg. wt., 21 lbs.  
13 C 2732 U. \$15 Monthly. . . . . 287.95  
13 C 2001 X. Simulated Leather Metal Case. 5 lbs. . . . . 11.85  
13 C 2040 X. Deluxe Oiled Walnut Wood Case. 6 lbs. . . . . 20.82

### **B** Scott 299F 65-Watt Stereo Amplifier

Extremely popular, feature-packed stereo amplifier. Has all controls and facilities necessary for full enjoyment of stereo and mono sources. Delivers strikingly clear and pure sound. Direct-coupled output stage—no transformers to mar tonal beauty. *Power Output:* 65 watts IHF at 4 ohms. *Response:*  $\pm 1$  dB, 18-25,000 Hz. *Harmonic Distortion:* 0.8%. With chassis enclosure. Optional case below.  $5\frac{1}{4} \times 15\frac{1}{2} \times 12$ ". For 115 VAC. Shpg. wt., 12 lbs.  
13 C 2737 U. \$9 Monthly. . . . . 179.95  
13 C 2001 X. Simulated Leather Metal Case. 5 lbs. . . . . 11.85  
13 C 2040 X. Oiled Walnut Wood Case. 6 lbs. . . . . 20.82

## Popular ELECTRO-VOICE Solid-State Stereo Amplifiers



### E-V 1122 30-Watt Stereo Amplifier

**\$79<sup>90</sup>**

- In Ultra-Compact Walnut-Finish Case
- Excellent Stereo at a Very Low Price

This compact solid-state amplifier offers excellent high-fidelity stereo at an exceptionally moderate price. Boasts clean, uncluttered styling and small size for maximum versatility in placement. Offers full control facilities. *IHF Power:* 30 watts. *Response:*  $\pm 1.5$  dB, 20-20,000 Hz. *Inputs:* Phono, tuner, aux. *Outputs:* 4-16 ohms speakers, stereo headphones, (front-panel). Includes walnut-finish case. Two-tone platinum color panel. Size,  $4\frac{1}{4} \times 15\frac{3}{4} \times 8\frac{1}{2}$ ". For 110-120 volts, 60 Hz AC. Shpg. wt., 18 lbs.  
13 C 2762 X. \$5 Monthly. . . . . 79.90



### E-V 1244 65-Watt Stereo Amplifier

**\$119<sup>00</sup>**

- Ultra-Compact Solid-State Amplifier
- Delivers 65 Watts of Thrilling Stereo

Amazingly big sound from a small package. Space-age styling and solid-state design are combined to provide outstanding performance with a minimum of size. Amplifier delivers powerful 65-watt output for superb stereo realism. Features color-coded volume and selector controls. "Speaker on/mute" switch. *Response:*  $\pm 1.5$  dB, 20-20,000 Hz. *Inputs:* magnetic phono, tuner, tape deck, aux. *Outputs:* 4-16 ohms, stereo headphones, recording. Metal cover, walnut finish end panels.  $3\frac{3}{8} \times 8\frac{1}{4} \times 10\frac{1}{4}$ ". 115 VAC. 11 lbs.  
13 C 2766 X. \$6 Monthly. . . . . 119.00

Big Sound In A  
Small Package  
.. Color-Coded  
Selector and  
Volume Controls

Allied Has America's Finest Selection of Hi-Fi Stereo Amplifiers

ALLIED 45

# FISHER Solid-State Stereo Amplifiers

## AMPLIFIERS

FISHER • SHERWOOD

Fisher Model TX-1000  
120-Watt Solid-State  
Stereo Amplifier

**\$329<sup>95</sup>**  
less case  
\$16 monthly

Fisher Model TX-100  
65-Watt Solid-State  
Stereo Amplifier

**\$169<sup>95</sup>**  
less case  
\$9 monthly

(A)



(B)



(A) TX-1000 120-Watt Stereo Amplifier

(B) TX-100 65-Watt Stereo Amplifier

Superb amplifier delivers distortion-free stereo with full dynamic range. Clutch-type bass and treble controls; 6-position input selector; main/remote speaker switch; scratch and rumble filters; tape/monitoring facilities. Center-channel output. *Power:* 120 watts IHF at 4 ohms; 90 watts at 8 ohms. *Response:* ±1.5 dB, 20-40,000 Hz. *Outputs:* 4-16 ohms; headphones; tape. 4<sup>13</sup>/<sub>16</sub>x15<sup>1</sup>/<sub>8</sub>x12<sup>3</sup>/<sub>4</sub>". Optional case below. 117 VAC. Shpg. wt., 27 lbs.  
13 C 2652 U. \$16 Monthly..... 329.95  
13 C 2629 X. Oiled Walnut Case. Shpg. wt., 6 lbs..... 22.95

Amplifier boasts famous Fisher excellence, has total-command control panel for all music sources. Input selector for tape head, phono, tuner, aux. Tape monitor and loudness switches; bass, treble controls; scratch filter. *Power:* 65 watts IHF at 4 ohms, 50 watts at 8 ohms. *Response:* ±1 dB, 20-20,000 Hz. *Outputs:* 4-16 ohms; headphones; tape. 4<sup>13</sup>/<sub>16</sub>x15<sup>1</sup>/<sub>8</sub>x11<sup>7</sup>/<sub>8</sub>". For 117 VAC. Optional case below. Shpg. wt., 24 lbs.  
13 C 2649 U. \$9 Monthly..... 169.95  
13 C 2629 X. Oiled Walnut Case. Shpg. wt., 6 lbs..... 22.95

## New SHERWOOD Solid-State Stereo Amplifiers



Shown in wood case

**S9900A 140-Watt Amplifier**  
**\$229<sup>50</sup>**  
less case  
\$12 monthly

- All-Silicon Circuit
- Output for 2 Sets of Stereo Speakers

This powerful new amplifier offers outstanding stereo hi-fi. Switches for two sets of stereo speakers; complete input facilities. Tape monitor. Instant overload protection prevents damage to output transistors. *Power:* 140 watts IHF at 4 ohms. *Response:* ±1 dB, 20-20,000 Hz at 40 watts. *Harmonic Distortion:* 0.4%. Case below. 4x14x10<sup>1</sup>/<sub>2</sub>". For 117 VAC. Shpg. wt., 21 lbs.  
13 C 2460 U. \$12 Monthly..... 229.50  
13 C 2401 X. Walnut-Grained Metal Case. Shpg. wt., 5 lbs..... 7.50  
13 C 2427 X. Walnut Wood Case. Shpg. wt., 7 lbs. \$5 Monthly..... 28.00



Shown in wood case

**S-9500B 80-Watt Amplifier**  
**\$189<sup>50</sup>**  
less case  
\$10 monthly

- Tape Monitor Switch
- Overload Protection
- Wide Response

Moderately-priced amplifier offers hi-fi to please the critical listener. Silicon transistors and diodes throughout. Instant overload protection, loudness off-on switch. Full array of controls and inputs. *Power Output:* 80 watts IHF at 4 ohms. *Response:* ±1 dB, 12-35,000 Hz. *Harmonic Distortion:* 0.4%. Case below. 4x14x10". For 117 VAC. Shpg. wt., 19 lbs.  
13 C 2455 U. \$10 Monthly..... 189.50  
13 C 2401 X. Walnut-Grained Metal Case. Shpg. wt., 5 lbs..... 7.50  
13 C 2427 X. Walnut Wood Case. Shpg. wt., 7 lbs. \$5 Monthly..... 28.00



**SHURE "Solo-Phone" Headphone Amplifier**

**\$45<sup>00</sup>** Superior Headphone Listening from Almost \$5 monthly Any Sterea Source

Great for private listening in study, den, bedroom or dorm. Solid-state circuit provides ample power to play magnetic phono, stereo FM tuner or tape player directly to one or two pairs of stereo headphones. Dual concentric volume control; input switch and switched AC outlet. Walnut finished case, 3<sup>1</sup>/<sub>2</sub>x10<sup>1</sup>/<sub>4</sub>x3". For 115 VAC. Shpg. wt., 4 lbs.  
13 C 2094 X. \$5 Monthly 45.00



# DYNA Factory-Assembled Components



## AMPLIFIERS

DYNA • EICO

**A** "Stereo 120"  
Basic **\$199<sup>95</sup>**  
\$10 monthly

**Dyna Components  
In Kit Form  
on Pages 474-475**



**B** PAT-4  
Preamp **\$129<sup>95</sup>**  
\$7 monthly

### **A** "Stereo 120" 120-Watt Basic Amplifier

Famous basic amplifier delivers magnificent stereo with complete freedom from coloration. All silicon transistors for top stability and reliability. No response-limiting interstage or output transformers. Output transistors electronically protected. Self-adjusting bias circuit. Regulated power supply. **Output:** 60 watts rms/channel. **Response:**  $\pm 0.5$  dB, 5-100,000 Hz. **Harmonic Distortion:** under 0.5%. **IM Distortion:** under 0.5%. **Noise:** -95 dB. Use with PAT-4 Preamp. Plated chassis, metal cover. 4x13x10 $\frac{1}{2}$ ". 120/240 V, 50-60 Hz AC. 20 lbs. 13 C 2234 U. \$10 Monthly..... 199.95

### **B** PAT-4 Solid-State Stereo Preamp

Perfect mate for the "Stereo 120" or any other basic amplifier. All silicon-transistor design for superior stability. Positive-action rocker switches control loudness, power, tape monitor, lo-filter, dual modes. Four-position hi-filter. Also has six-position selector switch, volume, balance, bass and treble controls for each channel. Inputs for high and low level phono cartridges, tape head, tuner, tape recorder. Front-panel input for guitar or recorder. **Response:**  $\pm 0.5$  dB, 5-100,000 Hz. 4x13x8". For 120/240 volts, 50-60 Hz AC. Shpg. wt., 11 lbs. 13 C 2241 X. \$7 Monthly..... 129.95

## EICO Factory-Assembled Solid-State Stereo Amplifiers



### "Cortina" 3070 70-Watt Stereo Amplifier

**\$139<sup>95</sup>**

\$7 monthly

- All-Silicon-Transistor Circuit
- Controls, Inputs for Every Source

Amplifier features all-silicon-transistor circuit for pure, undistorted stereo. Pre-amp has high overload level. Controls, inputs for every source. Scratch, rumble filters. Tape monitor. Speaker switch for off/main/remote/all. **Power:** 70 watts IHF, at 4 ohms. **Response:**  $\pm 1.5$  dB, 5-100,000 Hz. **Outputs:** 4-16 ohms; stereo headphones; recording. Complete with metal case. Size, 3 $\frac{1}{4}$ x12x8". For 117 VAC. Shpg. wt., 8 lbs. 13 C 2339 X. \$7 Monthly..... 139.95



### Cortina 3150 150-Watt Stereo Amplifier

**\$225<sup>00</sup>**

\$12 monthly

- All Silicon Transistors • Tape Monitor
- Output Circuit Overload Protection

Outstanding value in feature-packed, super-powerful all-silicon amplifier. Pre-amp has high overload capacity. Controls, inputs for all sources. Output circuit overload protection. Scratch, rumble filters. Tape monitor. Main/remote speaker switch. **Power:** 150 watts IHF at 4 ohms. **Response:**  $\pm 1.5$  dB, 10-50,000 Hz. **Outputs:** 4-16 ohms; stereo, headphones; tape. Walnut-grain metal case. 3 $\frac{1}{4}$ x15x7 $\frac{1}{2}$ ". For 117 VAC. 17 lbs. 13 C 2253 U. \$12 Monthly..... 225.00

**Eico Hi-Fi  
in Kit Form  
on Pages  
476, 477**

Buy Your Hi-Fi Components On Allied's Credit Fund Plan

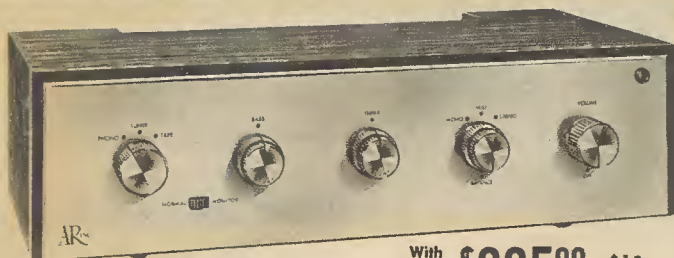
ALLIED 47

# AMPLIFIERS

FIVE MAJOR BRANDS

# Solid-State Stereo Amplifiers

A FINE SELECTION... PRICES FOR EVERY POCKET



### A AR 120-Watt Stereo Amplifier

Connoisseur quality! Silicon transistors and DC driver clamping circuit for wider dynamic range and amazingly authentic reproduction. Unique idler power supply prevents turn-on noises. Null circuit for perfect channel balance. Tape monitor. *Power:* 120 watts, rms. *Response:* 20-20,000 Hz. *Harmonic Distortion:* 0.5%. *IM Distortion:* 0.25%. *Inputs:* mag. phono; tape; tuner. *Outputs:* 4-16 ohms; tape. Black cover. Wood case below. 4 1/2 x 15 3/4 x 10". For 117 VAC. Shpg. wt., 21 lbs. . . . . 225.00  
13 C 2445 X. \$12 Monthly. . . . . 225.00  
13 C 2446 X. Walnut Case. 6 lbs. . . . . 15.00

A

Shown in wood case

With Metal Cover **\$225<sup>00</sup>** \$12 monthly



B **\$325<sup>00</sup>** \$16 monthly  
less case

**MARANTZ**  
Matching  
Stereo Preamp  
and 120-Watt  
Basic Amplifier

### B Marantz 7T Stereo Preamp

For the perfectionist! Ideal companion for Model 15 basic amplifier below. Nine stereo inputs, 4 stereo outputs, tape play/copy switch, plus full array of controls. Tape head equalizer. Center-channel output; output level adjustment. Flat from 20-20,000 Hz. *IM Distortion:* 0.15%. 5 1/4 x 15 3/4 x 8 1/2". Case below. 117 VAC. 15 lbs. . . . . 325.00  
13 C 2280 U. \$16 Monthly. . . . . 325.00  
13 C 2270 X. Walnut Case. 9 lbs. . . . . 24.50

C **\$395<sup>00</sup>** \$18 monthly

### C Marantz Model 15 120-Watt Stereo Basic Power Amplifier

For finest possible stereo. All silicon transistors develop 60 watts rms (8 ohms) with only 0.03% harmonic distortion. Separate power supplies for each channel. *Response:* 20-20,000 Hz. *Damping:* Exceeds 150 at 8 ohms. Case below. 5 1/4 x 15 3/4 x 7". For 117 VAC. Shpg. wt., 35 lbs. . . . . 395.00  
13 C 2282 Z. Express. \$18 Monthly. 395.00  
13 C 2434 X. Walnut Case. 9 lbs. . . . . 29.50



### Deluxe Kenwood KA-2000 40-Watt Stereo Amplifier

### Powerful Martel RA-800 120-Watt Stereo Amplifier

### Bogen Model TA-150 50-Watt Stereo Amplifier



Shown in wood case

**\$89<sup>95</sup>** • Smart Metal Case  
\$5 monthly • Output Protection Circuit  
• Tape Monitor Switch

**\$129<sup>95</sup>** • Handsome Metal Case  
\$7 monthly • Silicon Transistor Circuit  
• Modern Rocker Switches

**\$107<sup>95</sup>** • Includes Metal Case  
\$6 monthly • All-Silicon Circuit  
• Transformerless Output

Handsomely styled solid-state amplifier delivers unusually fine stereo at very low cost. Boasts tape monitor switch, loudness control, separate bass and treble controls. Automatic circuit breaker protects power output transistors. *Power Output:* 40 watts IHF at 4 ohms. *Frequency Response:* 20-50,000 Hz. *Outputs:* 4-16 ohm speakers; stereo headphone jack. *Stereo Inputs:* phono, auxiliary. Complete with metal case. 4 1/2 x 10 1/4 x 9 3/4". For 115 volts, 60 Hz AC. Japan. Wt., 10 lbs. . . . . 89.95  
13 C 2493 X. \$5 Monthly. . . . . 89.95

A wonderful value. This amplifier offers a full 120 watts of IHF power, plus many deluxe features, at a surprisingly low price. Has scratch, rumble filters; loudness switch; switches for speakers on/off and stereo reverse. Transformerless output circuit. *Power:* 120 watts IHF. *Response:* 20-50,000 Hz. *Inputs:* magnetic and ceramic phono; tuner; aux. *Outputs:* 4-16 ohms; headphones. 5 x 13 1/2 x 8 1/2". With metal case. For 110-120 volts, 60 Hz AC. From Japan. Wt., 24 lbs. . . . . 129.95  
13 C 2038 U. \$7 Monthly. . . . . 129.95

Fine value in a stereo amplifier with a full array of features. All silicon transistors and transformerless output. Controls include loudness, bass, treble, balance. Subsonic filter. Modular construction. *Response:* ± 1 dB, 20-50,000 Hz. *Power:* 50 watts IHF at 4 ohms. *Inputs:* mag. phono; tape aux; tuner. *Outputs:* 4 to 16 ohms (2 pairs); headphones; tape. Wood-grain metal case; wood case below. 3 3/4 x 14 1/2 x 10". 117 VAC. 15 lbs. . . . . 107.95  
13 C 2512 U. \$6 Monthly. . . . . 107.95  
13 C 2503 X. Walnut Case. 7 lbs. . . . . 24.95



# Money-Saving Stereo Systems

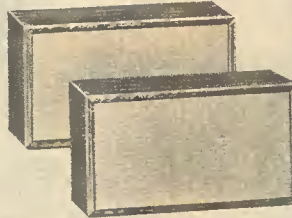
WITH EICO, FISHER, AND SCOTT AMPLIFIERS

## HI-FI MANAGER'S SYSTEMS

### Eico 70-Watt Stereo Phono System

Separately, \$313.80. Delivers first-rate performance at a low price. Factory-assembled, ready to plug-in-and-play Eico "Cartina" 3070 70-Watt Solid-State Stereo Amplifier boasts silicon transistors. Includes smart walnut finish metal case. Garrard Synchro-Lab SL55 4-Speed Automatic Turntable has oversize platter, cuing feature. With base. Shure M32E Stereo Cartridge with elliptical diamond stylus. Two Allied 3005A 3-Way Walnut Speaker Systems with 10" woofer, 6" midrange, 3 1/2" tweeter. With cables, hi-fi booklet. Shpg. wt., 65 lbs.  
13 C 0349 D4U. \$13 Monthly.....249.25

Save  
**\$64.55**  
**\$249.25** With Case  
\$13 monthly



### Eico 70-Watt Stereo Kit System

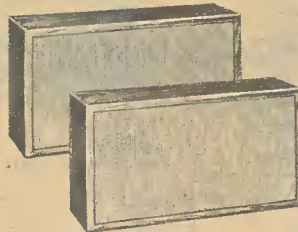
Separately, \$273.80. Same as above system except has Eico 3070K 70-Watt Amplifier in kit form. 60 1/4 lbs. \$11 Monthly.  
13 C 0354 D4U.....219.95

Save  
**\$53.85**  
**\$219.95**

### Fisher 65-Watt Stereo Phono System

Separately, \$374.65. Superb quality stereo hi-fi component system at a modest price. Full-feature Fisher TX-100 Solid-State 65-Watt Stereo Amplifier has total command control panel for all music sources. Case below. Garrard SL65 Synchro-Lab 4-Speed Automatic Turntable has cuing and pause controls. Automatic or manual operation. With base. Empire 888E Stereo Cartridge with elliptical diamond stylus. Two Allied 3005A 3-Way Walnut Speaker Systems. 10" woofer, 6" midrange, 3 1/2" tweeter. With cables, hi-fi booklet. Shpg. wt., 78 lbs.  
13 C 0375 D4U. \$15 Monthly.....289.50  
13 C 2629 X. Walnut Waad Case. Wt., 6 lbs....22.95

Save  
**\$85.15**  
**\$289.50** less case  
\$15 monthly



### Alternate Fisher System

Separately, \$424.25. Same as system above, but with wider-response Allied 3030B Walnut Speaker Systems. Wt., 93 lbs. \$16 Monthly.  
13 C 0376 D4U.....319.95



Save  
**\$104.30**  
**\$319.95**

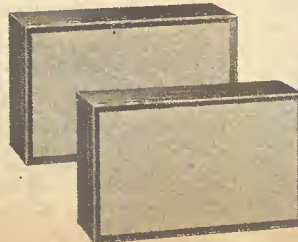
### Scott 120-Watt Stereo Phono System

Separately, \$547.75. Specially selected to satisfy the more demanding music lover. Powerful Scott 260B Solid-State 120-Watt Stereo Amplifier offers total command of every music source. Case below. Garrard SL65 4-Speed Automatic Turntable provides manual or automatic operation. With base. Pickering XV15/ATE Cartridge with elliptical diamond stylus. Two Allied 3030B 3-Way Walnut Speaker Systems with 12" woofer, 6" midrange and 3 1/2" tweeter. With cables, hi-fi booklet. Shpg. wt., 90 lbs.  
13 C 0377 D4U. \$19 Monthly.....439.20  
13 C 2001 X. Metal Amplifier Case. 5 lbs.....12.50  
13 C 2040 X. Walnut Amplifier Case. 6 lbs.....20.82

Save  
**\$108.55**  
**\$439.20** less case  
\$19 monthly



Shown in wood case



### Alternate Scott System

Separately, \$657.25. As above, but with two wider-range Allied 2370 3-Way Walnut Speaker Systems. Wt., 134 lbs. \$23 Monthly.  
13 C 0383 D4U.....529.20



Save  
**\$128.05**  
**\$529.20**

Order Your Stereo System Now—Use Your Allied Credit Fund

ALLIED 49

# World's Finest Selection of Stereo Tuners

## FOUR PAGES OF FAMOUS-NAME FM AND FM-AM TUNERS

Choose from Major Brands  
**ALLIED • BOGEN • DYNA**  
**EICO • ELECTRO-VOICE**  
**FISHER • SCOTT**  
**SHERWOOD**

An FM or FM-AM tuner in your music system broadens your listening pleasure by adding a wide variety of music, cultural and news programming . . . produced with the same realism you get from stereo records. These tuners offer handsome styling and latest design. All are manufactured by Hi-Fi specialists. Prices to fit all budgets. Include cables that plug into any stereo amplifier.



Shown in walnut case

### DELUXE FEATURES



Lighted d'Arsonval Signal-Strength Meter for Perfect Tuning



Stereo Indicator Light Tells When You Are Tuned to Stereo



Four-Position Function Selector Includes AFC Defeat



Smooth Flywheel Tuning for Accurate Station Selection

### ALLIED Model 285 Stereo FM-AM Tuner

**\$79<sup>95</sup>**  
 With Metal Case  
**\$5 monthly**

- Superb Stereo-FM and AM Performance at a Very Low Price
- Illuminated Slide-Rule Dial • Effortless Flywheel Tuning
- Three IF Stages With Limiter and Ratio Detector
- Ultra-Stable Time-Switching FM Stereo Multiplex Circuit

This is our lowest priced FM-AM stereo tuner, but you still get important extras often reserved for expensive tuners. Time-switching multiplex circuit makes possible first-rate FM-stereo with plenty of channel separation for music with you-are-there realism. Fine AM reception, too. Smooth flywheel tuning, plus lighted slide-rule dial and signal-strength meter for always-perfect station selection. Stereo indicator light. Three IF stages with limiter and ratio detector for static-free FM reception. Four-position function selector switch selects stereo FM with AFC, monaural FM with AFC, monaural FM without AFC (for tuning in weak stations that are close to strong stations), and AM. Heavy-gauge Sierra Gold extruded aluminum front panel. Matches Allied 935 amplifier on page 42. 4 $\frac{3}{4}$ "x13 $\frac{3}{4}$ "x9 $\frac{3}{4}$ ". With brown metal case; wood case below. From Japan. Shpg. wt., 20 lbs.

14 C 5526 U. \$5 Monthly . . . . . **79.95**  
 14 C 5005 X. Oiled Walnut Wood Case. Shpg. wt., 5 lbs. . . . . **12.95**

#### MODEL 285 SPECIFICATIONS

**FM CIRCUIT.** Sensitivity: 2.5  $\mu$ V for 20 dB quieting. Frequency Response:  $\pm$ 1 dB, 20-20,000 Hz. Distortion: 1% at 100% modulation. Channel Separation: Better than 30 dB. Image Rejection: better than 30 dB. IF Stages: three. Internally shielded for hum-free operation. Antenna: twin-lead dipole.

**AM CIRCUIT.** Sensitivity: 8  $\mu$ V for 20-dB signal-to-noise ratio. Antenna: Built-in high-efficiency ferrite rod. **OVERALL CIRCUIT.** 8 tubes, 12 solid-state diodes. Power Requirement: 110-127 volts, 60 Hz AC.



# Quality Stereo FM Tuners

## TUNERS

EICO • DYNA • CROWN

**\$139<sup>95</sup>** \$7  
With Case monthly

SEE PAGES  
476 AND 477 FOR  
EICO STEREO  
COMPONENTS  
IN KIT FORM



### EICO 3200 Solid-State Stereo FM Tuner

Solid-state stereo FM tuner delivers brilliant stereo with exciting "you are there" realism. Advanced transistor circuit for top performance and maximum reliability. Boasts automatic FM stereo/mono switching plus stereo indicator light. Precision D'Arsonval meter for pin-point tuning accuracy. Storecast filter. AFC can be switched "off" for easy tuning of weak stations adjacent to strong ones. Modern positive-action rocker switches. Usable IHF sensitivity: 2.4  $\mu$ V for 30 dB quieting. Frequency Response:  $\pm$  1 dB, 20-15,000 Hz. Capture Ratio: 4.5 dB. Selectivity: 45 dB. Image Rejection: 45 dB. Channel Separation: 40 dB at 1 kHz. Factory-assembled and ready to play. Complete with attractive vinyl-clad, walnut-finish metal case. For 110-120 volts, 60 Hz AC. Shpg. wt., 7 lbs.

13 C 2341 X. \$7 Monthly..... 139.95



### DYNAKIT FM-3A Deluxe Tube-Type Stereo FM Tuner

Magnificently engineered FM tuner pulls in stereo with excellent sensitivity, dimensional realism and tonal clarity. Widely recognized as an outstanding value. Has four IF stages which work as progressive limiters. Balanced wideband discriminator. Boasts excellent spurious-signal rejection. Precision planetary drive tuning. "Stereocater" lights up when you tune in a stereo broadcast and automatically switches tuner to stereo mode. Sensitivity: 4  $\mu$ V (IHF). Channel Separation: 30 dB. Controls include power on-off slide switch, audio level control. Attractive satin-tone extruded front panel. Sensitive 10-tube circuit. Size, 4x13x8". With metal case. Fully factory assembled and ready to plug in and play. For 110-120 volts, 50-60 Hz AC. Shpg. wt., 13 lbs.

13 C 2589 X. \$8 Monthly..... 154.95

**\$154<sup>95</sup>** \$8  
With Case monthly

SEE PAGES  
474 AND 475 FOR  
DYNAKIT STEREO  
COMPONENTS  
IN KIT FORM

### CROWN FM-300 Compact Solid-State Stereo FM Tuner

- Switchable AFC • Volume Control
- Stereo Indicator • Wood Case

Add FM-stereo to your high-fidelity system at remarkably low cost. Ultra-compact stereo tuner delivers excellent performance. Features sensitive 12-transistor, 9-diode circuit. Automatic stereo switching. Stereo indicator light. Front-panel volume control with on-off switch. AFC with defeat to permit tuning weak stations. For use with any stereo amplifier with tuner, phono, or auxiliary input. 2 $\frac{1}{8}$ x11 $\frac{1}{2}$ x4 $\frac{3}{4}$ ". With oiled walnut wood case. For 117/220 volts, 50-60 Hz AC. Japan. Shpg. wt., 5 lbs.

13 C 2258 U. \$5 Monthly..... 59.95



**\$59<sup>95</sup>** \$5  
monthly

Add FM Stereo to Your  
System at Law Cost

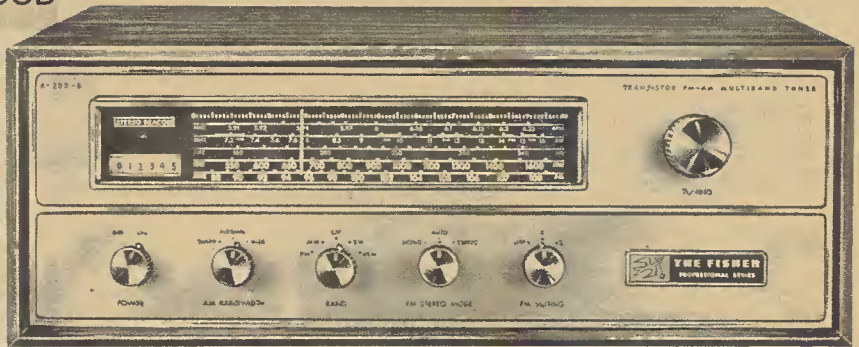
Look to Allied for the Finest and Newest in Stereo Hi-Fi

ALLIED 51

# TUNERS

FISHER • SHERWOOD

## Two Superb FISHER Stereo Tuners with Deluxe Extras for Finest Hi-Fi



**\$299<sup>95</sup>**  
less case

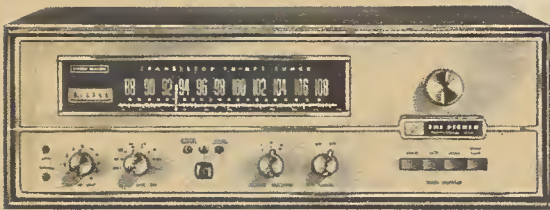
\$15 monthly

- Superb Stereo FM, plus AM, Longwave and Shortwave
- Automatic Stereo Switching
- Bandwidth Selector • Tuned RF
- Between-Station FM Silencing

### Fisher R-200-B Solid-State Stereo FM/AM-LW-SW Tuner

Here's real versatility! This tuner not only pulls in high-fidelity stereo FM, but also brings you extraordinary AM, plus fascinating longwave and worldwide shortwave. Actually performs on a par with deluxe communications receivers. Tunes standard FM and AM, longwave from 150-350 kHz, and shortwave in two bands covering 5.9-6.3 MHz and 7-16.5 MHz. Three-gang capacitor and tuned RF stage on AM for excellent reception. AGC cuts fading, and 3-position band-width selector matches all receiving conditions. 10-kHz whistle filter. Full 35 dB separation for wide channel separation on stereo FM. Between-station FM silencing, stereo beacon light. Tuning meter. Solid-state circuit has novists in front end for extra sensitivity. 4 $\frac{1}{16}$ x15 $\frac{1}{8}$ x13". Optional case below. For 110-135/200-250 V, 50-60 Hz AC. Shpg. wt., 23 lbs.

13 C 2646 U. \$15 Monthly..... 299.95  
13 C 2629 X. Walnut Case. Shpg. wt., 6 lbs. \$5 Monthly..... 22.95



**\$429<sup>95</sup>**  
less case

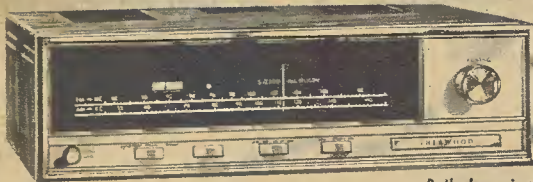
\$19 monthly

### Fisher's Finest! TFM-1000 Solid-State Stereo FM Tuner

Fisher's finest tuner, with latest circuit design, for super-stereo! Front-end has six tuned circuits with silicon FET's. Wideband five-stage IF amplifier and 4 limiters, plus AGC. Response: 25-15,000 Hz. IHF Sensitivity: 1.8  $\mu$ V for 30 dB quieting. Capture Ratio: 0.6 dB. Separation: 40 dB. Outputs for 600-ohm line, recorder, headphones. 5 $\frac{1}{8}$ x16 $\frac{1}{4}$ x12". Optional case below. For 115 VAC.

13 C 2647 U. Shpg. wt., 24 lbs. \$19 Monthly..... 429.95  
13 C 2633 X. Walnut Case. Wt., 9 lbs. \$5 Monthly..... 22.45

## Latest SHERWOOD Tuners . . Now with "Micro-Circuits"



Both shown in metal case



**\$224<sup>50</sup>** \$12 less monthly  
case  
**S-2300 Stereo FM-AM Tuner**

Features famous Sherwood circuit design, now with "Micro-Circuits" for even finer performance. Sensitive FET front end. Automatic stereo/mono switching; stereo indicator light. FM between-station silencing; stereo noise filter. FM Sensitivity: (IHF): 1.8  $\mu$ V for 30 dB quieting. AM Sensitivity: 2  $\mu$ V for 0.5 output. Chan. Sep.: 40 dB. Capture Ratio: 2.0 dB. Cross-Modulation Rejection: -95 dB. Optional case, right. 14x4x10 $\frac{1}{2}$ ". For 115 VAC.

13 C 2495 U. Shpg. wt., 13 lbs. \$12 Monthly..... 224.50

**\$197<sup>50</sup>** \$10 less monthly  
case  
**S-3300 Stereo FM Tuner**

Professional features and performance at a moderate price. Silicon FET front end; zero-center tuning meter; automatic stereo/mono switching; between-station silencing; stereo noise filter. IHF Sensitivity: 1.8  $\mu$ V for 30 dB quieting. Chan. Sep.: 40 dB. Capture Ratio: 2.2 dB. Optional cases below. 14x4x10 $\frac{1}{2}$ ". For 115 VAC.

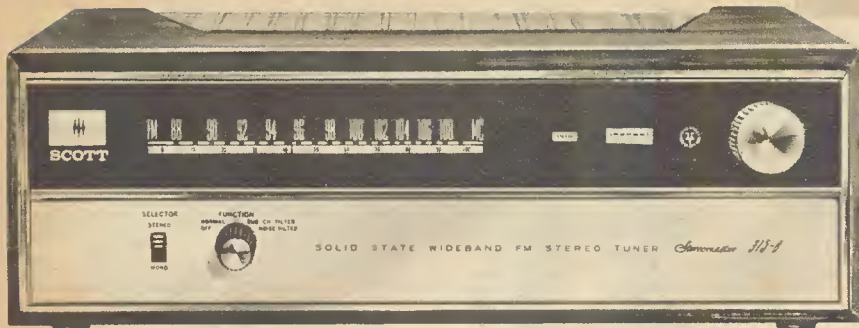
13 C 2470 U. Shpg. wt., 10 lbs. \$10 Monthly..... 197.50  
13 C 2401 X. Leatherette-Covered Metal Case. 5 lbs. .... 7.50  
13 C 2427 X. Walnut Case. 7 lbs. \$5 Monthly..... 28.00



# SCOTT Solid-State Stereo FM Tuners With Integrated Circuit IF Stage

## TUNERS

H.H. SCOTT • E-V



Shown in walnut case

Advanced Design  
Stereo FM Tuner

**\$189<sup>95</sup>**  
less  
case

\$9 monthly

### Exciting Scott 315B Solid-State Stereo FM Tuner

FM tuner with superb Scott engineering and circuit features. Delivers exceptional performance. Includes integrated circuits and Field-Effect-Transistors for outstanding hi-fi even from weak stations.

Field-Effect Transistors, plus silver-plated front-end, assure extremely high sensitivity and freedom from drift. Integrated circuit IF amplifier assures super-selectivity and lifetime stability. Time-switching multiplex circuit. Other features include: automatic stereo-mono switching, stereo indicator light, precision signal-strength

tuning meter. Switchable filter cuts out noise on weak stereo stations. Includes tape recording outputs. *IHF Sensitivity:* 2.2  $\mu$ V. *Stereo Channel Separation:* 40 dB. *Signal-to-Noise Ratio:* 60 dB. *Capture Ratio:* 3 dB. Handsome black and chrome front panel. Size, 5 $\frac{1}{4}$ x15 $\frac{1}{2}$ x9". Optional case below. For 110-120 VAC. 14 lbs.

13 C 2715 U. \$9 Monthly. . . . . 189.95

13 C 2001 X. Brown Metal Case. For 315B or 312D tuner. Shpg. wt., 5 lbs. . . . . 11.85

13 C 2040 X. Oiled Walnut Wood Case. For 315B or 312D tuner. Wt., 6 lbs. . . . . 20.82

SEE THE  
**SCOTT  
TUNER  
KIT**  
on Page 473  
in Kit Section  
of This  
Catalog

### Deluxe 312D—Scott's Finest Solid-State Stereo FM Tuner

**\$296<sup>95</sup>**  
less  
case  
\$14 monthly

Superb stereo FM tuner with integrated circuit IF for high selectivity, and silver-plated FET front end for top-notch reception even with varying signal strength. Signal strength/multipath indicator. Includes 'scope output, headphone jack, sub-channel noise filter. Stereo-mono switching; stereo light. Between-station muting. Recording output. *Sensitivity:* 1.7  $\mu$ V. *Signal-to-Noise Ratio:* 65 dB. *Separation:* 42 dB. 5 $\frac{1}{4}$ x15 $\frac{1}{2}$ x13 $\frac{1}{4}$ ". Optional case above. 115 VAC. 13 C 2712 U. Shpg. wt., 13 lbs. \$14 Monthly. . . . . 296.95



Shown in walnut case

## ELECTRO-VOICE Solid-State Stereo FM Tuners

### Budget-Priced 1159 Stereo FM Tuner

Solid-state stereo FM tuner offers excellent performance at a surprisingly low price. Features include automatic stereo-mono switching; stereo indicator light; tuning meter; large, easy-to-read dial. *Sensitivity:* 3  $\mu$ V for 30 dB quieting. *Hum and Noise:* -55 dB. *Harmonic Distortion:* 1%. With walnut-finished wood case. 4 $\frac{1}{4}$ x15 $\frac{3}{4}$ x8 $\frac{1}{2}$ ". Perfect companion for E-V 1122 stereo amplifier, page 45. For 115 VAC. Shpg. wt., 16 lbs. 13 C 2763 X. \$5 Monthly. . . . . 79.90

**\$79<sup>90</sup>**  
\$5 monthly



With Walnut-Finished Wood Case

### Deluxe 1255 Stereo FM Tuner

Fine-performing solid-state stereo FM tuner with striking, decorator styling. Pulls in even weak stations clearly. Automatic stereo-mono switching, stereo indicator light, tuning meter, AFC. *IHF Sensitivity:* 2  $\mu$ V. *Response:*  $\pm$ 1 dB, 30-15,000 Hz. *Hum and Noise:* -60 dB. *Harmonic Distortion:* less than 1.0%. With case and walnut-finished end panels. 3 $\frac{1}{8}$ x8 $\frac{1}{4}$ x10 $\frac{1}{4}$ ". Perfect companion to E-V 1244 stereo amplifier, page 45. 115 VAC. 8 lbs. 13 C 2742 X. \$7 Monthly. . . . . 136.00

**\$136<sup>00</sup>**  
\$7 monthly



With Walnut-Finished End Panels

Buy Your Hi-Fi Components On Allied's Credit Fund Plan

ALLIED 53

# Famous ALLIED Stereo Turntable Package

PRECISION-CRAFTED  
IN ENGLAND



Accurate Cuing, Pause,  
Anti-Skate Control



Low-Mass Arm  
with Clip-In  
Cartridge Holder

## ALLIED 919 4-Speed Automatic Turntable Plus Accessories for Only \$5 More

Separately, \$99.80. Package includes: Allied 919 Automatic Turntable, Oiled Walnut Wood Base, Molded Styrene Dust Cover, plus your choice of Empire 888E, Pickering V15/ATE-3 or Shure M93E Stereo Elliptical Cartridge. Allied's own feature-packed automatic turntable boasts low-mass pickup arm counter-balanced on friction-free ball-bearings. 16 $\frac{2}{3}$ , 33, 45, 78 rpm. Precise cuing and pause control. Resiliently mounted 4-pole motor. Anti-skate control for superb tracking. "Pop" filter, muting switch. Two spindles for playing record stacks automatically or singles manually. Clip-in cartridge holder. Automatic shutoff. Flutter, less than .05%; wow, less than 0.12% rms. 13 $\frac{1}{8}$ x11 $\frac{1}{4}$ ". For 115 VAC. Shpg. wt., 18 lbs  
14 C 0131 CD3U. Package. Specify Cartridge. . . . . 54.95

- Allied 919 Automatic Turntable with Stereo Elliptical Cartridge for 1 $\frac{1}{2}$  More. Choice of Empire 888E, Pickering V15/ATE-3 or Shure M93E stereo elliptical cartridge. Walnut base, dust cover below. Shpg. wt., 9 $\frac{1}{2}$  lbs.  
14 C 0132 CDX. Specify Cartridge. \$5 Monthly. . . . . 49.96
- 14 C 5459 X. Allied 919 Turntable Alone. 9 $\frac{1}{2}$  lbs. . . . . 49.95
- 14 C 5450 X. Oiled Walnut Wood Base. 3 lbs. . . . . 4.95
- 14 C 5614 X. Mounting Board. 2 lbs. . . . . 1.95
- 14 C 5453 X. Dust Cover. Transparent styrene. 5 lbs. . . . . 4.95
- 14 C 5454. 45-rpm Automatic Spindle. 12 oz. . . . . 1.69

Save \$44.85

YOU GET ALL THIS

For Only **\$54<sup>95</sup>** \$5 monthly



Allied 919  
Automatic Turntable



Oiled Walnut  
Wood Base



Molded Styrene  
Dust Cover

Plus

## Your Choice of Stereo Cartridge



Empire  
888E  
Reg. \$39.95



Pickering  
V15/ATE-3  
Reg. \$39.95



Shure  
M93E  
Reg. \$39.95



# Deluxe ALLIED 929 Stereo Turntable Package

PRECISION-CRAFTED  
IN ENGLAND



NEW

VALUE-PACKED—CHECK  
THESE DELUXE FEATURES



Deluxe Dynamically  
Balanced Pickup Arm



Extra-Heavy Cast,  
Balanced Platter



Easy-Mount  
Cartridge Holder



Stylus Pressure  
Adjustment



Adjustable Anti-  
Skating Control



Automatic  
Lock  
Secures  
Arm

## ALLIED 929 4-Speed Automatic Turntable Plus All Accessories for Only \$5 More

Separately, \$122.80. Package includes: New Allied 929 Automatic Turntable, Oiled Walnut Wood Base, Molded Styrene Dust Cover plus Choice of Stereo Elliptical Cartridge. This exciting new Allied automatic turntable has every important feature for the critical music lover. Dynamically-balanced low-mass tubular aluminum pickup arm. Stylus pressure is fully adjustable. Precise cuing and pause control. Adjustable anti-skating compensation for maximum record and stylus protection and extremely clean sound. "Pop" filter, muting. Heavy, full-size cast platter is perfectly balanced. Automatic or manual operation. Flutter, less than .05%; wow, less than 0.12% rms. Size, 13 1/8 x 11 1/4". For 115 VAC. Shpg. wt., 20 lbs.  
14 C 0130 CD3U. Package. Specify Cartridge..... 74.95

- New Allied 929 Automatic Turntable with Stereo Elliptical Cartridge for 1 1/2 Mare. Choice of Empire 888E, Pickering V15/ATE-3 or Shure M93E stereo elliptical cartridge. Optional base, dust cover below. Shpg. wt., 11 lbs.
- 14 C 0129 CDX. Specify Cartridge. \$5 Monthly..... 69.96
- 14 C 5429 U. Allied 929 Turntable Alone. 11 lbs..... 69.95
- 14 C 5430 X. Deluxe Oiled Walnut Wood Base. 3 lbs..... 7.95
- 14 C 5614 X. Mounting Board. 2 lbs..... 1.95
- 14 C 5453 X. Dust Cover. Transparent styrene. 5 lbs..... 4.95
- 14 C 5454. 45-rpm Automatic Spindle. 12 oz..... 1.69

### Save \$47.85

YOU GET ALL THIS

For Only **\$74.95** \$5 monthly



Allied 929



Styrene Dust Cover



Oiled Walnut Wood Base

Plus

### Your Choice of Stereo Cartridge



Empire 888E  
Reg. \$39.95



Pickering V15/ATE-3  
Reg. \$39.95









Shure M93E  
Reg. \$39.95

Use Your Allied Credit Fund Plan to Get the Turntable You Want Now

ALLIED 55



# GARRARD Automatic Turntables

		
Auto-Rise Safety Record Platform	Sliding-Weight Anti-Skate Control	
		
Calibrated Stylus Pressure Gauge	Combined Manual-Cuing-Pause Control	
		
Dynamically Balanced Low-Mass Pickup Arm	Gimbal Needle Pivots	
With Elliptical Cartridge	With Deluxe Elliptical	Garrard SL95 Alone
\$129.51	\$134.50	\$129.50

With Elliptical Cartridge **\$109.51**  
 With Deluxe Elliptical **\$114.50**  
 Garrard SL75 Alone **\$109.50**

Deluxe SL75 Precision-Crafted Automatic Turntable






**B** Order bases page 59




**A** Garrard's Finest! Superb SL95 Automatic Turntable

## Choice of Elliptical Cartridge

only **1¢** more

		
Empire 888E Reg. \$39.95	Pickering V15/ATE-3 Reg. \$39.95	Shure M93E Reg. \$39.95

only **\$5** more


		
Empire 888TE Reg. \$49.95	Pickering XV-15/AME Reg. \$49.95	Shure M91E Reg. \$49.95

### **A** SL95 Automatic Turntable and Stereo Cartridge

Save \$39.94. Magnificent automatic turntable is the choice of audiophiles everywhere—has every deluxe feature! Synchro-Lab motor assures smooth, perfectly constant speed. Ultra-low-mass pickup arm, adjustable counterweight, anti-skating control, stylus force dial. Additional features shown above. Plays up to 6 records automatically or operates manually. 33 $\frac{1}{3}$ , 45, 78 rpm. 15 $\frac{1}{16}$  x 14 $\frac{5}{8}$ ". Req. 4 $\frac{3}{8}$ " above, 3" below mtg. board. Choose Empire 888E, Pickering V15/ATE-3 or Shure M93E cart. Order base, 45-rpm auto. spindle, p. 59. 117 VAC. England. 13 lbs. 13 C 0081 CDU. Specify Cartridge. \$7 Monthly..... 129.51  
 SL95 with Deluxe Elliptical Cartridge for \$5 More. Save \$44.95. Empire 888TE, Pickering XV15/AME, Shure M91E. 13 lbs. 13 C 0082 CDU. Specify Cartridge. \$7 Monthly..... 134.50  
 13 C 3061 U. SL95 Alone. 13 lbs. \$7 Monthly..... 129.50

### **B** SL75 Automatic Turntable and Cartridge

Save \$39.94. Deluxe automatic turntable features the Synchro-Lab motor for perfect speed accuracy. Twin-braced low-mass pickup arm, adjustable counterweight, stylus force assembly, anti-skating control, full 12" turntable. Easy-to-use combined speed and record size selector; combined manual and cuing controls. Plays up to 6 records automatically or operates manually. 33 $\frac{1}{3}$ , 45, 78 rpm. "Auto-Rise" platform telescopes out of way during single play. 16 $\frac{1}{16}$  x 14 $\frac{5}{16}$ ". Req. 4 $\frac{3}{8}$ " above, 3" below mtg. board. Choose Empire 888E, Pickering V15/ATE-3 or Shure M93E cartridge. Order base, 45-rpm automatic spindle, page 59. For 110-120 V, 60 Hz AC. From England. Wt., 13 lbs. 13 C 0084 CDU. Specify Cartridge. \$6 Mo.... 109.51  
 SL75 with Deluxe Stereo Elliptical Cartridge for \$5 More. Save \$44.95. Choose Empire 888TE, Pickering XV-15/AME or Shure M91E. 13 lbs. 13 C 0085 CDU. Specify Cartridge. \$6 Monthly 114.50  
 13 C 3062 U. SL75 Alone. 13 lbs. \$6 Monthly... 109.50

<b>\$25</b> more		SL95 with Superb Empire 999VE Super-Elliptical Cartridge. Save \$49.95. 13 lbs. 13 C 0083 DU. \$8 Monthly..... 154.50
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THE GARRARD AUTOMATIC TURNTABLES SHOWN ON THESE PAGES ARE FEATURED IN SYSTEMS ON PAGES 8-24, 39-43, 49, 468, 471-473



# with Elliptical Cartridge Offers

With  
Elliptical  
Cartridge

**\$79<sup>51</sup>**

With  
Deluxe  
Elliptical

**\$84<sup>50</sup>**

Garrard  
SL65  
Alone

**\$79<sup>50</sup>**

Popular SL65  
Synchro-Lab 4-Speed  
Automatic Turntable



## PERFECT-SPEED MOTOR

Synchro-Lab combines the power of an induction motor with the exact-speed accuracy of a fine synchronous motor for flawless performance.

Order bases, page 59



(A)

Low-Cost SL55  
Synchro-Lab  
Automatic Turntable



(B)

### Choice of Elliptical Cartridge

only **1¢** more



Empire 808E Reg. \$29.95  
Pickering V15/ACE-3 Reg. \$29.95  
Shure M32E Reg. \$29.50

only **\$5** more



Empire 888E Reg. \$39.95  
Pickering V15/ATE-3 Reg. \$39.95  
Shure M93E Reg. \$39.95

With  
Elliptical  
Cartridge

**\$59<sup>51</sup>**

With  
Deluxe  
Elliptical

**\$64<sup>50</sup>**

Garrard  
SL55  
Alone

**\$59<sup>50</sup>**

### (A) SL65 Automatic Turntable and Stereo Cartridge

Save Up to \$29.94. Feature-packed turntable boasts famous Garrard precision, dependability and convenience, plus the sensational Synchro-Lab motor for perfect speed regardless of line voltage variations or number of records on turntable. Cuing and pause control, optical-type stylus pressure adjustment, anti-skate compensation. Adjustable, resiliently mounted counterweight on tubular dynamically balanced pickup arm. Cast, balanced oversize turntable. Plays up to 6 records automatically or operates manually. 16<sup>2</sup>/<sub>3</sub>, 33<sup>1</sup>/<sub>3</sub>, 45 and 78 rpm. Automatic intermix. 15<sup>1</sup>/<sub>8</sub> x 13<sup>1</sup>/<sub>8</sub>". Req. 4<sup>3</sup>/<sub>4</sub>" above, 2<sup>1</sup>/<sub>8</sub>" below mtg. board. Empire 808E, Pickering V15/ACE-3 or Shure M32E cartridge. Order base, 45-rpm auto. spindle, p. 59. 110-120 V, 60 Hz AC. England, 13 lbs.  
13 C 0079 CDU. Specify Cartridge. \$5 Monthly..... **79.51**

SL65 with "Lighter-Tracking" Elliptical Cartridge for \$5 More. Save \$34.95. Choose Empire 888E, Pickering V15/ATE-3, or Shure M93E. Shpg. wt., 13 lbs.  
13 C 0080 CDU. Specify Cartridge. \$5 Monthly..... **84.50**

Model SL65 Automatic Turntable Alone. Shpg. wt., 13 lbs.  
13 C 3063 U. \$5 Monthly..... **79.50**

### (B) SL55 Automatic Turntable and Stereo Cartridge

Save Up to \$29.94. Precision-engineered automatic turntable offers exceptional quality at a surprisingly low price. Features the outstanding Synchro-Lab motor for constantly perfect speed accuracy. Tubular pickup arm has fixed counter-balance, convenient stylus pressure adjustment. Cuing lever lets you raise or lower arm without touching it. Oversized turntable. Two spindles; single play spindle rotates with record. Automatic intermix. Automatic or manual operation at all four speeds; 16<sup>2</sup>/<sub>3</sub>, 33<sup>1</sup>/<sub>3</sub>, 45 and 78 rpm. 14<sup>7</sup>/<sub>8</sub> x 12<sup>3</sup>/<sub>4</sub>". Req. 4<sup>3</sup>/<sub>4</sub>" above, 2<sup>1</sup>/<sub>8</sub>" below mtg. board. Choose Empire 808E, Pickering V15/ACE-3 or Shure M32E cartridge. Order base, 45-rpm automatic spindle, page 59. For 110-120 V, 60 Hz AC. From England. Shpg. wt., 11 lbs.  
13 C 0077 CDU. Specify Cartridge. \$5 Monthly..... **59.51**

SL55 with "Lighter-Tracking" Elliptical Cartridge for \$5 More. Save \$34.95. Choose Empire 888E, Pickering V15/ATE-3 or Shure M93E. Shpg. wt., 11 lbs.  
13 C 0078 CDU. Specify Cartridge. \$5 Monthly..... **64.50**

Model SL55 Automatic Turntable Alone. Shpg. wt., 11 lbs.  
13 C 3064 U. \$5 Monthly..... **59.50**

SEE PAGE 59 FOR GARRARD BASES AND OTHER ACCESSORIES

ALLIED 57



# Garrard Turntables with Stereo Cartridge

Order base on facing page



## 40 MK II Automatic Turntable with Stereo Cartridge

With Stereo Cartridge	With Stereo Elliptical	40 MK II Alone
\$44.51	\$49.50	\$44.50

Save Up to \$24.94. Precision-crafted for fine performance. Four-pole motor provides exact 16 $\frac{2}{3}$ , 33 $\frac{1}{3}$ , 45, 78-rpm speeds. Counterbalanced arm with stylus pressure adjustment for light tracking. Oversize, weighted platter. Automatic or manual operation; two spindles. 13 $\frac{1}{2}$  x 12". Req. 4 $\frac{1}{2}$ " above, 2 $\frac{1}{8}$ " below mtg. board. With choice of stereo cartridge for 1¢ more—Empire 888, Pickering V15/AC-3 or Shure M75-6—specify. Order base, 45-rpm auto. spindle, facing page. England. 13 C 0001 CDX. 11 lbs. \$5 Monthly. . . . 44.51

40 MK II with Elliptical Cartridge for \$5 More. Save Up to \$24.95. Empire 808E, Pickering V15/ACE-3 or Shure M32E—specify. 11 lbs. 13 C 0002 CDX. \$5 Monthly. . . . 49.50  
13 C 3164 X. 40 MK II Alone. 11 lbs. . . . 44.50

only 1¢ more

### Stereo Conical Cartridge



888 Reg. \$24.95    V15/AC-3 Reg. \$24.95    M75-6 Reg. \$24.50

only \$5 more

### Stereo Elliptical Cartridge



808E Reg. \$29.95    V15/ACE-3 Reg. \$29.95    M32E Reg. \$29.50

## SP20 Manual Turntable, Cartridge

With Stereo Cartridge	With Stereo Elliptical	SP20 Alone
\$37.51	\$42.50	\$37.50

Save Up to \$24.94. Precision four-speed manual turntable is perfect for home stereo systems and quality audio-visual applications in schools and industry. Counter-balanced pickup arm automatically returns to rest and shuts turntable off after record is played. Stylus force adjustment. Plug-in head. Full-size weighted turntable for rumble-free performance. Soft mat protects records. 14 $\frac{3}{8}$  x 12 $\frac{1}{2}$ ". With choice of stereo conical cartridge for 1¢ more—Empire 888, Pickering V15/AC-3 or Shure M75-6—specify. With 45-rpm adapter. Order base, facing page. From England. Shpg. wt., 11 lbs.

13 C 0003 X. \$5 Monthly. . . . 37.51  
SP20 with Elliptical Cartridge for \$5 More. Save Up to \$24.95. Empire 808E, Pickering V15/ACE-3 or Shure M32E—specify. 11 lbs. 13 C 0005 CDX. \$5 Monthly. . . . 42.50  
13 C 3150 X. SP20 Alone. 11 lbs. . . . 37.50

Order base on facing page



With Base and Magnetic Stereo Cartridge

\$69.50

\$5 monthly



## Garrard SLx-2 Automatic Turntable Module

- Synchro-Lab Motor for Perfect Speed Accuracy
- Ultra-Low-Mass Tubular Aluminum Pickup Arm

Superb automatic turntable comes complete with simulated walnut and ebony base, dust cover, factory-mounted magnetic stereo cartridge. Features Garrard's famous Synchro-Lab motor for perfect 33 $\frac{1}{3}$ , 45 and 78 rpm speeds. Combined speed and record size selector. Cuing and pause control. Ultra-low-mass dynamically-balanced pickup arm with built-in stylus pressure gauge. Two spindles. Size, 7 $\frac{3}{4}$  x 15 x 13 $\frac{1}{4}$ ". Order LRS-20 45-rpm automatic spindle, facing page. From England. Shpg. wt., 14 lbs.

13 C 2679 X. \$5 Monthly. . . . 69.50



# Garrard Accessories and Automatic Turntable

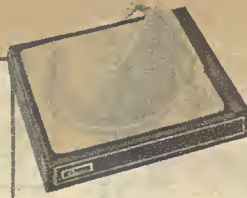
## All-New Dust Cover and Base Styling



Dust Cover  
Lifts Up or Slides Out

**Power-Matic  
Bases with  
Accessory  
Compartment**

Turns Off  
Amplifier After  
Last Record



Bases Have Channels for  
Positive Dust Cover Fit



Order  
base, left

## Model 30 Automatic Turntable

**\$39.50**

\$5 monthly

With Stereo  
Ceramic  
Cartridge,  
Diamond Stylus

Renowned Garrard precision craftsmanship in a remarkably low-priced automatic turntable. Perfect for budget systems or upgrading consoles. Four speeds. Automatic intermix. Two spindles. Over-size, weighted turntable. With ceramic cartridge, diamond stylus.  $14\frac{1}{2} \times 12\frac{3}{4}$ ". Optional base, 45-rpm automatic spindle, left. For 110-130 volts, 60 Hz AC. From England. Shpg. wt.,  $10\frac{1}{4}$  lbs.  
13 C 3167 X..... 39.50

## Genuine Garrard Automatic Turntable Accessories

Coordinated bases with accessory trays. Molded of simulated pin-seal leather and ebony, black with silver trim. Provision for easy mounting of slides if desired. "Power-Matic" bases turn off amplifier or receiver after last record has played. Dust covers are clear molded

styrene. New design lets you *slide* cover into place from front or *tilt up* and lock into place for loading or adjusting turntable. Can be left in place while playing. Mounting boards are smooth-sanded, unfinished wood, 16x18". \*Also for 50 and 60 Series Garrard Turntables.

Stock No.	Type	Description	Lbs.	EACH
13 C 3275 X	B-1	Base for SL65, SL55, 40 MK II, 30, SP20*.	5	4.95
13 C 3276 X	B-2	Base for SL95 and SL75.	6	5.95
13 C 3279 X	B-1P	Like B-1, but "Power-Matic" feature.	7	14.95
13 C 3283 X	B-2P	Like B-2, but "Power-Matic" feature.	8	15.95
13 C 3290 X	D-1	Dust cover for B-1, B-1P bases.	5	4.95
13 C 3291 X	D-2	Dust cover for B-2, B-2P bases.	5	5.95
13 C 3060 X	MB10	Mounting board for SL65, SL55, 40 MK II, SP20*.	2	2.25
13 C 3070 X	MB11	Mounting board for SL95, SL75.	2	2.25
13 C 3087	LRS20	45-rpm auto. spindle for SL65, SL55, 40 MK II, 30*.	8 oz.	3.80
13 C 3076	LRS25	45-rpm auto. spindle for SL95, SL75.	8 oz.	3.80
13 C 3077	C1	Cartridge clip for SL75.	3 oz.	1.75
13 C 3089	C2	Cartridge clip for SL95.	3 oz.	1.75
13 C 3112	M7	Extra cartridge head for SL65, SL55, 40 MK II, SP20*.	3 oz.	1.75

## New ALLIED® 480 Low-Cost 4-Speed Automatic Turntable

Allied's Own Low-Cost  
Automatic Turntable  
Complete with Stereo  
Dual Ceramic Cartridge

**\$19.95**  
less  
base

\$5  
monthly

- Automatic Record Size Intermix
- Light Tracking for Low Record Wear



Shown on walnut base

## ALLIED 480 Automatic Stereo Turntable with Cartridge

All-new stereo automatic turntable offers excellent quality at exceptionally low cost. Plays stack of six 12", 10" or 7" records automatically, mixes 12", 10", 7" sizes of same speed. Automatic shutoff. Lightweight pickup arm offers excellent tracking for low record wear. Flip-over stereo ceramic cartridge provides excellent channel separation. Dual synthetic-sapphire needles play any

stereo or mono record. Nine-inch platter. All four speeds:  $16\frac{2}{3}$ ,  $33\frac{1}{3}$ , 45 and 78 rpm.  $13\frac{3}{16} \times 12$ ". Req.  $4\frac{1}{2}$ " above,  $1\frac{3}{4}$ " below mounting board. With cartridge, audio cables. Order 45-rpm automatic spindle, base below. For 115 volts, 60 Hz AC. Shpg. wt., 11 lbs.  
14 C 5460 X, \$5 Monthly..... 19.95  
14 C 5471 X, Walnut Base, 3 lbs..... 4.95  
14 C 5463, 45-rpm Spindle, 8 oz..... 1.29

Ideal Automatic Turntable  
for Low-Cost Stereo Systems  
or Upgrading Stereo Consoles

An excellent choice for second systems in the den, recreation room or bedroom—great for replacing record changers in consoles too—or simply use it to start your stereo system.

Get All Your Stereo Equipment on Allied's Credit Fund Plan

ALLIED 59



# DUAL Automatic Turntables and Cartridge

World-Famous DUAL  
by United Audio



A

Shown on W859 base

Model 1019  
.. Renowned  
for Quality  
Performance

New Dual Model 1109F Automatic  
Turntable.. Loaded with Deluxe  
Features for Superb Performance

B

only 1¢ more			only \$5 more		
Empire 888E \$39.95	Pickering V15/ATE-3 \$39.95	Shure M93E \$39.95	Empire 888TE \$49.95	Pickering XV15/AME \$49.95	Shure M91E \$49.95



Both Models Include These Big Features ..

 Heavy Platters .. 1019, 7 1/2 lbs. 1009F, 4 lbs.	 Single-Play Spindle Rotates with Record to Prevent Wear	 Variable Anti-Skate Compensation for Precise Tracking	 "Feather-Touch" Cue Control with One-Groove Accuracy	 6% Variable Pitch Control for Perfect Speed	 Precise Engineering Meets Professional Standards
--	---	---	--	---	--

## A 1019 Automatic Turntable with Cartridge

With Elliptical  
Stereo Cartridge

\$129.51

With Deluxe  
Stereo Elliptical

\$134.50

1019  
Alone

\$129.50

## B 1009F Automatic Turntable with Cartridge

With Elliptical  
Stereo Cartridge

\$109.51

With Deluxe  
Stereo Elliptical

\$114.50

1009F  
Alone

\$109.50

Save \$39.94. World-renowned Dual 1019 automatic turntable has every deluxe feature for superlative performance — acclaimed by audiophiles everywhere! Boasts dynamically balanced arm with adjustable counterweight; massive 7 1/2-lb. platter; precise cueing. Continuous-pole motor for smooth 16 2/3, 33 1/3, 45 and 78-rpm speeds, plus 6% vari-pitch range. 12 3/4 x 10 3/4". Requires 6" above, 3" below mtg. board. Choose Empire 888E, Pickering V15/ATE-3 or Shure M93E stereo elliptical cartridge for only 1¢ more. Order base and accessories below. For 115 VAC. From West Germany. Shpg. wt., 23 lbs.

13 C 0389 CDU. Specify Cartridge. \$7 Monthly. . . . . 129.51

1019 with Deluxe Stereo Elliptical Cartridge. Empire 888TE, Pickering XV15/AME or Shure M91E. 23 lbs.

13 C 0391 CDU. Specify Cartridge. \$7 Monthly. . . . . 134.50

13 C 3260 U. 1019 Alone. 23 lbs. \$7 Monthly. . . . . 129.50

Save \$39.94. Deluxe new automatic turntable is precision-made to assure the highest standard of performance. Provides automatic or manual operation in single-play or changer modes. Features special anti-skating device for precise tracking; effortless cueing; dynamically balanced 4-lb. platter. Fine, continuous-pole motor; 33 1/3, 45 and 78 rpm speeds, plus 6% vari-pitch range. 12 3/4 x 10 3/4". Req. 6" above, 3" below mtg. board. Choose Empire 888E, Pickering V15/ATE-3 or Shure M93E stereo elliptical cartridge for only 1¢ more. Order base, accessories below. 115 VAC. From W. Germany. 20 lbs.

13 C 0392 CDU. Specify Cartridge. \$6 Monthly. . . . . 109.51

1009F with Deluxe Stereo Elliptical Cartridge. Empire 888TE, Pickering XV15/AME or Shure M91E. 20 lbs.

13 C 0388 CDU. Specify Cartridge. \$6 Monthly. . . . . 114.50

13 C 3265 U. 1009F Alone. 20 lbs. \$6 Monthly. . . . . 109.50

### Genuine Dual Accessories for All Dual Models

13 C 3284 X. W859 Bose. Oiled Walnut. Wt., 4 lbs. . . . . 7.95

13 C 3286 X. DC1T Dust Cover. For WB59 above. 3 lbs. . . . . 8.95

13 C 3289 X. W893 Deluxe Bose. Oiled walnut. 5 lbs. . . . . 11.95

13 C 3295 X. DC3 Dust Cover. For WB93 above. 4 lbs. . . . . 8.95

13 C 3288 X. DCB3 Deluxe Bose/Dust Cover Combination. Cover tilts or removes for changer operation. 10 lbs. . . . . 29.50

13 C 320B. AS9 45-rpm Automatic Spindle. 10 oz. . . . . 5.95

13 C 3264. CH19 Extra Cartridge Holder. 3 oz. . . . . 3.95

### 1019 with Superb Empire 999VE Cartridge



\$25  
more

Save \$49.95 \$154.50 \$8  
monthly

Connoisseur's choice! Dual 1019 with Empire's sensational 999VE super elliptical stereo cartridge.

13 C 0071 DU. Wt., 23 lbs. . . . . 154.50



# DUAL Automatic Turntables and Cartridge

## Dual 1015F with Cartridge Offer

With Elliptical Stereo Cartridge	With Deluxe Stereo Elliptical	1015 Alone
<b>\$89.51</b>	<b>\$94.50</b>	<b>\$89.50</b>

Save \$39.94. Dual's deluxe features at moderate cost. Fine, dynamically balanced arm. Anti-skate; cuing; vernier speed control. 12 1/2 x 10 3/4". Empire 888E, Pickering V15/ATE-3 or Shure M93E—specify. Base, access. p. 60. 115 VAC. 13 C 0925 CDU. W. Ger. 16 lbs. .... 89.51

1015 and Deluxe Elliptical \$5 More. Save \$44.95. 888TE, XV15/AME, M91E. 16 lb 13 C 0930 CDU. Specify Cartridge... 94.50  
13 C 3253 U. 1015 Alone. 16 lbs. .... 89.50

## New 1212 Automatic Turntable

With Elliptical Stereo Cartridge	With Deluxe Stereo Elliptical	1212 Alone
<b>\$74.51</b>	<b>\$79.50</b>	<b>\$74.50</b>

Save to \$29.94. An outstanding value. Dynamically balanced arm; 3 speeds; vernier speed control; anti-skating; cuing. 12 3/4 x 10 3/4". Choose Empire 808E, Pickering V15/ACE-3, or Shure M32E—specify. Base, accessories page 60. 115 VAC. 13 C 0926 CDU. W. Ger. 16 lbs. .... 74.51

1212 and Deluxe Elliptical \$5 More. Save \$34.95. 888E, V15/ATE-3, M93E. 16 lbs. 13 C 0929 CDU. Specify Cartridge... 79.50  
13 C 3267 U. 1212 Alone. 16 lbs. .... 74.50

Latest Version of Dual 1015  
Three-Speed Automatic Turntable  
—by United Audio



only 1¢ more

Empire 888E \$39.95	Pickering V15/ATE-3 \$39.95	Shure M93E \$39.95

only \$5 more

Empire 888TE \$49.95	Pickering XV15/AME \$49.95	Shure M91E \$49.95



only 1¢ more

Empire 808E \$29.95	Pickering V15/ACE-3 \$29.95	Shure M32E \$29.50

only \$5 more

Empire 888E \$39.95	Pickering V15/ATE-3 \$39.95	Shure M93E \$39.95

## Exciting ELPA PE-2020 Turntable

### Deluxe Automatic Turntable for the Audio Perfectionist

Exclusive Vertical Tracking Adjustment for 15° Stylus Angle

Stylus Protection—Arm Will Not Descend on Empty Turntable

One-Lever Command Center Controls All Turntable Operations



With Elliptical Stereo Cartridge	With Deluxe Stereo Elliptical	PE-2020 Alone
<b>\$129.96</b>	<b>\$134.95</b>	<b>\$129.95</b>

Save \$39.94. Has every deluxe feature for finest performance. Anti-skating. Low mass arm tracks to 1/4 gram. Four-pole motor provides ±0.1% 16 2/3, 33 1/3, 45 and 78 rpm speeds, plus 6% pitch control. Dynamically-balanced 7 3/4-lb. platter. Automatic or manual play. 14 1/2 x 12". 888E, V15/ATE-3 or M93E cartridge. Order base, accessories, right. 115 VAC. W. Germany. 20 lbs. 13 C 0387 CDU. Specify Cartridge. 129.96

PE-2020 with Deluxe Cartridge \$5 More. Save \$44.95. Choose 888TE, XV15/AME or M91E. 20 lbs. 13 C 0384 CDU. Specify Cartridge. 134.95  
13 C 3273 U. PE-2020 Alone. .... 129.95  
13 C 3247 X. Walnut Base. 3 lbs. .... 11.95  
13 C 3245 X. Mtg. Board. 1 lb. .... 3.95  
13 C 3242. 45-rpm Automatic Spindle. Shpg. wt., 3 oz. .... 5.95  
13 C 3241. Cart. Mount. 3 oz. .... 5.95

Shown on walnut base

only 1¢ more

Empire 888E \$39.95	Pickering V15/ATE-3 \$39.95	Shure M93E \$39.95

only \$5 more

Empire 888TE \$49.95	Pickering XV15/AME \$49.95	Shure M91E \$49.95

For the Extra-Critical Audiophile—PE-2020 with 999VE

Superb PE-2020 and Empire's 999VE super-elliptical stereo cartridge. 20 lbs. 13 C 0149 DU. \$8 Monthly. .... 154.95

**\$25** more **Save \$49.95**  
**\$154.95**



Use Allied's Credit Fund Plan—No Money Down, Two Years to Pay



# BSR McDonald Automatic Turntables, Cartridge

With Elliptical Cartridge <b>\$74.51</b>	With Deluxe Elliptical <b>\$79.50</b>	Model 600 Alone <b>\$74.50</b>
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Shown on deluxe base

## 600 Turntable with Stereo Cartridge

Deluxe 4-speed automatic turntable is loaded with important features for superb performance and operating convenience. Precise cuing and pause control. Perfectly counterbalanced low-mass tubular aluminum pickup arm provides light tracking. Adjustable anti-skate compensation. Full-size heavy cast turnable platter.

Plays stack of records automatically or singles manually. Stereo muting feature prevents pops and clicks during record-changing cycle. Automatic shutoff.  $13\frac{1}{8} \times 11\frac{1}{4}$ ". Req. 4" above,  $2\frac{1}{2}$ " below mtg. board. Choose Empire 808E, Pickering V15/ACE-3 or Shure M32E stereo cartridge—specify. Order base, bottom of page. 115 VAC. Wt., 11 lbs.

13 C 0105 CDU. \$5 Monthly ..... 74.51

McDonald 600 With Deluxe Elliptical Cartridge for \$5 More. Choose Empire 888E, Pickering V15/ATE-3 or Shure M93E—specify. 11 lbs.

13 C 0106 CDU. \$5 Monthly ..... 79.50

13 C 3050 U. 600 Alone. \$5 Monthly ..... 74.50

**Save up to \$34.95**  
on Stereo Elliptical Cartridge  
with Purchase of BSR McDonald  
Model 600, 500A or 400

only 1¢ more

Empire 808E Reg. \$29.95  
Pickering V15/ACE-3 Reg. \$29.95  
Shure M32E Reg. \$29.50

only \$5 more

Empire 888E Reg. \$39.95  
Pickering V15/ATE-3 Reg. \$39.95  
Shure M93E Reg. \$39.95



Shown on deluxe base

With Elliptical Cartridge  
**\$59.51**

With Deluxe Elliptical  
**\$64.50**

Model 500A Alone  
**\$59.50**

## 500A Turntable with Stereo Cartridge

Exceptionally fine four-speed automatic turntable offers deluxe features and performance. Cuing, anti-skate, counterbalanced low-mass arm for light-tracking. Pop filter. Size,  $13\frac{1}{8} \times 11\frac{1}{4}$ ". Requires 4" above,  $2\frac{1}{2}$ " below mounting board. Choose Empire 808E, Pickering V15/ACE-3 or Shure M32E—specify. Order base below. For 115 VAC. Shpg. wt.,  $9\frac{1}{2}$  lbs.

13 C 0107 CDU. \$5 Monthly ..... 59.51

500A with Deluxe Elliptical Cort. Empire 888E, Pickering V15/ATE-3, Shure M93E—specify.

13 C 0108 CDU.  $9\frac{1}{2}$  lbs. \$5 Monthly ..... 64.50

13 C 3010 U. 500A Alone. \$5 Monthly ..... 59.50



With Elliptical Cartridge  
**\$49.51**

With Deluxe Elliptical  
**\$54.50**

Model 400 Alone  
**\$49.50**

## 400 Turntable with Stereo Cartridge

Excellent 4-speed automatic turntable boasts the same fine precision craftsmanship found in higher-priced McDoualds. Cuing. Jamproof low-mass arm. Anti-skate adjustment. Automatic or manual.  $13\frac{1}{8} \times 11\frac{1}{4}$ ". Requires 4" above,  $2\frac{1}{2}$ " below mtg. board. Empire 808E, Pickering V15/ACE-3 or Shure M32E—specify. Order base below. 115 VAC.  $9\frac{1}{2}$  lbs.

13 C 0109 CDU. \$5 Monthly ..... 49.51

400 with Deluxe Elliptical Cort. Empire 888E, Pickering V15/ATE-3, Shure M93E—specify.

13 C 0121 CDU.  $9\frac{1}{2}$  lbs. \$5 Monthly ..... 54.50

13 C 3011 U. 400 Alone. \$5 Monthly ..... 49.50

## Accessories for all BSR McDonald Automatic Turntables

13 C 3051 X. WB-6 Deluxe Base. Oiled walnut veneer. Black and silver trim. Recessed, scalloped top. 5 lbs. .... 12.00  
13 C 3058 X. WB-5 Base. Walnut grain.  $3\frac{3}{4}$  lbs. .... 6.00  
13 C 3113. AS-2 45-rpm Automatic Spindle Adapter Set. 45-rpm automatic adapter, plus bracket to store adapter and automatic or manual spindles. With mounting hardware. Shpg. wt., 8 oz. .... 2.25

Molded Dust Covers. Tinted, rigid molded dust covers. May be used while turntable is playing. Deluxe Model DC3 has vinyl walnut and silver trim.  $2\frac{3}{4}$  lbs.  
13 C 3093 X. Deluxe Model DC-3 ..... 7.00  
13 C 3090 X. Model DC-2 ..... 5.00  
13 C 3055 X. MB-2 Mounting Board. Unfinished.  $15\frac{7}{8} \times 15\frac{7}{8}$ ". May be trimmed.  $\frac{1}{2}$ " thick. 2 lbs. .... 2.25



# Top-Quality Turntables with Stereo Cartridges

## Miracord Automatic Turntables, Cartridge

PW50H. Four-speeds. Hysteresis motor. Auto. or man., pushbutton operation.  $14\frac{1}{2} \times 12\frac{1}{2}$ ". 888E, V15/ATE-3 or M93E. Base, below. 115 VAC. W. Germany.  
 13 C 0400 CDU. 20 lbs. *Specify Cartridge*.....149.51  
 13 C 0401 CDU. PW50H with Deluxe Elliptical. 888TE XV15/AME, M91E. 20 lbs. *Specify Cartridge*.....154.50  
 13 C 0402 DU. PW50H with Superb Empire 999VE Stereo Elliptical Cartridge. 20 lbs. \$9 Monthly.....179.50  
 13 C 3256 U. PW50H Alone. \$8 Monthly.....149.50  
 620. Four speeds. Auto. or man. Pushbuttons.  $13\frac{3}{8} \times 11\frac{5}{8}$ ". 888E, V15/ATE-3, M93E. W. Germany.  
 13 C 0415 CDU. 14 lbs. *Specify Cartridge*.....89.51  
 13 C 0416 CDU. 620 with Deluxe Elliptical. 888TE, XV15/AME, M91E. 14 lbs. *Specify Cartridge*.....94.50  
 13 C 3146 U. 620 Alone. \$5 Monthly.....89.50

### Miracord Accessories

13 C 3257X. RB2A Walnut Base. PW50H, 620. 3 lbs. 6.95  
 13 C 3239 X. DC3 Dust Cover. PW50H, 620. 2 lbs. 5.95  
 13 C 3193. CR50 Extra Cart. Mt. PW50H. 3 oz.....5.00  
 13 C 3195. CR600 Extra Cart. Mt. 620. 3 oz.....3.00

With Elliptical Cartridge	\$149 <sup>51</sup>
With Deluxe Elliptical	\$154 <sup>50</sup>
PW50H Alone	\$149 <sup>50</sup>



PW50H

Shown on base

With Elliptical Cartridge	\$89 <sup>51</sup>
With Deluxe Elliptical	\$94 <sup>50</sup>
620 Alone	\$89 <sup>50</sup>

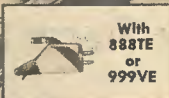


620

New 980A Arm with Anti-Skate Feature



With 888TE \$199<sup>95</sup> With 999VE \$224<sup>95</sup>

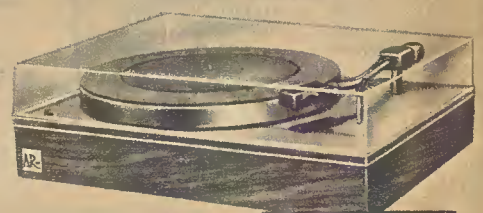


## Empire 398A-G Turntable with Cartridge

Professional-quality turntable outfit with walnut base and Empire 888TE "Super-Elliptical" Stereo Cartridge. New 980A pickup arm has anti-skate feature. Hysteresis motor, belt drive, massive 6-lb. platter.  $33\frac{1}{8}$ , 45, 78 rpm.  $7\frac{1}{2} \times 17 \times 15$ ". 115 VAC.  
 13 C 0417 DU. 28 lbs. \$10 Monthly.....199.95  
 Empire 398A-G with 999VE. Empire's finest stereo elliptical cartridge. Connoisseur's choice.  
 13 C 0418 DU. 28 lbs. \$12 Monthly.....224.95

## Famous AR "XA" Turntable with Cartridge

With Conical	\$78 <sup>01</sup>
With Elliptical	\$83 <sup>00</sup>
XA Alone	\$78 <sup>00</sup>



Save \$24.94. Superb manual turntable. Viscous-damped 12" arm,  $33\frac{1}{8}$ , 45 rpm belt drive,  $3\frac{1}{2}$ -lb. platter. With walnut base, dust cover, stereo cartridge. Empire 888, Pick'g. V15/AC-3, Shure M75-6—specify.  $5\frac{1}{4} \times 16\frac{3}{4} \times 12\frac{1}{2}$ ". 115 VAC.  
 13 C 0379 CDU. 20 lbs.....78.01  
 XA with Elliptical Cartridge. Save \$24.95. 888E, V15/ATE-3, M93E—specify. Shpg. wt., 20 lbs.  
 13 C 0393 CDU.....83.00  
 13 C 3119 U. XA Alone.....78.00

only 1¢ more

888 \$24.95	V15/AC-3 \$24.95	M75-6 \$24.95

only \$5 more

888E \$39.95	V15/ATE-3 \$39.95	M93E \$39.95

## Bogen 4-Speed Turntables with Cartridge Offer



With Stereo Cartridge \$49<sup>96</sup> B-52 Alone \$49<sup>95</sup>

STEREO CARTRIDGE

only 1¢ more

Empire 888 Reg. \$24.95	Pickering V15/AC-3 Reg. \$24.95	Shure M75-6 Reg. \$24.95



With Stereo Cartridge \$67<sup>96</sup> B-62 Alone \$67<sup>95</sup>

## B-52 Manual Turntable and Stereo Cartridge

Save \$24.94. Features variable speed from 29-86 rpm; click-stops for 4 speeds. 4-pole motor. Counterweighted arm, cuing control, 11" platter.  $3\frac{1}{2} \times 14\frac{3}{4} \times 11\frac{1}{8}$ ". Optional base below. Choose Empire 888, Pickering V15/AC-3, Shure M75-6 stereo cartridge. 115 VAC. 16 lbs.  
 13 C 0398 CDU. *Specify Cartridge*. \$5 Monthly.....49.96  
 13 C 3296 U. B-52 Alone. 16 lbs. \$5 Monthly.....49.95  
 13 C 3293 X. PB9 Walnut Base. 3 lbs.....8.25

## Deluxe B-62 Manual Turntable with Cartridge

Save \$24.94. Variable 29-86 rpm speed; also 4 click-stops. Counterweighted arm, cuing.  $15\frac{1}{4} \times 13\frac{3}{4}$ ". Optional base below. Choose Empire 888, Pickering V15/AC-3 or Shure M75-6 stereo cartridge. 115 VAC. 23 lbs.  
 13 C 0399 CDU. *Specify Cartridge*. \$5 Monthly.....67.96  
 13 C 3277 X. B-62 Alone. 23 lbs. \$5 Monthly.....67.95  
 13 C 3278 X. PB7 Walnut Base. 3 lbs.....8.25  
 13 C 3221 X. COV-1 Dust Cover. 2 lbs.....8.25

Never a Down Payment with Allied's Credit Fund Plan



# PICKERING Magnetic Stereo Cartridges

## "XV" SERIES

## World-Famous V and P Series Pickering Cartridges



### XV-15/AME Deluxe Elliptical

For the very finest manual and automatic turntables. Extra-light tracking .0003" x .0009" elliptical diamond stylus. Response, 10-30,000 Hz. 35 dB separation. Tracks  $\frac{3}{4}$ -1 $\frac{1}{2}$  grams. With "Dustamatic" record cleaning brush. Shpg. wt., 3 oz.  
13 C 3931 S. \$5 Monthly.....49.95

### XV-15/ATE Stereo Elliptical

For automatic turntables. Light-tracking .0004" x .0009" elliptical diamond stylus. Response, 10-25,000 Hz. 35 dB separation. Tracks from 2-5 grams. With "Dustamatic" record cleaning brush. Shpg. wt., 3 oz.  
13 C 3932 S. \$5 Monthly.....44.95

### XV-15/AT Conical Cartridge

For automatic turntables including economy models. .0007" tip diamond stylus. Response, 10-25,000 Hz. 35 dB separation. Tracks from 2-5 grams. With "Dustamatic" record cleaning brush. Shpg. wt., 3 oz.  
13 C 3937 S. \$5 Monthly.....34.95



V15/AME-3 V15/AT-3  
V15/AM-3 V15/ACE-3  
V15/ATE-3 V15/AC-3



V15/AC-2  
P/AT-1  
P/AC-1

**A** V15/AME-3 Elliptical. 15°. .0003" x .0009" diamond stylus. 10-25,000 Hz. 32 dB sep.  $\frac{3}{4}$ -1 $\frac{1}{2}$  grams. Brush. 13 C 3890 S. 3 oz. \$5 Monthly...44.95

**A** V15/AM-3 Conical. .0007" conical-tip diamond stylus. 10-23,000 Hz. 32 dB sep. 1-3 grams. Brush. 13 C 3893 S. 3 oz. \$5 Monthly...34.95

**A** V15/ATE-3 Elliptical. .0004" x .0009" diamond stylus. 10-23,000 Hz. 32 dB sep. 2-5 grams. Brush. 13 C 3892 S. 3 oz. \$5 Monthly...39.95

**A** V15/AT-3 Conical. .0007" conical-tip diamond stylus. 10-25,000 Hz. 32 dB sep. 2-5 grams. Brush. 13 C 3894 S. 3 oz. \$5 Monthly...29.95

**A** V15/ACE-3 Elliptical. .0005" x .0009" diamond stylus. 10-20,000 Hz. 26 dB sep. 3-5 grams. Brush. 13 C 3929 S. 3 oz. \$5 Monthly...29.95

**A** V15/AC-3 Conical. .0007" conical-tip diamond stylus. 10-20,000 Hz. 26 dB sep. 3-7 grams. Brush. 13 C 3897 S. 3 oz. \$5 Monthly...24.95

**B** V15/AC-2 Conical. .0007" diamond. 20-20,000 Hz. 26 dB. 3-7 grams. 13 C 3844 C. 3 oz. \$5 Monthly...21.95

**B** P/AT-1 Conical. .0007" diamond. 20-15,000 Hz. 2-5 grams. 13 C 3917 S. 3 oz. \$5 Monthly...19.95

**B** P/AC-1. Above, but 3-7 grams. 13 C 3918 S. 3 oz. ....17.95



Special  
Purchase  
\$19.95  
\$5 monthly

### V15/AME-2 Stereo Cartridge

Popular stereo elliptical cartridge for manual and automatic turntables, 15°. .0003" x .0009" diamond stylus. 20-25,000 Hz. 35 dB sep.  $\frac{3}{4}$ -1 $\frac{1}{2}$  grams. 3 oz.  
13 C 3895 S. \$5 Monthly.....19.95

# SHURE "Dynetic" Magnetic Stereo Cartridges



M91E  
M92E  
M93E

## HI-TRACK SERIES

### M91E Deluxe Stereo Elliptical

Features optimized design parameters for superb trackability. Bi-radial .0002" x .0007" diamond stylus. 20-20,000 Hz. 25 dB sep. Tracks from  $\frac{3}{4}$ -1 $\frac{1}{2}$  grams. Trackability at 1 gram; 28 cm/sec at 1 kHz. Wt., 6 oz.  
13 C 3828 S. \$5 Monthly.....49.95

### M92E Elliptical Cartridge

Bi-radial .0002" x .0007" diamond stylus. 20-20,000 Hz. 25 dB sep. Tracks  $\frac{3}{4}$ -1 $\frac{1}{2}$  grams. Trackability; 26 cm/sec at 1 kHz. 6 oz.  
13 C 3829 S. \$5 Monthly.....44.95

### M93E Elliptical Cartridge

Provides exceptional performance in automatic or manual turntables. Bi-radial .0004" x .0007" diamond stylus. 20-20,000 Hz. 25 dB sep. Tracks from 1 $\frac{1}{2}$ -3 grams. 6 oz.  
13 C 3842 S. \$5 Monthly.....39.95



### M75-6 Conical

.0006" conical stylus. 20-20,000 Hz. 25 dB sep. 1 $\frac{1}{2}$ -3 grams. Wt., 6 oz.  
13 C 3850 S. ....24.50

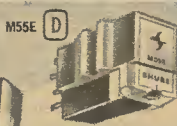


M32E

**C** M32E Elliptical. Fine, low-cost cartridge with .0004" x .0007" diamond stylus. Response, 20-17,500 Hz. Compliance, 10x10<sup>-6</sup> cm/dyne. Separation, 20 dB. Tracks from 2 to 5 grams. Shpg. wt., 3 oz.  
13 C 3879 S. \$5 Monthly.....29.50

**D** M55E Elliptical. Famous elliptical cartridge boasts 15°. .0002" x .0007" diamond stylus. Frequency response, 20-20,000 Hz. Separation, 25 dB. Tracks from  $\frac{3}{4}$  to 1 $\frac{1}{2}$  grams. Shpg. wt., 6 oz.  
13 C 3827 S. \$5 Monthly.....35.50

**E** M44E Elliptical. Features .0004" x .0007" elliptical diamond stylus. Frequency response, 20-20,000 Hz. Separation, 25 dB. Wide tracking force range from 1 $\frac{3}{4}$  to 4 grams. Shpg. wt., 6 oz.  
13 C 3887 S. \$5 Monthly.....34.50



M7/N21D

**E** M44C Conical. Has 15°. .0007" conical-tip diamond stylus. 20-20,000 Hz. Separation, 25 dB. Tracks from 1 $\frac{1}{2}$  to 5 grams.  
13 C 3934 S. Shpg. wt., 4 oz. ....17.95

**E** M44-7 Conical. Retractable needle. 15°. .0007" diamond stylus. 20-20,000 Hz. Separation, 25 dB. Tracks from 1 $\frac{1}{2}$  to 3 grams.  
13 C 3820 S. 6 oz. \$5 Monthly...19.95

**F** M7/N21D Conical. .0007" conical diamond stylus. 20-20,000 Hz. Separation, 20 dB. Tracks from 1 $\frac{1}{2}$  to 2 $\frac{1}{2}$  grams.  
13 C 3915 S. Shpg. wt., 3 oz. ....17.95

**G** M3D Conical. Ever-popular economy cartridge. Has .0007" conical-tip diamond stylus. Response, 20-15,000 Hz. 20 dB separation. Tracking force range, from 3-6 grams.  
13 C 3900 S. Shpg. wt., 3 oz. ....9.95



### V15 Type II "Super Track" Elliptical Cartridge

Top rated cartridge provides maximum trackability at minimum tracking forces. Bi-radial .0002" x .0007" diamond stylus. 20-25,000 Hz. Over 25 dB separation. Tracks from  $\frac{3}{4}$ -1 $\frac{1}{2}$  grams. Trackability at 1 gram, 30 cm/sec at 1000 Hz.  
13 C 3886 S. Shpg. wt., 6 oz. \$5 Monthly.....67.50



# EMPIRE Magnetic Stereo Cartridges

## A Famous Empire "888" Series Stereo Magnetic Cartridges

**888TE Elliptical.** Widely-acclaimed stereo cartridge is ideal for high-performance manual and automatic turntables. Has 15° .0002" x .0007" elliptical diamond stylus. Frequency response, 8-32,000 Hz. Output, 6.0 mV per channel. Channel separation, 30 dB. Compliance, 25x10<sup>-6</sup> cm/dyne. Tracks from 1/2 to 3 grams. Shpg. wt., 4 oz.  
13 C 3964 S. \$5 Monthly.....49.95

**888E Elliptical.** Favorite choice for fine manual and automatic turntables. Features 15° .0004" x .0009" elliptical diamond stylus. Response, 10-30,000 Hz. Output, 8.0 mV per channel. Separation, 30 dB. Compliance, 15x10<sup>-6</sup> cm/dyne. Tracks from 3/4 to 4 grams. Shpg. wt., 4 oz.  
13 C 3992 S. \$5 Monthly.....39.95

**888P Deluxe Conical.** Reproduces the entire musical range with amazing preciseness and clarity. Hand-polished 15° .0006" conical-tip diamond stylus. Response, 10-28,000 Hz. Output, 8.0 mV per channel. Better than 30 dB separation. Compliance, 15x10<sup>-6</sup> cm/dyne. Tracks from 1/2 to 4 grams. Shpg. wt., 4 oz.  
13 C 3986 S. \$5 Monthly.....29.95

**888 Conical.** Moderately-priced cartridge performs admirably in manual and automatic turntables. Features a 15° .0007" conical-tip diamond stylus. Response, 12-25,000 Hz. Output, 8.0 mV per channel. Razor-sharp 30 dB stereo channel separation. Compliance, 10x10<sup>-6</sup> cm/dyne. Tracks from 3/4 to 5 grams. Wt., 4 oz.  
13 C 3985 S. \$5 Monthly.....24.95

## B Popular Empire "808" Series Stereo Magnetic Cartridges

**808E Elliptical.** 15° .0004" x .0009" elliptical diamond stylus. Response, 10-25,000 Hz. Output, 8.0 mV per channel. Separation, 30 dB. Compliance, 12x10<sup>-6</sup> cm/dyne. Tracks from 1 to 4 grams. Wt., 4 oz.  
13 C 3969 S. \$5 Monthly.....29.95

**808 Conical.** Has .0007" conical-tip diamond stylus. Response, 15-20,000 Hz. Output, 8.0 mV per channel. Separation, 30 dB. Compliance, 8x10<sup>-6</sup> cm/dyne. Tracks from 1 to 5 grams. Shpg. wt., 4 oz.  
13 C 3982 S. \$5 Monthly.....19.95

## Superb Empire "VE" Series Stereo Magnetic Cartridges



999VE



888VE

**999VE Deluxe Elliptical.** Empire's finest! For the perfectionist. Has .0002" x .0007" diamond stylus. 6-35,000 Hz. Output, 5.0 mV per ch. Comp., 30x10<sup>-6</sup> cm/dyne. Sep., 30 dB. Tracks 1/2 to 1 1/2 grams. 4 oz.  
13 C 3976 S. \$5 Monthly.....74.95

**New 888VE Deluxe Elliptical.** Lower priced version of famed 999VE. Has .0002" x .0007" diamond stylus. 6-32,000 Hz. Output, 5.0 mV per ch. Comp., 30x10<sup>-6</sup> cm/dyne. Sep., 30 dB. Tracks 1/2 to 1 3/4 grams. 4 oz.  
13 C 3977 S. \$5 Monthly.....59.95



A 888TE  
888E  
888P  
888

B 808E  
808

## SPECIAL-PURCHASE VALUE



\$2195

\$5 monthly

888SE Super-Elliptical

Allied special purchase makes this low price possible. Ideal for fine manual and automatic turntables. Has 15° .0003" x .0007" elliptical diamond stylus. 6-32,000 Hz. Sep., 30 dB. Comp., 25x10<sup>-6</sup> cm/dyne. Tracks from 1/2 to 3 grams. 4 oz.  
13 C 3991 S. \$5 Monthly.....21.95

## ADC, ELAC and SONOTONE Stereo Cartridges



C 10E MKII



D 550E



E 990E  
220



F 444E



G 9TAFHC-D77V

**C ADC 10E MKII Elliptical:** ADC's finest cartridge boasts 15° .0003" x .0007" diamond stylus. Response, 10-20,000 Hz. Compliance, 35x10<sup>-6</sup> cm/dyne. Separation, 30 dB. Tracks from 1/2 to 1 1/2 grams. Shpg. wt., 4 oz.  
13 C 3834 S. \$5 Monthly.....59.50

**D New ADC 550E Elliptical.** Features "induced magnet" for minimum distortion and record wear. 15° .0003" x .0007" elliptical diamond stylus. 10-20,000 Hz. Comp., 28x10<sup>-6</sup> cm/dyne. Sep., 30 dB. Tracks 3/4-2 1/2 grams.  
13 C 3833 S. 4 oz. \$5 Monthly....49.50

**E ADC 990E Elliptical.** Low-price elliptical for automatic and manual turntables. Has 15° .0003" x .0007" elliptical diamond stylus. 10-18,000 Hz. 18x10<sup>-6</sup> cm/dyne. Sep., 20 dB. Tracks 1 1/2-4 grams. 4 oz.  
13 C 3840 S. \$5 Monthly.....29.50

**E ADC 220 Conical.** Good quality stereo cartridge features 15° .0007" conical-tip diamond stylus. Response, 10-18,000 Hz. Compliance, 15x10<sup>-6</sup> cm/dyne. Separation, 20 dB. Tracks 2-5 grams. 4 oz.  
13 C 3967 S. \$5 Monthly.....19.50

**F New Elac 444E Elliptical.** Professional quality deluxe cartridge has 15° .0002" x .0009" diamond stylus. Response, 10-25,000 Hz. Compliance, 25x10<sup>-6</sup> cm/dyne. Separation, 30 dB. Tracks 1/2-1 1/2 grams; 4 oz.  
13 C 3830 S. \$5 Monthly.....69.50

**G Sonotone 9TAFHC-D77V Conical.** Ceramic cartridge matches magnetic inputs. Has dual .0007" diamond styli. 20-20,000 Hz. Compliance, 15x10<sup>-6</sup> cm/dyne. Sep., 30 dB. Tracks from 1 1/2-4 grams. 9 oz.  
13 C 3823 S.....14.55

Open A Convenient Allied Credit Fund Account Now

ALLIED 65



# Replacement Needles, Pickup Arms and Preamps

Manufacturer's Exact-Replacement Needles for Stereo Hi-Fi Cartridges

- Made by the Cartridge Manufacturer to Duplicate the Original Needle
- Precision Manufactured to Insure Exact Performance
- Wide Selection to Fit Most Popular Stereo Cartridges

## PROTECT YOUR RECORDS WITH THE BEST

Precision replacement needles made by the original cartridge manufacturer, so performance exactly duplicates the original needle. These are exact replacements for exact performance. When you use a replacement needle be sure of top quality by selecting from this list. Selection includes needles from the most popular cartridge manufacturers for their most popular models. "For" column indicates cartridges.



## Choose the Exact-Replacement Needle for Your Stereo Cartridge

Stock No.	Mfr.	Needle Type	Size	For	EACH	Stock No.	Mfr.	Needle Type	Size	For	EACH
13 C 3836 S	Shure	VN2E	Ellipt.	V-15	25.00	13 C 3959 S	Pick.	D3807C	.0007"	Pick., KLH, Pilot, Fisher 380C	10.90
13 C 3231 S	Shure	VN15E	Ellipt.	V-15 Type II	27.00	13 C 3805 S	Pick.	D3807ATG	.0007"	38ATG Series	12.00
13 C 3318 S	Shure	N32E	Ellipt.	M32E	14.50	13 C 3321 S	Pick.	4500AME	Ellipt.	XV/15AME	26.95
13 C 3808 S	Shure	N99	.0007"	M99 Series	12.95	13 C 3322 S	Pick.	4507AM	.0007"	XV15/AM	22.95
13 C 3837 S	Shure	N44-5	.0005"	M44-5	11.00	13 C 3323 S	Pick.	4500ATE	Ellipt.	XV15/ATE	24.95
13 C 3838 S	Shure	N44-7	.0007"	M44-7, M98/A	9.75	13 C 3324 S	Pick.	4507AT	.0007"	XV15/AT	14.95
13 C 3923 S	Shure	N21-D	.0007"	M7, M3/N21D	11.00	13 C 3303 S	Pick.	4507AC	.0007"	XV15/AC	12.40
13 C 3839 S	Shure	N55E	Ellipt.	M55E, M80 Series	17.75	13 C 3334 S	Pick.	D1507AM-2	.0007"	Pick. V15/AM-2, Fisher FG, Scott V15/AM-2	12.25
13 C 3920 S	Shure	N3D	.0007"	M3D, M7D, M8D	7.95	13 C 3335 S	Pick.	D1507AC-2	.0007"	V15/AC-2, -1; Bogen V15/AC-2; Col. V15/AC-2; Fisher V15/AC-1; Pilot HS/CAC, CAC, V15/AC-1	9.95
13 C 3862 S	Shure	N44C	.0007"	M44C	9.00	13 C 3908 S	Empire	S880P-6RD	.0006"	880P	12.95
13 C 3312 S	Shure	N44E	Ellipt.	M44E	17.25	13 C 3845 S	Empire	S880PE-ERD	Ellipt.	880PE	18.95
13 C 3828 S	Shure	N91E	Ellipt.	M91E	24.50	13 C 3906 S	Empire	S880-7RD	.0007"	880	9.95
13 C 3829 S	Shure	N92E	Ellipt.	M92E	22.50	13 C 3859 S	Empire	S883P-6RD	.0006"	883P	13.95
13 C 3842 S	Shure	N93E	Ellipt.	M93E	19.50	13 C 3860 S	Empire	S883PE-ERD	Ellipt.	883PE	15.95
13 C 3850 S	Shure	N75-6	Ellipt.	M75-6	11.35	13 C 3861 S	Empire	S883-7RD	.0007"	883	10.95
13 C 3866 S	Pick.	PD07/C	.0007"	P/AC-1	9.15	13 C 3232 S	Empire	S888E-ERD	Ellipt.	888E	17.45
13 C 3843 S	Pick.	D1500AME-2	Ellipt.	V15/AME-1, 2	19.90	13 C 3304 S	Empire	S888SE-ERD	Ellipt.	888SE	22.45
13 C 3305 S	Pick.	D1500AME-3	Ellipt.	V15/AME-3	24.95	13 C 3325 S	Empire	S808E-ERD	Ellipt.	808E	14.95
13 C 3306 S	Pick.	D1500ATE-3	Ellipt.	V15/ATE-3	22.50	13 C 3326 S	Empire	S808-7RD	.0007"	808	10.95
13 C 3308 S	Pick.	D1507AT-3	.0007"	Pick. V15/AT-3, Sony V15/AT-3, KLH HBAT-2B	13.75	13 C 3328 S	Empire	S888TE-ERD	Ellipt.	888TE	24.95
13 C 3309 S	Pick.	D1500ATE-2	Ellipt.	V15/ATE-2	17.90	13 C 3806 S	Empire	S888VE-ERD	Ellipt.	888VE	29.95
13 C 3863 S	Pick.	D1507AT-2	.0007"	V15/AT-2, -1; Columbia V15/ATM; Fisher "F" and V15/AT-1; KLH V15/AT-1, HAT, HAT-2, and HBAT-2; Scott V15/AT-2; Singer HAT-2 and V15AT-2; and V15AT-1, Sylvania L-1, V15/AT-1, -2, L2, HAT-2, HSAT-2, ATM	10.95	13 C 3329 S	Empire	S999VE-ERD	Ellipt.	999VE	36.95
13 C 3319 S	Pick.	D1500ACE-3	Ellipt.	V15/ACE-3	20.40	13 C 3330 S	ADC	R12-E	Ellipt.	10E, 10E MK II	22.50
13 C 3320 S	Pick.	PD07/T	.0007"	P/AT	9.90	13 C 3847 S	ADC	R-4-E	Ellipt.	Point-Four-E	25.00

## Stereo Turntable Pickup Arms and Preamplifiers

### New Empire Pickup Arm



\$59<sup>95</sup>

\$5 monthly

### Rek-O-Kut Pickup Arm



\$34<sup>95</sup>

\$5 monthly



Shure  
Solid-State  
Stereo  
Preamp  
\$27<sup>50</sup>

\$5 monthly

Model 980A. Deluxe 12" gold-finish stereo arm features superb balance—can actually track upside down! Anti-skate control prevents unequal pressure on stylus. Tracking error, ±0.650. Arm resonance, 6 Hz. Tracking force, 0 to 8 grams. Overhang adjustment. Rich satin-gold finish. Less cartridge. Shpg. wt., 5 lbs.  
13 C 2325 X. \$5 Monthly..... 59.95

Model S-320. 12" stereo pickup arm. Exact lateral balance is assured by specially designed, exclusive Rek-O-Kut "Omni-Balance" feature. Isolated counterweight. Tracks at less than 1 gram. Single-hole mounting. Less cartridge. Shpg. wt., 2½ lbs.  
13 C 3020 X. \$5 Monthly..... 34.95  
13 C 3024. PS-20L Extra Plug-In Head. Shpg. wt., 6 oz..... 5.95

M61-1. Provides gain and equalization to convert consoles and phonos from crystal or ceramic cartridge to magnetic, true hi-fi stereo cartridge or tape head. Also used as a mike preamp. Permits use of up to 50' cable. 5¼x 2½x2½". 110-120 VAC. 2½ lbs.  
13 C 3103. \$5 Monthly..... 27.50  
13 C 3106. M65. Same, but with vacuum tubes, instead of semiconductors 23.52



# 7-pages of Our Own ALLIED® Speaker Systems

ALLIED Speaker Systems are made to our specs by leading manufacturers. Each model must pass the tests of our own Quality Control Department. You can pay more, but you'll never get as much value!

## GET IMPORTANT ADVANTAGES WHEN YOU CHOOSE ALLIED

Complete Line of Speaker Systems. A full range of prices . . . from \$9.95 to \$149.95 . . . o model for every pocketbook.

You Get Extra Quality. Only true hi-fi speakers are used for finest sound. Cabinets have fine furniture veneers.

You Get a Money-back Guarantee. You must be satisfied with your Allied speaker system. See page 450 for information.

## Our Finest Allied Hi-Fi Speaker System

ALLIED

### Allied 2380 Three-Way 15-inch Floor/Shelf Speaker System

With Base **\$149<sup>95</sup>** \$8 monthly

- Response from 20 Hz to Beyond Audio Range
- Woofer Has Massive 5 1/4-Lb. Magnet Structure
- Ultra-Smooth Compression Midrange Horn
- Dome-Radiator Tweeter for Crystal-Clear Highs
- Striking Hand-Sculptured Solid Walnut Moldings

The 2380 is not only our best hi-fi speaker system, but there is no other system at this price with so many fine features. Powerful 15" woofer, with 5 1/4-pound magnet structure, reproduces even the lowest pipe-organ bass frequencies. Midrange speaker and dome-radiator tweeter complement the woofer for a thrilling frequency response of 20 Hz to beyond the audio range.

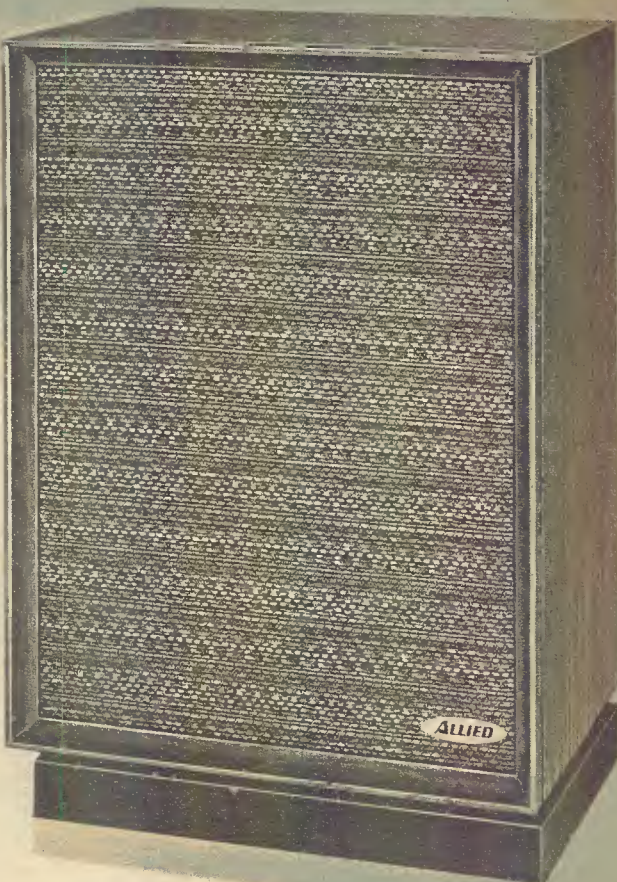
The hand-sculptured solid-walnut moldings, the flush-grooved 3 1/4-inch base, the richly accented grille cloth, and the fine furniture veneers all combine to place the Allied 2380 in a special class of its own. Evidence of careful hand-crafting throughout will give you pride of ownership for many years to come.

Operates equally well vertically on floor base or horizontally on shelf. 3/4-inch hardwood construction throughout eliminates possibility of unwanted resonances. Finished in luxurious hand-rubbed oiled walnut veneer on all four sides. With handsome satin-black base for floor use. Size, 30 1/4 x 20 1/2 x 14". Wt., 55 lbs.

20 C 9714 Z. \$8 Monthly. . . . . 149.95

#### SPECIFICATIONS

**Overall Frequency Response:** 20 Hz to beyond audio range. **Woofer:** 15-inch high compliance; cloth-roll suspension; 5 1/4-lb. magnet structure. 1 1/2-inch voice coil. Voice coil excursions of up to 1 1/8 inches. Flux density, 6975 gauss. Response, 16 Hz. Response of 20-2000 Hz. **Midrange:** die-cast compression horn; 4-oz. magnet structure; Flux, 8100 gauss. 1-inch voice coil. Response of 2000-10,000 Hz. **Tweeter:** dome radiator; 9-oz. magnet structure. 1-inch voice coil. Flux 12,200 gauss. Response of 10,000 Hz to beyond audio range. **Crossovers:** 2000 and 10,000 Hz. **Capacity:** 50 watts, 100 watts peak. **Imp.:** 8 ohms.



- Dome Radiator VHF Tweeter
- Die-Cast Compression Midrange Horn
- Precision-Tuned Port
- 3/4-inch Paneling with Genuine Walnut Veneer
- High-Compliance 15-inch Woofer

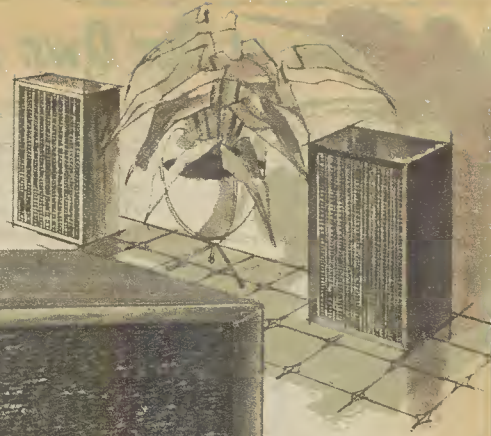
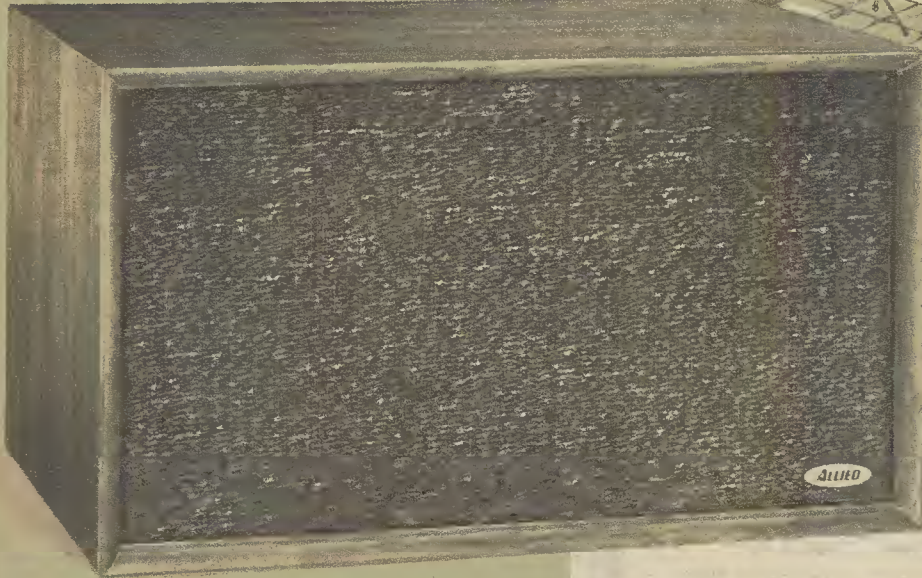
Buy Extra-Value ALLIED Speakers on Allied's Credit Fund Plan

ALLIED 67



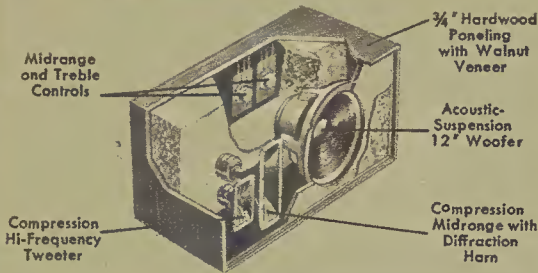
# W Our Best ALLIED Bookcase System

ASSEMBLE THIS KIT AND SAVE \$20.00



Kit Form  
**\$99<sup>95</sup>**  
\$5 monthly

Assembled  
**\$119<sup>95</sup>**  
\$6 monthly



## New ALLIED 2370K Three-Way 12-inch Acoustic-Suspension Bookshelf Speaker System Kit

- Hear Powerful Distortion-Free Bass Down to 20 Hz
- Compression-Type Midrange and Tweeter Diffraction Horns
- Two Level Controls Adjust Tweeter and Midrange Speakers
- Enclosure Is Fiberglos Filled to Prevent Resonance
- Easy to Assemble—All You Need Is a Screwdriver

The new Allied 2370K is the finest 3-way 12" acoustic-suspension speaker system kit available at such a modest price. You could spend far more and still not get its deluxe features. The 12" bass speaker, matched to the size and characteristics of the enclosure, reproduces solid undistorted bass down to 20 Hz.

Compression-type midrange with diffraction horn reproduces the mid-frequencies of the orchestra with a realism that will delight the most critical listener. The high-frequency tweeter, a compression-type wide-dispersion diffraction horn, sounds the treble notes of the orchestra with ease and fidelity. It reproduces distortion-free sound past the range of the human ear.

Crossover frequencies at 1000 and 5000 permit each speaker to reproduce only those frequencies for which it is specifically designed, thus eliminating distortion and insuring finest sound. Two level controls for midrange and tweeter permit adjustment to your personal taste. You'll be pleased at the ease with which you can assemble this kit—all you need is a screwdriver. To apply a handsome finish, just rub in the oil (supplied). With all parts, finishing oil, instructions. 14x25x13". Shpg. wt., 50 lbs.

20 C 9729 Z. Kit Form. \$5 Monthly..... 99.95  
20 C 9730 Z. Factory Assembled, Finished..... 119.95

### SPECIFICATIONS

**Overall Frequency Response:** 20 Hz to beyond audio range.

**Woofer:** 12-inch acoustic-suspension, high-compliance with 3½-pound magnet structure. Flux, 6000 gauss, 2-inch, 4-layer voice coil. Frequency response, 20-1000 Hz.

**Midrange:** compression type with wide-dispersion diffraction horn, 6-oz. magnet structure, 1" voice coil. Flux, 7000 gauss. 1000 to 5000 Hz.

**Tweeter:** compression type with diffraction horn, 13-oz. Alnico V magnet structure, and 1-inch voice coil. Flux, 9000 gauss. Frequency response, to beyond audio range.

**Power Capacity:** 35 watts (70 watts peak).

**Crossovers:** 1000 and 5000 Hz.

**Voice Coil Impedance:** 8 ohms.

**Controls:** 2 level—adjust tweeter and midrange.

**Overall Size of Enclosure:** 14x25x13".

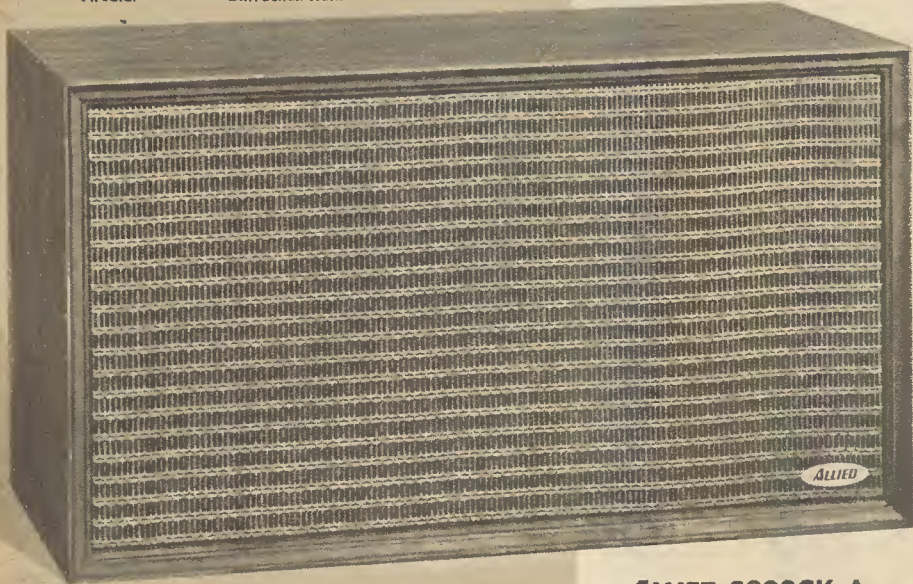
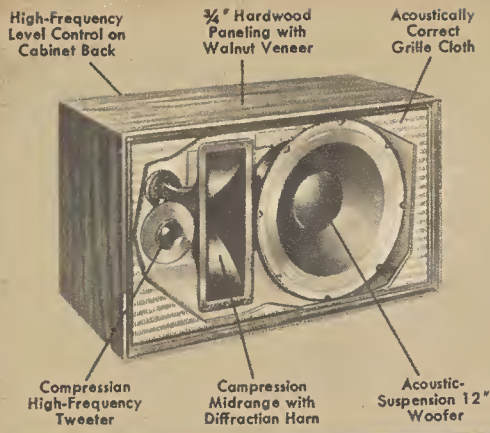
**Material:** Solid ¾-inch hardwood paneling with walnut veneer.





# Acoustic-Suspension Three-Way System

ASSEMBLE THIS TOP-QUALITY KIT  
AND SAVE \$20.00



Kit Form  
**\$79<sup>95</sup>**  
\$5 monthly

Assembled  
**\$99<sup>95</sup>**  
\$5 monthly

### SPECIFICATIONS

- Overall Frequency Response:** 25 to over 20,000 Hz.
- Woofers:** 12-inch acoustic-suspension, high-compliance, cloth-roll with 6 $\frac{3}{4}$ -pound ceramic magnet structure. Flux, 12,000 gauss. 2-inch voice coil. Response, 25-1000 Hz.
- Midrange:** compression driver with wide-dispersion Cvclocac<sup>®</sup> diffraction horn and 6-ounce Alnico V magnet structure. Flux, 8500 gauss.  $\frac{3}{4}$ -inch voice coil. Response, 1000-5000 Hz.
- Tweeter:** compression type, ring-radiator with 6-oz. Alnico V magnet structure and  $\frac{3}{4}$ -inch voice coil. Response, 5000 Hz to beyond 20,000 Hz.
- Crossover Network:** electrical crossovers at 1000 and 5000 Hz.
- Power Handling Capacity:** 30 watts (60 watts peak)
- Voice Coil Impedance:** 8 ohms.
- Overall Size:** 14x25x13 $\frac{1}{2}$ -inches deep.
- Controls:** Tweeter balance.
- Material:**  $\frac{3}{4}$ -inch hardwood with walnut veneer.

### ALLIED 2300CK Acoustic-Suspension Three-Way 12" Speaker System Kit

- Distortion-Free Bass Down to 25 Hz Without Booming
- Compression Tweeter Responds Beyond 20,000 Hz
- Compression Midrange Horn Has Crisp Clean Response
- $\frac{3}{4}$ " Hardwood with Walnut Veneer • Sculptured Molding

Only Allied offers you a 3-way 12" acoustic-suspension speaker system kit for such a low price. Everything you need to assemble and finish this beautiful contemporary styled kit is included. Needs no soldering—takes only a screwdriver to assemble. Just rub in oil (supplied) for a fine oiled walnut finish.

12" woofer with 6 $\frac{3}{4}$ -lb. magnet structure has cloth-roll suspension plus large 2" voice coil for distortion-free bass down to 25 Hz. Handles high-power amplifiers yet performs well with only a 10-watt (IHF) input. Midrange horn gives crisp, clear response. Tweeter has wide-angle dispersion and response beyond 20,000 Hz. L-C crossover at 1000 and 5000 Hz. High-frequency balance control lets you adjust highs for best room acoustics or personal taste. Fiberglass-insulated.

Solid  $\frac{3}{4}$ " paneling finished on 4 sides, sculptured walnut molding, contemporary grille cloth. Operates in horizontal or vertical position. 8 ohms. 14x25x13 $\frac{1}{2}$ ". With all parts, finishing oil, instructions. 49 lbs.  
20 C 9762 U. Kit Form. \$5 Monthly ..... 79.95  
20 C 9761 U. Factory Assembled, Finished ..... 99.95

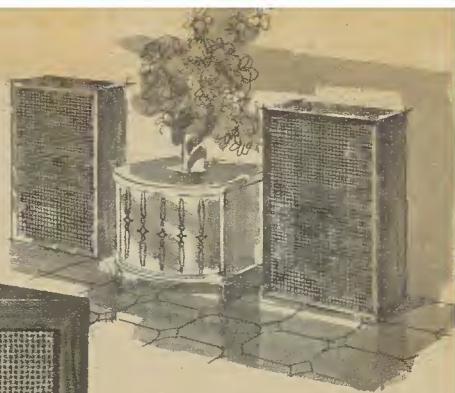
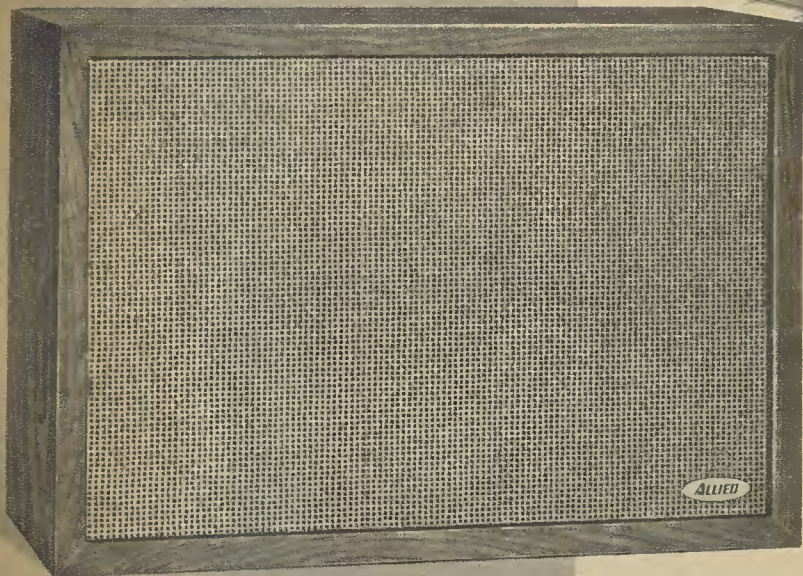
Use Allied's Credit Fund Plan . . . Take Up to Two Years to Pay

ALLIED 69



# W ALLIED 2260A 12" Speaker System

ASSEMBLE IT YOURSELF—SAVE \$15.00

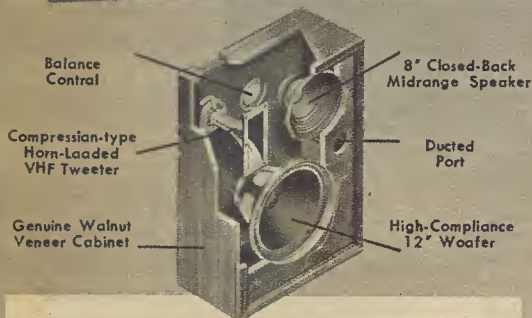


Kit Form

**\$64<sup>95</sup>** \$5  
monthly

Assembled

**\$79<sup>95</sup>** \$5  
monthly



## SPECIFICATIONS

**Overall Frequency Response:** 30-20,000 Hz.

**Woofer:** 12-inch high-compliance type with massive 2-lb. Alnico V DP magnetic structure. 1" voice coil. Frequency response, 30-600 Hz.

**Midrange:** 8" closed-back cone housing with a 10-oz. Alnico V DP magnetic structure. Smooth response  $\pm 1\frac{1}{2}$  dB from 600-4000 Hz.

**Tweeter:** Compression-type with die-cast horn,  $\frac{1}{4}$ -lb. Alnico V magnetic structure, and  $\frac{3}{16}$ " voice coil. Frequency response, 4000-20,000 Hz.

**Crossover Network:** Newly-designed electrical cup core inductor. Crossover at 600 and 4000 Hz. **Power Handling Capacity:** 25 watts (50 watts peak). **Voice Coil Impedance:** 8 ohms. **Controls:** tweeter balance.

**Type of Enclosure:** reflex with precision-tuned ducted port. **Size of Enclosure:** 17x25x8" deep. **Material:**  $\frac{3}{4}$ " hardwood paneling with walnut veneer. **Grille Covering:** acoustically transparent cane grille cloth.

## ALLIED 2260AK Contemporary Three-Way 12-inch Hi-Fi Speaker System Kit

- New, Improved Component Complement for Superb Sound
- Smooth Response . . . Deep, Rich Bass to Dozzling Highs
- Assembles Quickly and Easily with Just a Screwdriver
- Walnut Veneer Enclosure Sanded and Ready to Finish
- Includes Four Rubber Feet for Vertical Floor Placement

New, improved three-way speaker system delivers clear, full-range sound that rivals many systems costing far more. Assemble it yourself for a \$15.00 savings . . . do it quickly and easily in less than two hours with just a screwdriver. Everything you need is included. Cabinet is sanded and ready to finish, just apply oil with a soft cloth.

Big 12" high-compliance woofer delivers rich bass down to 30 Hz. Smooth 8" midrange fills in middle frequencies and compression-type tweeter produces astonishingly sharp highs. Tweeter balance control lets you adjust sound to suit your taste and room acoustics. Electrical crossovers at 600, 4000 Hz.

Reflex-type enclosure boasts acoustic insulation and precision-tuned port to prevent unwanted resonances. Acoustically transparent grille cloth assures unrestricted passage of all audio frequencies. With all hardware, wire, finishing oil, four rubber feet for vertical use, and complete easy-to-follow assembly instructions. 17x25x8". Shpg. wt., 40 lbs.

20 C 9755 U. Kit Form. \$5 Monthly . . . . . 64.95

20 C 9756 U. Allied 2260A Factory-Assembled and Finished in Oiled Walnut. 40 lbs. \$5 Monthly . . . . . 79.95

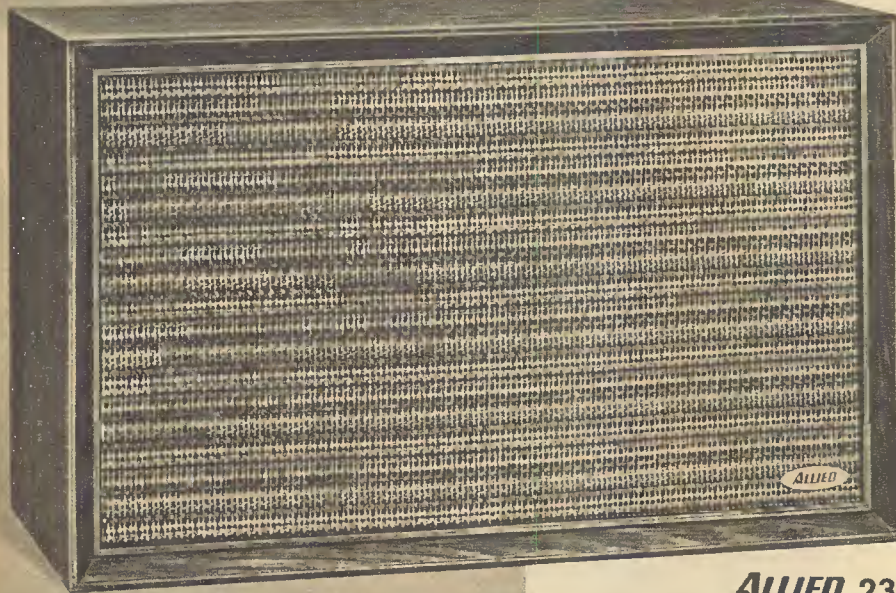
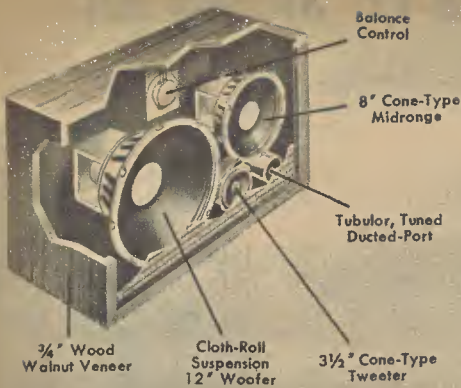


# ALLIED

NEW

## 2330AK Three-Way 12" Speaker System

ASSEMBLE IT YOURSELF  
AND SAVE \$15.00



Kit Form  
**\$59<sup>95</sup>**  
\$5 monthly

Assembled  
**\$74<sup>95</sup>**  
\$5 monthly

### ALLIED 2330AK

### Three-Way Speaker System Kit

#### SPECIFICATIONS

**Overall Frequency Response:** 30-18,000 Hz. **Woofer:** 12-inch. 2 1/4-lb. Alnico V magnet structure, cloth-roll suspension, 1 1/2-inch copper voice coil. Frequency response, 30-2000 Hz. **Midrange:** 8-inch cone-type. 4-ounce Alnico V magnet structure. 1-inch voice coil. Response, 2000-5000 Hz. **Tweeter:** 3 1/2-inch cone-type with 6-ounce Alnico V permanent magnet structure. 3/16" voice coil. Response, 5000-18,000 Hz.

**Crossover Network:** electrical at 2000 and 5000 Hz. **Power Handling Capacity:** 30 watts (60 watts peak). **Voice Coil Impedance:** 8 ohms. **Controls:** tweeter balance.

**Type of Enclosure:** acoustically-designed with tubular-tuned ducted-port and fiberglass lined interior to prevent resonance. **Size of Enclosure:** 14 1/2 x 24 x 10" deep. **Material:** 3/4" hardwood paneling with walnut veneer. **Grille Covering:** custom acoustically transparent cane grille cloth.

- 12" High-Compliance Woofer With Cloth-Roll Suspension
- Assembles Quickly and Easily
- Includes Finishing Oil
- Fiberglass Insulation Assures Solid, Resonance-Free Boss

An unbeatable value in a top-performing 12" speaker system at moderate cost. Imagine the thrill of hearing superb hi-fi reproduction from a 3-way speaker system you assembled yourself—at a \$15.00 savings! Deluxe walnut enclosure with custom woven grille cloth looks as good as it sounds. System assembles easily in less than an hour with just a Phillips screwdriver.

Three separate, matched speakers provide splendid reproduction of the entire orchestral range. Offers deep, powerful bass from the 12" high-compliance woofer. Quality 8" midrange speaker reproduces the important middle frequencies. 3 1/2" tweeter provides sparkling highs. Tweeter balance control lets you adjust presence to suit the room acoustics.

Fiberglass-lined 3/4" hardwood enclosure is pre-sanded and ready for application of finishing oil with soft cloth. With hardware, wire, finishing oil, instructions. 20 C 9709 U. Kit Form. 33 lbs. \$5 Monthly. . . . . **59.95**  
20 C 9720 U. Allied 2330A Factory Assembled and Finished in Oiled Walnut. 33 lbs. \$5 Monthly. . . . . **74.95**

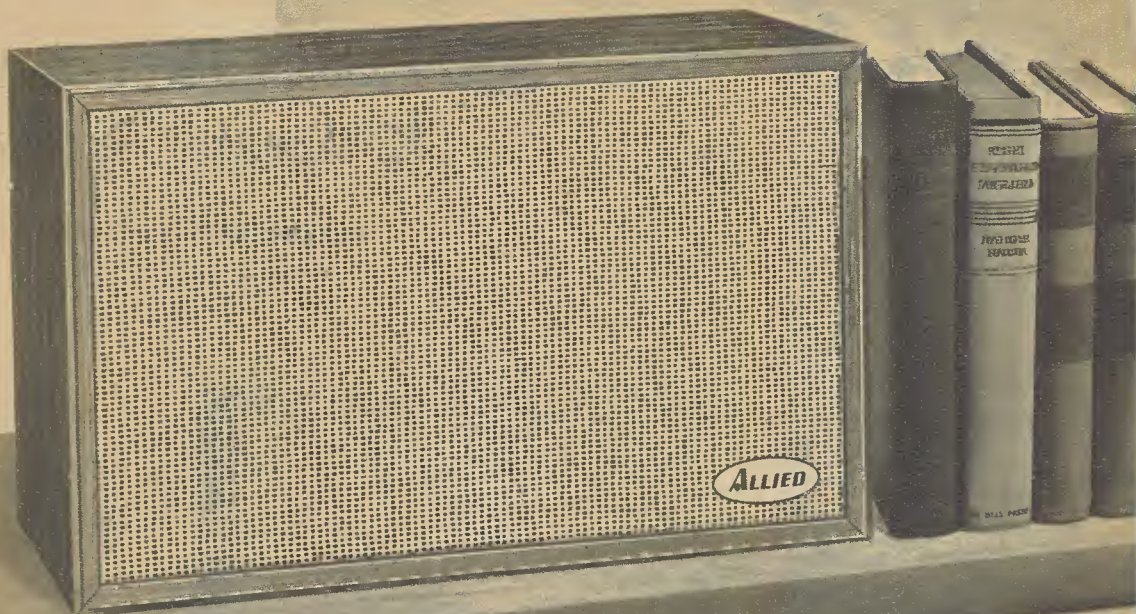
Get the Speaker System You Want Now with Your Allied Credit Fund

ALLIED 71



**ALLIED**

# Lowest Priced 12" System Kit



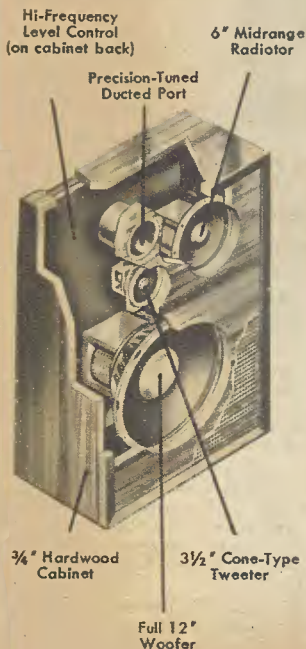
## ALLIED 3030BK 3-Way 12" Speaker System Kit

Easy-to-Build  
Kit Form

**\$49<sup>95</sup>** \$5  
monthly

Factory Assembled  
and Finished

**\$64<sup>95</sup>** \$5  
monthly



You'll enjoy assembling this excellent speaker system as much as you'll enjoy listening to the superb hi-fi music reproduction it provides. Allied's no-compromise craftsmanship brings you luxurious styling and fine performance, *plus* a \$15.00 savings by building it yourself. Can be assembled in less than an hour with only a screwdriver. Features ready-to-oil  $\frac{3}{4}$ " hardwood enclosure with acoustic insulation, tuned vented port, beautiful sculptured molding and acoustically transparent cane grille cloth that matches walnut finish.

King-size 12" woofer with husky magnet delivers powerful bass response all the way down to 35 Hz. Special-design  $3\frac{1}{2}$ " direct-radiator tweeter disperses sparkling treble. Includes a rear-mounted level control that lets you adjust the high frequency response to suit the room acoustics and your own listening tastes. Efficient 6" midrange speaker provides smooth, full response through middle frequencies. Built-in electrical crossover network at 400 and 5000 Hz.  $14\frac{1}{2} \times 24 \times 9"$ . With all parts, finishing oil and instructions. Shpg. wt., 28 lbs.

20 C 9743 U. \$5 Monthly..... 49.95  
20 C 9745 U. Allied 3030B Factory Assembled and Finished. 28 lbs..... 64.95

### SPECIFICATIONS

*Frequency Response:* 35-17,000 Hz.

*Woofer:* 12-in. high-compliance, with  $1\frac{3}{4}$ -lb. Alnico V magnet structure; 10,200-gauss flux density,  $1\frac{1}{4}$ -in. voice coil. 35-400 Hz.

*Midrange:* 6-inch cone with 12-ounce Alnico V magnet structure; 9400 gauss flux density.  $\frac{3}{4}$ -inch voice coil. Response, 400-5000 Hz.

*Tweeter:*  $3\frac{1}{2}$ -inch cone-type radiator with 6-ounce Alnico V magnet structure, 8200-gauss flux density.  $\frac{3}{16}$ -inch voice coil. Response, 5000-17,000 Hz.

*Crossover:* Electrical. 400, 5000 Hz.

*Capacity:* 30 watts (60 watts peak).

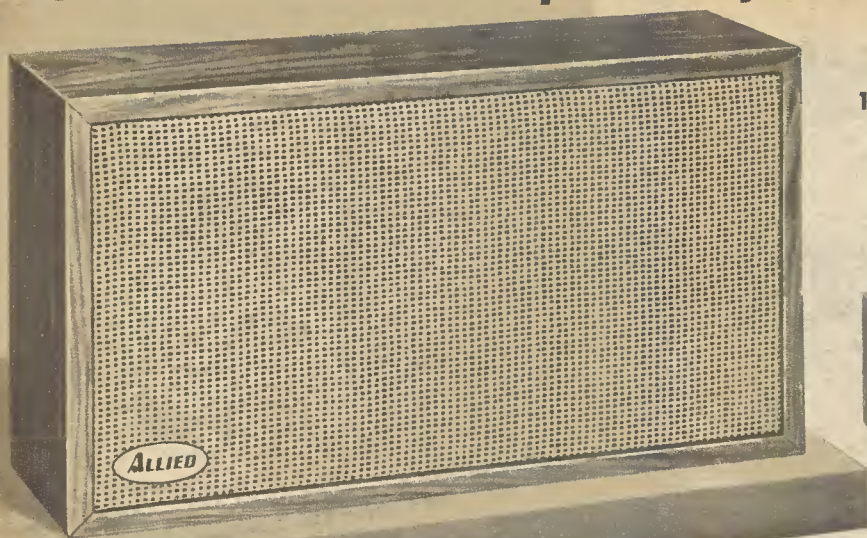
*Voice Coil Impedance:* 8 ohms.

*Cabinet:*  $\frac{3}{4}$ -inch walnut veneer.

*Controls:* one high-frequency level.

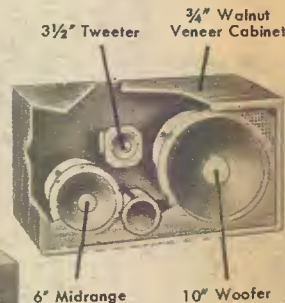


# Low-Cost Assembled Speaker Systems **ALLIED**



**Allied 3005A**  
10" Shelf System

**\$39<sup>95</sup>** \$5  
monthly



## **ALLIED 3005A 3-Way 10" Speaker System**

Our most popular low-cost hi-fi speaker system features perfectly matched components that blend to cover the entire orchestral range. Delivers full-range sound for faithful reproduction, yet is only 8" deep for easy placement anywhere. Includes a 10" woofer for deep, resonant bass, smooth 6" midrange, and 3 1/2" tweeter that delivers pure, brilliant highs.

Tweeter is acoustically isolated to eliminate speaker interaction and prevent distortion. Ducted port enhances bass response for full, rich lows without "booming" effect. Beautifully crafted cabinet is sturdy 3/4" wood paneling with handsome oiled walnut veneer; cane grille, 12x22x8". Shpg. wt., 20 1/2 lbs.

20 C 9737 U. \$5 Monthly. . . . . **39.95**

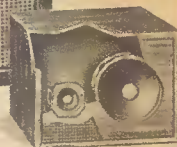
### **SPECIFICATIONS**

*Frequency Response:* 40-16,000 Hz. *Woofer:* 10" with 1 3/4-lb. ceramic magnet structure, 1" voice coil. *Midrange:* 6" with 12-oz. magnet structure, 3/4" voice coil. *Tweeter:* 3 1/2" with 6-oz. magnet structure, 1/16" voice coil. *Crossovers:* 800 and 5000 Hz. *Capacity:* 20 watts (40 watts peak). *Impedance:* 8 ohms.



**Our Lowest Priced Hi-Fi Speaker System**

**\$24<sup>95</sup>**  
\$5 monthly



## **ALLIED 3002 2-Way 8" Speaker System**

- Compact Enclosure Only 15" Wide—Fits Anywhere
- 8" Woofer Delivers Rich Bass Response Down to 50 Hz
- Direct-Radiator 3 1/2" Tweeter Produces Clean Highs

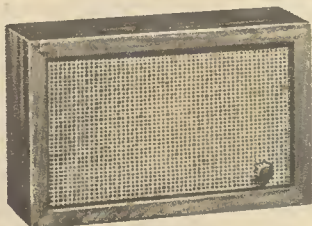
Designed for good high-fidelity sound reproduction at an unbeatable low price. Shelf-size unit features true two-way speaker design with independent low and high frequency speakers for smooth response from 50-15,000 Hz. Perfect in pairs for low-budget high-fidelity stereo systems or for a second system in dens or recreation rooms. Also makes an ideal extension speaker system. Big 8" woofer delivers rich, mellow lows all the way down to 50 Hz. Direct-radiator 3 1/2" tweeter gives sharp, clean highs. Sturdy 3/4" hardwood cabinet has oiled walnut veneer finish; matching grille cloth 12 3/8x15x9". 16 1/2 lbs.

20 C 9735 X. \$5 Monthly. . . . . **24.95**

### **SPECIFICATIONS**

*Frequency Response:* 50-15,000 Hz. *Woofer:* 8" with 1.9-lb. magnet structure, 1" voice coil. *Tweeter:* 3 1/2" with 5.4-oz. Alnico V magnet structure and 1/16" voice coil. *Crossover:* resistor-capacitor type; tweeter takes over at 4000 Hz. *Capacity:* 15 watts, 30 watts peak. *Impedance:* 8 ohms.

**ALLIED**  
**2375**  
**Extension Speaker**  
**\$9<sup>95</sup>**



Handsomely styled, moderately priced extension speaker system features front-mounted volume control, 7x5" oval speaker with 1/16" voice coil. Use a pair for surprisingly good stereo sound. Walnut finish with cane grille. Includes 25' speaker cable with alligator clips attached. 7 1/4x11 1/2x3 1/2". Capacity, 12 watts peak. Impedance, 8 ohms. Wt., 3 3/4 lbs.

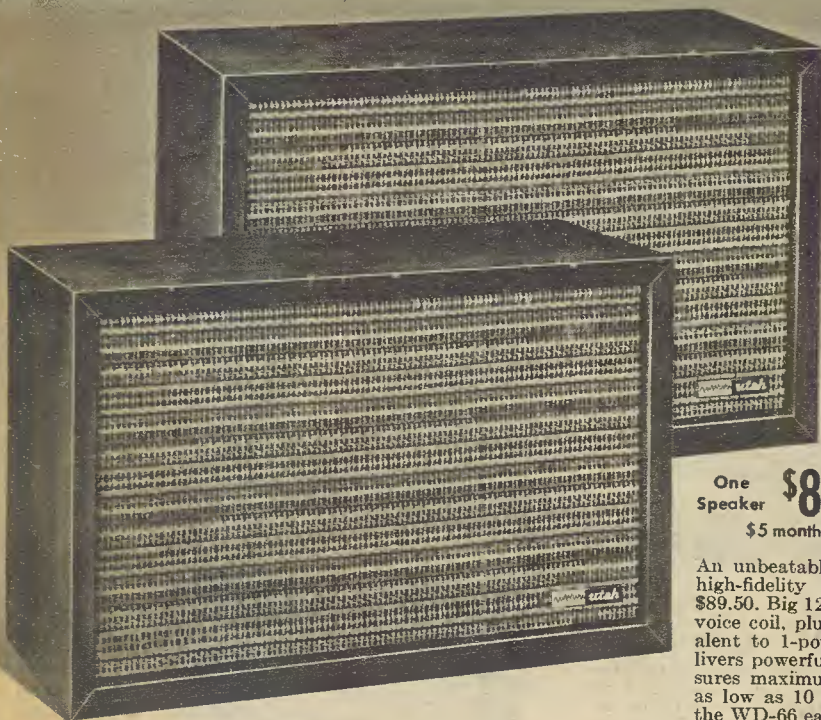
20 C 9744 X. . . . . **9.95**

Use Allied's Credit Fund Plan to Get the Speaker System You Want Now

**ALLIED 73**



# Special Purchase of UTAH Speaker Systems



Get Two Utah WD-66  
Three-Way 12-inch  
Speaker Systems for

**\$89<sup>50</sup>** Per  
Pair

\$5 monthly

12-inch Woofer Features  
Powerful, Heavy-Duty  
Dual-Diameter Magnet

6-inch Direct-Radiator  
Midrange Speaker, 3 1/2"  
Tweeter—Highs to 17,500 Hz

One Speaker **\$88<sup>50</sup>**  
\$5 monthly

Two Speakers **\$89<sup>50</sup>**  
\$5 monthly

An unbeatable value! Get two of these 12" high-fidelity speaker systems for only \$89.50. Big 12" woofer with long-throw 1 1/2" voice coil, plus dual-diameter magnet equivalent to 1-pound, 5 1/2-ounce Alnico V. Delivers powerful bass down to 30 Hz, and assures maximum sound per watt. Amplifiers as low as 10 or 12 watts-per-channel drive the WD-66 easily.

Direct-radiator 6" midrange speaker reproduces clear mid-frequencies, 3 1/2" square tweeter for crisp treble to 17,500 Hz. Built-in crossovers at 2000 and 5000 Hz for smooth response over entire range.

Ducted-port 3/4" walnut veneer enclosure with fiber-glass lining prevents unwanted resonance. 30 watts (60 watts peak). 8 ohms. 14 1/2 x 24 x 9". 29 lbs. each. \$5 Monthly.  
20 C 7079 U. One Speaker System..... 88.50  
Two Speaker Systems..... 89.50

Direct-Radiator  
6" Midrange

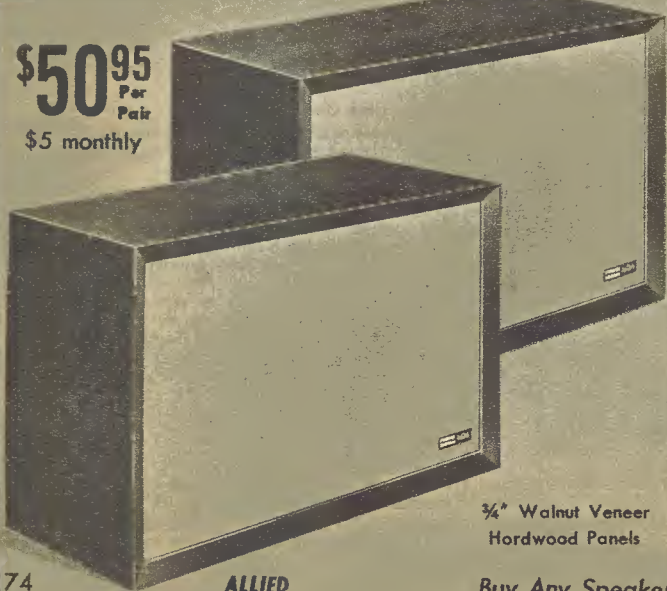
3/4" Walnut  
Veneer  
Cabinet



12" Woofer,  
Dual-Diameter  
Magnet

High-Frequency  
Tweeter

**\$50<sup>95</sup>**  
Per  
Pair  
\$5 monthly



## Utah AS-2 Acoustic-Suspension Two-Way 8-inch Speaker System

One Speaker  
**\$49<sup>95</sup>**  
\$5 monthly

Two Speakers  
**\$50<sup>95</sup>**  
\$5 monthly

Sensational offer! Now you can buy a pair of quality-made acoustic-suspension speaker systems for just \$50.95. Offers wide frequency response from a compact cabinet that measures only 11x18x9". Features 8" woofer with four-layer 1" voice coil that reproduces deep, powerful bass down to 40 Hz.

3 1/2" tweeter with 3/16" diameter voice coil offers sparkling treble to 18,000 Hz. Cross-over at 4500 Hz for best distribution.

3/4" walnut veneer hardwood panels. Capacity: 15 watts, 25 watts peak. Imp: 8 ohms. Shpg. wt., 22 lbs. each. \$5 Monthly.  
20 C 7073 U. One Speaker System..... 49.95  
Two Speaker Systems..... 50.95

3/4" Walnut Veneer  
Hardwood Panels

ALLIED

Buy Any Speaker in This Catalog with No Money Down



# Acoustic-Research Speaker Systems

AR

## AR-4X Two-Way 8" Bookshelf System

**\$5100**

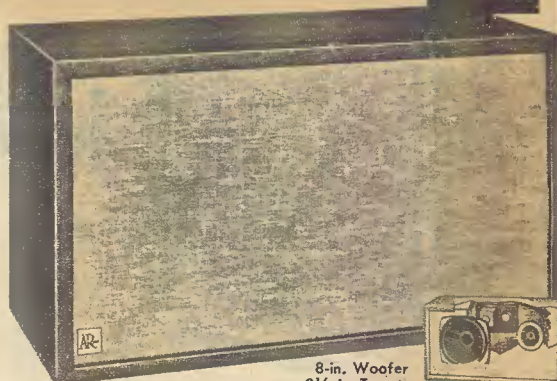
Ready-to-Finish

- AR's Lowest-Priced Speaker System
- Delivers Wide-Range Natural Sound
- Compact Shelf Size—10x19x9"

\$5 monthly

One of the finest low-cost speaker systems on the market today. Famous AR acoustic-suspension design provides pure, natural sounding reproduction. Features 8" woofer that delivers rich bass response that far exceeds what you would normally get in a unit this size. Specially-designed tweeter for smooth treble. Built-in tweeter level control. 1200 Hz L-C (electronic) crossover network. Requires amplifier rated at least 15 watts per channel. Impedance, 8 ohms. 10x19x9". Wt., 22 lbs.

20 C 7629 U. Oiled Walnut Finish. \$5 Monthly.....57.00  
20 C 7628 U. Ready-to-Finish Pine. \$5 Monthly.....51.00



8-in. Woofer  
2½-in. Tweeter

## Deluxe AR-3A Three-Way 12" System

**\$22500**

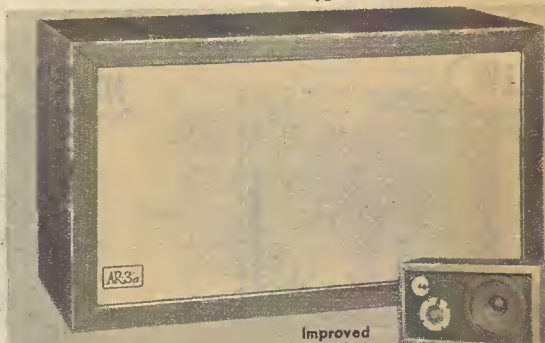
Ready-to-Finish

- Response from 32 to 20,000 Hz
- 12" Woofer • Dome Midrange
- Two Dome Radiator Tweeters

\$12 monthly

AR's newest and finest acoustic-suspension speaker system. A refinement of the popular AR-3 with same rich-toned 12" woofer now cut off electrically at 575 Hz for greater omnidirectional delivery. Dome radiator midrange handles frequencies from 575 to 5000 Hz. Two dome radiator tweeters, 1½" and ¾". Requires amplifier rated at least 25 watts per channel. 4 ohms. 14x25x11¾". 55¼ lbs. Exp.

20 C 7042 Z. Oiled Walnut. \$18 Monthly.....250.00  
20 C 7041 Z. Natural Birch. \$12 Monthly.....240.00  
20 C 7040 Z. Ready-to-Finish Pine. \$12 Monthly.....225.00  
20 C 8015 X. Oiled Walnut Floor Base. Fits all AR speaker systems, except AR-4X. 11x14½x13". 3¾ lbs.....7.50



Improved  
3-way design

## AR-2AX Three-Way 10" Speaker System

**\$10900**

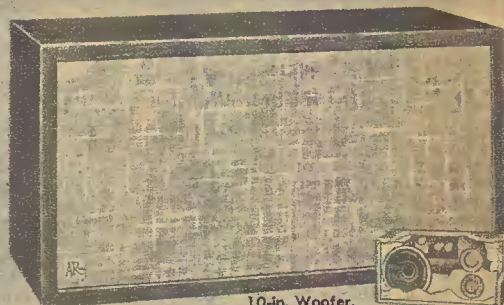
Ready-to-Finish

- 10" Woofer with 3¼-lb. Magnet
- Extra-Wide-Dispersion Tweeter
- Response from 42-20,000 Hz

\$6 monthly

Popular system offers excellent performance at moderate cost. Incorporates a 10" acoustic-suspension woofer with 3¼-lb. magnet assembly, plus 3½" midrange speaker and a 1½" dome type super-tweeter. Tweeter and midrange level controls. L-C crossovers at 2000 and 7500 Hz. 42-20,000 Hz. Requires amplifier rated at least 20 watts per channel. 8 ohms. 13½x24x11½". Floor base above. 43 lbs.

20 C 7046 U. Oiled Walnut. \$7 Monthly.....128.00  
20 C 7044 U. Natural Birch. \$7 Monthly.....122.00  
20 C 7047 U. Ready-to-Finish Pine. \$6 Monthly.....109.00



10-in. Woofer,  
3½-in. Midrange, 1½-in. Tweeter



**\$20300**

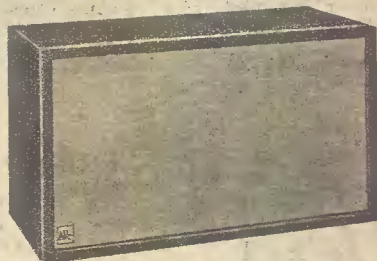
Ready-to-Finish

\$11 monthly

## AR-3 Three-Way 12" Speaker System

Widely acclaimed for its life-like sound. 12" woofer, 2" midrange, 1¾" tweeter. Level controls. L-C crossovers. Requires amplifier rated at least 25 watts/channel. 4 ohms. 14x25x11¾". Optional base above. Express.

20 C 7624 Z. Oiled Walnut. 55¼ lbs. \$12 Monthly. 225.00  
20 C 7149 Z. Natural Birch. \$11 Monthly.....216.00  
20 C 7002 Z. Ready-to-Finish Pine. \$11 Monthly.....203.00



**\$8900**

Ready-to-Finish

\$5 monthly

## AR-2X Two-Way 10" Speaker System

Features 10" acoustic-suspension woofer, and 3½" tweeter. L-C crossover at 2000 Hz. Tweeter level control. Requires an amplifier rated at least 20 watts per channel. Impedance, 8 ohms. Size, 13½x24x11½". Optional base above left. Shpg. wt., 38¼ lbs.

20 C 7050 U. Oiled Walnut. \$6 Monthly.....102.00  
20 C 7051 U. Ready-to-Finish Pine. \$5 Monthly.....89.00

Allied Stocks A Complete Line of High-Fidelity Speaker Systems

ALLIED 75



# Luxurious Decorator-Styled

ALTEC-LANSING 846A 15" System



**\$299.70**

\$15 monthly

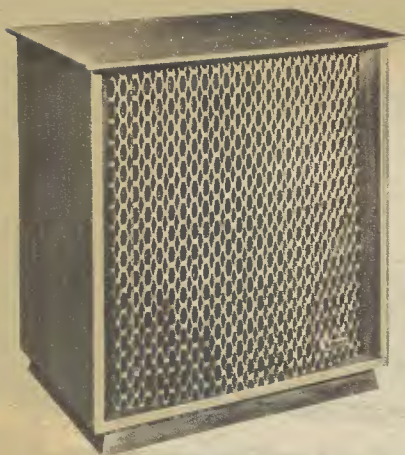
- Huge 15" Woofer with 3" Voice Coil
- Distortion-Free HF Driver and 18" Horn
- Fretwork Grille • Walnut Finish

System Boasts Same Superb Components as Famous "Voice of the Theatre"

Magnificent floor model speaker system incorporates the same components found in Altec's renowned Voice of the Theatre system, but in an enclosure half the size! Gigantic 416A 15" woofer offers rich, powerful bass response. Precision 806A high frequency driver and 811B sectoral horn deliver smooth midrange and brilliant highs. Full-section dual LC network with 800 Hz crossover completes the precision design. Response: 35-22,000 Hz. Impedances: 8, 16 ohms. Capacity: 30 watts. Beautiful hand-finished walnut cabinet with fretwork grille. Size, 29 $\frac{3}{4}$ x27 $\frac{1}{2}$ x19". Shpg. wt., 100 lbs.

20 C 7439 Z. \$15 Monthly. 299.70

20 C 8210 U. A-7. Components—woofer, driver, horn and crossover above, less enclosure: 43 lbs. \$9 Monthly. 174.15



NEW



**\$269.95**

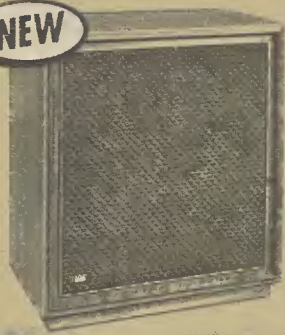
\$14 monthly

FISHER

XP-15B Three-Way  
15" System

Superbly-crafted contemporary floor system has massive 15" woofer with 12-lb. magnet structure for outstanding bass response down to 28 Hz. Full, clean midrange is supplied by an 8" midrange speaker. Soft-dome 1 $\frac{1}{2}$ " tweeter provides thrilling highs to 20,000 Hz. Crossovers at 400 and 2500 Hz. Capacity, 60 watts. Impedance, 8 ohms. Finished in striking oiled walnut. Size, 27x27x14 $\frac{3}{4}$ ". Shpg. wt., 90 lbs.  
20 C 7215 Z. \$14 Monthly. 269.95

NEW



**\$199.95**

\$10 monthly

FISHER

XP-12 Three-Way  
12" System

Attractively-styled floor system delivers exceptional high-fidelity reproduction. Has 12" woofer with 6-lb. magnet structure for full, rich bass. Extremely clean middle frequencies delivered by 8" midrange with molded rubber surround. Soft dome 1 $\frac{1}{2}$ " tweeter for crisp highs. Response, 30-20,000 Hz. Crossovers at 400 and 2500 Hz. 8 ohms. Capacity, 50 watts. Oiled walnut finish. Size, 24x22 $\frac{1}{2}$ x13 $\frac{3}{4}$ ". Shpg. wt., 80 lbs.  
20 C 7216 Z. \$10 Monthly. 199.95



**\$299.95**

\$15 monthly

EMPIRE

9000M 3-Way 15"  
Marble-Top System

A masterpiece of acoustic design, this elegant hexagonally styled 3-way floor speaker system has a mass-loaded 15" woofer for deep, resonant bass; smooth, direct-radiator midrange; ultrasonic tweeter for startling highs. Delivers exceptional 20-20,000 Hz response. Capacity, 100 watts, 8 ohms. Tweeter level control. Satin walnut finish; imported marble top. 22" diameter, 29" high. Shpg. wt., 123 lbs.  
20 C 7270 Z. \$15 Monthly. 299.95

## NEW! ELECTRO-VOICE E-V SIX-A Four-Speaker 3-Way System

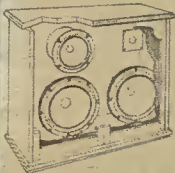
**\$238.50**

\$12 monthly

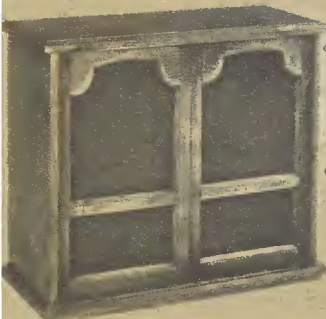
- Two 12" Woofers for Extra-Powerful Bass
- 8" Midrange Speaker for Life-Like Presence
- Pure Highs from Specially-Treated Dome Tweeter

Finest sound plus luxurious furniture styling. Twin 12" woofers with foam surrounds for long, linear cone excursion. Cone area is 25% greater than with a single 15" woofer. The result is clean, deep bass without boom. 8" viscous-damped midrange. Dome tweeter spreads highs throughout the room. LC crossover blends performance of all speakers perfectly. Two balance controls. 20 Hz to beyond audibility. 80 watts peak. 8 ohms. Oiled walnut veneer. 28x29x15". Shpg. wt., 102 lbs.

20 C 7231 Z. \$12 Monthly. 238.50



Four-Speaker System Featuring Two 12" Woofers





# Hi-Fi Floor Speaker Systems

## WHARFEDALE W70D Four-Way 12½" Floor System

**\$169<sup>95</sup>**

\$9 monthly

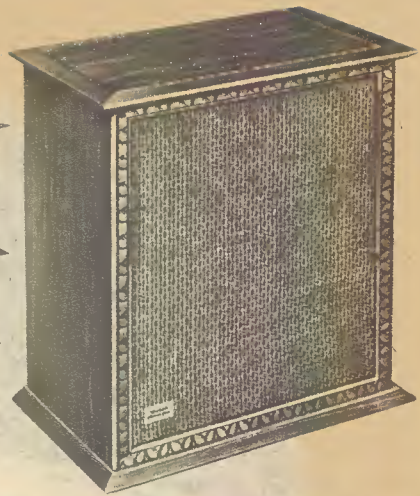
- 12½" Wafer with 9½-lb. Magnet
- Exclusive Sand-Filled Construction
- Luxurious Hardwood Cabinet

Deluxe floor system offers superlative performance. Unique construction features white sand packed between layers of hardwood to create inert panels which prevent cabinet vibration. 12½" woofer with massive 9½-lb. magnet for thunderous bass. An 8" speaker serves as passive radiator for upper bass and energized driver for lower midrange. Upper midrange 5" speaker. Omnidirectional, Mylar-domed tweeter for pure, wide-angle treble.

System boasts exceptionally smooth response from 25-20,000 Hz. Capacity, 40 watts. Impedance, 4-8 ohms. Beautifully crafted hardwood enclosure with oiled walnut finish and deluxe moldings. Size, 24x20<sup>7</sup>/<sub>8</sub>x12<sup>3</sup>/<sub>8</sub>". Shpg. wt., 74 lbs. Shipped express.  
20 C 7414 Z. \$9 Monthly..... 169.95



Sand-filled Construction .. Inert Cabinet Prevents Boss Distortion



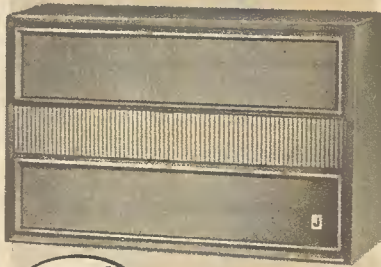
**\$269<sup>95</sup>**

\$14 monthly

## WHARFEDALE W90D Six-Speaker 12½" System

Wharfedale's finest system. Two 12½" woofers, each with 9½-lb. magnet, which divide range for magnificent bass; two 5" midranges; two omnidirectional tweeters. Sand-filled cabinet. Response, 20 Hz to beyond audibility. 50 watts. 4-8 ohms. Oiled walnut. Shpg. wt., 100 lbs. Optional 4-leg base, below.

20 C 7416 Z. \$14 Monthly. 269.95  
20 C 7590 X. Base. 1<sup>3</sup>/<sub>4</sub> lbs. .... 8.93



**NEW**

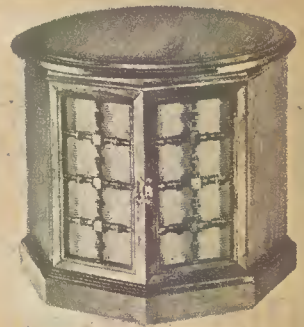
**\$247<sup>50</sup>**

\$13 monthly

## JENSEN 700-XLW Four-Way 12" System

New four-way speaker system puts uncompromising sound reproduction in a smart, contemporary cabinet. 12" Flexair woofer with 3.6-lb. magnet, horn-loaded midrange, super-tweeter and ultra-tweeter. Mid- and high-frequency balance controls. 20-20,000 Hz. 8 ohms. 40 watts. Walnut. 16<sup>1</sup>/<sub>4</sub>x25<sup>1</sup>/<sub>2</sub>x12". 60 lbs.

20 C 8364 U. \$13 Monthly. 247.50  
20 C 8368 X. Stand. 3<sup>3</sup>/<sub>4</sub> lbs. .... 17.96



**\$242<sup>55</sup>**

\$13 monthly

## UNIVERSITY Mediterranean 3-Way 12" System

Elegant, Mediterranean-style enclosure combines decorator-design with superb performance. High-compliance 12" woofer, 8" direct-radiator midrange, and reciprocating flare-horn tweeter combine to produce thrilling hi-fi from 20 Hz to beyond audibility. 50 watts. 8 ohms. Grained antique butternut, pumice-brown finish. 22<sup>1</sup>/<sub>2</sub>x24<sup>3</sup>/<sub>8</sub>" dia. Shpg. wt., 75 lbs.  
20 C 7122 Z. \$13 Monthly. 242.55

## EMPIRE 7000M Three-Way System

**\$209<sup>95</sup>**

\$11 monthly

- Marble Top Cabinet
- Floating 12" Woofer

Luxurious pedestal-styled three-way system. Mass-loaded 12" floating-suspension woofer, direct radiator midrange, ultrasonic dome tweeter. 25-20,000 Hz. 75 watts. 8 ohms. Satin walnut finish cabinet with marble top. 19" dia., 27<sup>1</sup>/<sub>2</sub>" high. Shpg. wt., 90 lbs.  
20 C 7297 Z. .... 209.95

Model 5000M. Two-way. 12" woofer, midrange/tweeter.  
20 C 7296 Z. 85 lbs. .... 179.95



**NEW**

## EMPIRE 3000M Three-Way 10" System

**\$149<sup>95</sup>**

\$8 monthly

- Pedestal Styling
- Deluxe Marble Top

Handsome three-way system with 10" high compliance woofer, direct-radiator midrange, and super tweeter. 30-20,000 Hz. 60 watts. 8 ohms. Satin walnut cabinet with imported marble top. 11<sup>7</sup>/<sub>8</sub>x11<sup>7</sup>/<sub>8</sub>x21<sup>1</sup>/<sub>4</sub>" h. Shpg. wt., 49 lbs.  
20 C 7295 U. .... 149.95

Model 2000M. Two-way. 10" woofer, midrange/tweeter. 35-18,000 Hz. 17<sup>1</sup>/<sub>4</sub>" h.  
20 C 7389 U. 44 lbs. .... 109.95



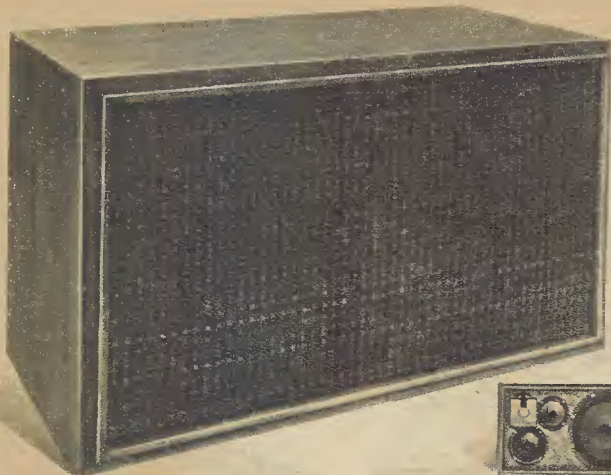
**NEW**

Get Your Speaker for No Money Down with Allied's Credit Fund Plan

ALLIED 77



# Deluxe Hi-Fi Bookshelf Speaker Systems . .



## FISHER XP-9B Four-Way 12" System

**\$179<sup>95</sup>**

\$9 monthly

- Clean and Solid Boss Sound
- 28 to 22,000 Hz Response
- 3-Position Treble Balance Control
- 4-Way LC-Type Crossover

Enjoy big-speaker-system sound from this 4-way bookshelf-size speaker system. Offers full response with crystal-clear highs; smooth, transparent mid-frequencies; and clean, crisp bass. System includes: 12" woofer with 2" voice coil and 6-lb. magnet structure; 6" lower-midrange with 1" voice coil and 2-lb. magnet structure; 5" upper-midrange with 3/4" voice coil and 1-lb. magnet structure; plus 1 1/2" soft-dome treble speaker with 1 1/2" voice coil and 3-lb. magnet structure. Four-way LC network with air-core coils. Treble balance control adjusts the texture of upper frequencies to perfection. Response: 23-22,000 Hz. Capacity: 10-60 watts. 8 ohms. Walnut finish. 14x24 1/2 x 12". 20 C 7312 Z. Wt., 60 lbs. \$9 Monthly.... 179.95



**NEW**

### JENSEN

#### PR-200A Three-Way 12" System

**\$170<sup>10</sup>**

\$9 monthly

Features 12" Flexair® woofer, Aspheric Sono-Dome® midrange and ultra-tweeter. Engineered for perfect blending of speakers. Crossovers at 2000 and 9000 Hz separate treble, midrange, bass. Two balance controls. 25-20,000 Hz. 35 watts. 8 ohms. 20 C 8361 U. 43 1/2 lbs. . . . 170.10



### SCOTT

#### S-11 Three-Way 12" System

**\$149<sup>95</sup>**

\$8 monthly

Controlled-impedance air-suspension system designed especially for solid-state equipment. 12" woofer, 4 1/4" midrange, 3" tweeter. Capacity, 55 watts. Requires 10 watts minimum. Tweeter-midrange control. 30-20,000 Hz. 8 ohms. Oiled walnut. 14x24x11 1/4". 20 C 7368 U. 40 lbs. . . . 149.95



**NEW**

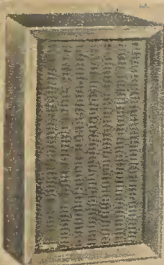
### UNIVERSITY

#### "Senior III" 12" System

**\$130<sup>50</sup>**

\$7 monthly

New bookshelf speaker system offers exceptional sound reproduction. 12" ultra-linear woofer, 8" midrange. Sphericon super-tweeter. Midrange, tweeter controls. Crossovers at 600 and 4000 Hz. 23-40,000 Hz. 40 watts. 8 ohms. Walnut. 15 3/4 x 23 1/2 x 12 1/4". 20 C 7105 U. 40 lbs. . . . 130.50



### UNIVERSITY

#### "Estoril" 4-Way 12" Decorator System

**\$148<sup>05</sup>**

\$8 monthly

Spanish Mediterranean decor. Diff-axial system with 12" woofer, multi-element midrange section and tweeter. 12" bass energizer. Frequency response, 24-40,000 Hz. Brilliance control. Capacity, 40 watts. 8-16 ohms. Oiled walnut. 27x16x14 1/16". 45 lbs. 20 C 7102 U. \$8 Monthly. . 148.05



**NEW**

### ALTEC

#### 892A Two-Way 10" System

**\$134<sup>96</sup>**

\$7 monthly

Combines wideband response with extremely low distortion, wide angular distribution. Infinite-baffle enclosure. Big 10" low-frequency woofer; compression-driver exponential aluminum horn. 45-18,000 Hz. 8 ohms. 50 watts. 13x11 3/4 x 23 3/4". Oiled walnut. 20 C 7448 U. Wt., 39 lbs.. 134.96



### FISHER

#### XP-7 Three-Way 12" System

**\$139<sup>95</sup>**

\$7 monthly

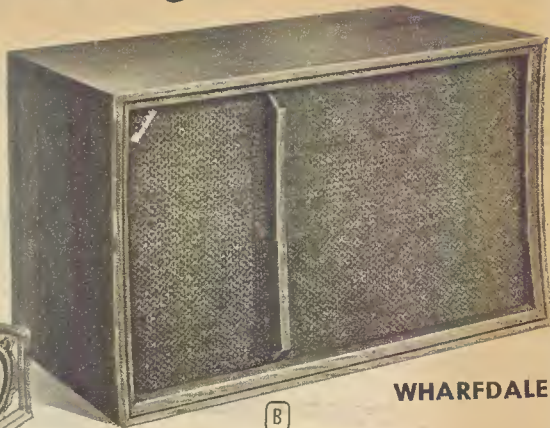
Four matched speakers for exceptional performance. 12" free-piston high-compliance woofer, 5 1/2-lb. magnet; two 5" midranges; soft-dome tweeter. LC crossovers at 300, 2500 Hz. 30-20,000 Hz. 60 watts (10 watts minimum). 8 ohms. Walnut. 24 1/2 x 14 x 12". 20 C 7305 U. 47 lbs. . . . 139.95



# .. Best Selling Models by Leading Manufacturers

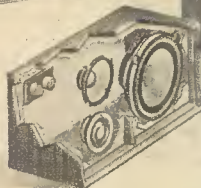


**A** FISHER



**B**

WHARFDALE



**A** XP-66 Three-Way 12" System

**\$109<sup>95</sup>**

\$6 monthly

- Free-Piston Woofer
- 5-lb. Mognet Structure
- Isolated 6" Midrange

Fisher excellence is designed into this 3-way bookshelf system. Free-piston high-compliance 12" woofer with 5-lb. magnet structure delivers natural, uncolored bass down to 30 Hz. You hear even the deepest organ notes with life-like clarity.

Isolated 6" midrange speaker assures clearly defined tones from 400 to 1000 Hz. Wide-dispersion cone tweeter achieves excellent transient response to 19,000 Hz—offers crisp, clear highs without shrillness.

Power capacity, 60 watts. Impedance, 8 ohms. Attractive, hand-rubbed oiled walnut finish. 14x24<sup>1</sup>/<sub>2</sub>x12".  
20 C 7174 U. Wt., 40 lbs. . . . . 109.95

**B** W-60D 12<sup>1</sup>/<sub>2</sub>" 3-Way System

**\$124<sup>95</sup>**

\$7 monthly

- 9 1/2-lb. Mognet
- Sand-Filled Cabinet
- Acoustic Suspension

The audio connoisseur will be delighted with this latest version of the exclusive sand-filled Achromatic design. Employs the same exceptionally powerful 12<sup>1</sup>/<sub>2</sub>" woofer with massive 9<sup>1</sup>/<sub>2</sub>-lb. magnet assembly found in Wharfedale's larger models.

Acoustically-isolated 5" cone with cloth suspension and low mass aluminum voice coil for clear, smooth midrange. Omnidirectional domed super tweeter for distortion-free treble.

Midrange, treble controls. Walnut cabinet, 14<sup>1</sup>/<sub>4</sub>x24x13". Operates vertically, horizontally. 30-20,000 Hz. 40 watts, 4-8 ohms.  
20 C 7413 Z. 56 lbs. . . . . 124.95



NEW

UTAH

A-100 Three-Way 12" System

**\$99<sup>95</sup>**

\$5 monthly

New model with acoustic suspension design. Boasts 12" woofer for full bass down to 28 Hz. Oval midrange horn; high-efficiency tweeter for highs up to 19,500 Hz. Cross-overs at 2200 and 4500 Hz. 36-watts peak. 8 ohms. Oiled walnut enclosure, 14x23x10".  
20 C 7055 U. Wt., 35 lbs. . . . 99.95



ADC "400"  
Three-Way  
Acoustic  
Suspension  
10" System

**\$139<sup>50</sup>**

\$7 monthly

New system utilizes three specially-designed drivers for smooth, highly-sensitive response of 30-20,000 Hz. 10" low-frequency driver; 6" high-compliance midrange driver; high-flux mylar dome tweeter. Removable grille. 60 watts, 8 ohms. Size, 25x14<sup>1</sup>/<sub>2</sub>x11<sup>7</sup>/<sub>8</sub>".  
20 C 7220 U. Wt., 48 lbs. . . . 139.50



UNIVERSITY

**\$98<sup>55</sup>**

\$5 monthly

"Laredo" 4-Way  
12" System

Four-way speaker system offers dramatic Moorish styling. Includes 12" woofer, 8" two-way midrange, high-frequency tweeter. Response, 30-30,000 Hz. Brilliance control adjusts highs. Capacity, 40 watts, 8 ohms. Walnut, 24x15<sup>3</sup>/<sub>4</sub>x12<sup>9</sup>/<sub>16</sub>". Shpg. wt., 35 lbs.  
20 C 7103 U. \$5 Monthly . . . 98.55



NEW

JENSEN

**\$109<sup>80</sup>**

\$6 monthly

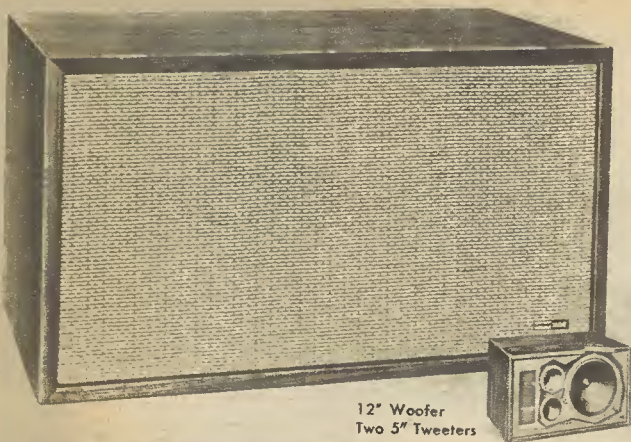
TF-3BW 4-Speak-  
er 3-Way 10"  
System

New shelf system includes 10" Flexair® woofer, 1<sup>1</sup>/<sub>4</sub>-lb. Syntox-6® magnet; two 3<sup>1</sup>/<sub>2</sub>" midranges; Sono-Dome® ultra-tweeter. 25-20,000 Hz. 25 watts, 8 ohms. Walnut. 13<sup>1</sup>/<sub>2</sub>x23<sup>3</sup>/<sub>4</sub>x11<sup>3</sup>/<sub>8</sub>".  
20 C 8362 U. Wt., 40 lbs. . . 109.80  
20 C 8363 U. Above. Ready-to-finish, and without fretwork . . . 98.10

Buy Now and Take Up to Two Years to Pay for Your Hi-Fi Components



# Values in Major Brand Shelf Speaker Systems



12" Woofer  
Two 5" Tweeters

## SPECIAL PURCHASE! UTAH Three-Speaker 12" Shelf System

**\$4950**

\$5 monthly

- Two-Way, Three-Speaker System
- 12" Woofer, Two 5" Tweeters
- Response from 30-18,500 Hz
- Oiled Walnut Veneer Finish

Allied's buying power makes it possible to bring you this deluxe two-way, three-speaker system at a special low price. Take advantage of this great value to complete your stereo system. The HS1-B is designed to reproduce musical passages with the brilliance and clarity of the original performance. Features 12" woofer with dual-diameter magnet equivalent to 21.5-oz. Alnico V magnet, and 1½" voice coil; two 5" tweeters; plus built-in crossover network. Sturdy ¾" enclosure is finished in beautiful oiled walnut veneer. Has matching grille cloth. 30-18,500 Hz. 8 ohms. 40 watts, 80 watts peak. 15x25¼x14". Shpg. wt., 46 lbs.

20 C 7072 U. \$5 Monthly..... 49.50



**NEW**

FISHER

### XP-60 Two-Way 10" Speaker System

**\$7995**

\$5 monthly

Designed by Fisher for those who want a deluxe high-compliance, high-efficiency system. Gives uniform dispersion at all frequencies. Features 10-inch free-piston woofer with 4-lb. magnet structure and 1¼" voice coil for excellent bass response. Specially-designed 2½" treble speaker provides pure highs and clear midrange. *Frequency Response:* 35-20,000 Hz. *Impedance:* 8 ohms. *Capacity:* 40 watts (10 watts minimum). Crossover at 1000 Hz. Sturdy enclosure with beautiful walnut finish. Matching grille cloth. Size, 13x23x10½". Shpg. wt., 30 lbs.

20 C 7212 U. \$5 Monthly..... 79.95



WHARFEDALE

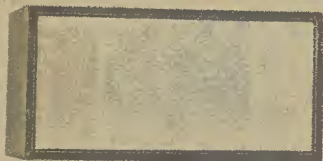
### W-40D Three-Way 10" Speaker System

**\$8995**

\$5 monthly

Three-way system offers fine sound. High-compliance 10" woofer with low cone resonance, acoustically isolated 5" midrange, omnidirectional dome tweeter. Two controls. 35-20,000 Hz. 35 watts. 4-8 ohms. Walnut. 12¼x23½x10½". England. Shpg. wt., 37 lbs.

20 C 7412 U. \$5 Monthly..... 89.95



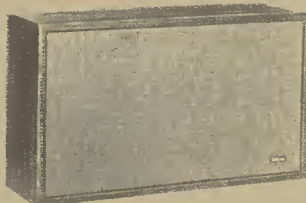
SCOTT

### S-10 Air-Suspension 10" Speaker System

**\$7995**  
\$5 monthly

Exceptionally fine air-suspension system. Powerful 10" woofer, 3½" midrange/tweeter. Built-in level control. *Response:* 35-18,000 Hz. *Capacity:* 7 watts minimum, 50 watts maximum. *Impedance:* 8 ohms. Hand-rubbed oiled walnut finish. Changeable grille cloth. 11¾x23¼x9". 28 lbs.

20 C 7367 U. \$5 Monthly..... 79.95



ARGOS

### TX-4 Three-Way 12" Speaker System

**\$7995**  
\$5 monthly

Handsome bookshelf system containing three fine speakers for sparkling performance from 35-17,000 Hz. Jensen 12" woofer offers powerful bass. Solid-back 8" midrange recreates mid-tones. Direct-radiator 3½" tweeter. 40 watts. 8 ohms. Walnut. Vertical or horizontal use. 11¾x25x9".

20 C 7280 U. Wt., 29 lbs. .... 79.95



**NEW**

UTAH

### A-80 Acoustic- Suspension System

**\$7995**  
\$5 monthly

Three-way system has 10" acoustic-suspension woofer for deep, natural bass. 6" midrange, 3½" tweeter. 34-17,000 Hz. 16 watts, 32 watts peak. 8 ohms. Walnut. 12x23x8".

20 C 7054 U. Wt., 28 lbs. .... 79.95  
20 C 7053 U. A-90. 12" acoustic-suspension woofer, 8" midrange, 3½" tweeter. 28-18,000 Hz. 18 watts. 14x23x10". 33 lbs. .... 89.95



# Bookshelf Speaker Systems at Popular Prices

## FISHER

### XP-55B Two-Way 8" Speaker System

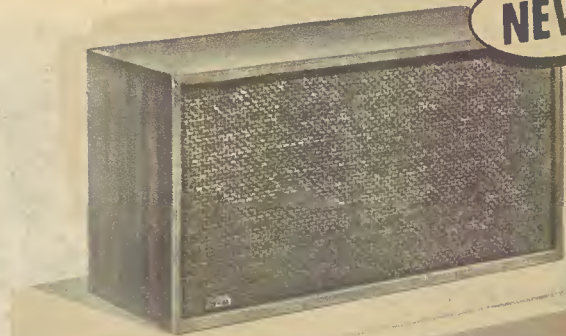
**\$49<sup>95</sup>**

- 8" Woofer in Unique New Suspension System
- 3" Treble Speaker
- Response of 37-20,000 Hz

\$5 monthly

Bookshelf size, yet delivers impressive wide-range sound. Features 8" woofer with 2-lb. magnet structure, in a newly-designed suspension system using a long-throw half-roll surround. The 3" treble speaker has a low-mass cone for peak-free response to 20,000 Hz, without coloration. The completely enclosed baffle is heavily damped with Acoustiglas packing, resulting in fundamental bass response down to 37 Hz, without doubling. *Response:* 37-20,000 Hz. *Impedance:* 8 ohms. *Recommended Amplifier Power:* 10 to 30 watts. Sturdy enclosure with beautiful walnut finish. Size, 10x20x7½". Shpg. wt., 18 lbs.

20 C 7214 U. \$5 Monthly. . . . . 49.95



**NEW**



**\$54<sup>95</sup>**

### WHARFEDALE W-30D Two-Way

\$5 monthly 8" Speaker System

Heavy-duty high-compliance 8" woofer. Omnidirectional 3" pressure-dome tweeter disperses highs uniformly. Variable tweeter control. 40-18,500 Hz. Floating grille stops huzz. Capacity. 35 watts. 4-8 ohms. Walnut finish. 10x19x9¼". England. 20 lbs.

20 C 7411 U. \$5 Monthly. . . . . 54.95



**\$59<sup>85</sup>**

### ELECTRO-VOICE E-V-7A Two-Way

\$5 monthly 8" Speaker System

Compact speaker system is only 10 x19x9". Special 8" woofer reproduces lowest frequencies without distortion. 3½" tweeter provides impressive highs. Tweeter control for adjusting high end of audio spectrum. 40-20,000 Hz. 8 ohms. 25 watts. Walnut. Wt., 19 lbs.

20 C 7188 U. \$5 Monthly. . . . . 59.85



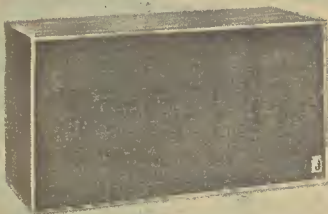
**\$69<sup>21</sup>**

### UNIVERSITY Ultra-D Three-Way

\$5 monthly 10" Speaker System

Ultra-linear 10" woofer for excellent bass reproduction. 4" mid-range speaker with special curvilinear cone, cone tweeter, aluminum voice coil. Brilliance/presence control. 30 Hz to beyond audibility. 32 watts. 8-16 ohms. Walnut. 11¼x23¼x9¾". 24 lbs.

20 C 7121 U. \$5 Monthly. . . . . 69.21



**\$66<sup>00</sup>**

### JENSEN X-45 Two-Way

\$5 monthly 8" Speaker System

Excellent for compact central stereo, or remote extensions. Has 8" Flexair woofer, and compression driven horn-loaded tweeter. *Response:* 30-18,000 Hz. 2000 Hz crossover. *Capacity:* 25 watts. 8 ohms. Balance control. Size, 10½x19½x9". Beautiful oiled walnut finish. Shpg. wt., 24½ lbs.

20 C 7081 U. \$5 Monthly. . . . . 66.00



**\$59<sup>95</sup>**

### UTAH A-60 Acoustic-Suspension System

\$5 monthly 8" Speaker System

Two-way system features 8" acoustic-suspension woofer that delivers deep, natural bass without boominess. A 3½" tweeter produces crisp high tones. *Response:* 38-17,000 Hz. *Power Capacity:* 12 watts program, 25 watts peak. 8 ohms. Oiled walnut finish. 11¼x19x8½". Shpg. wt., 19 lbs.

20 C 7056 U. \$5 Monthly. . . . . 59.95



**\$39<sup>95</sup>**

### UTAH SH8W Three-Way

\$5 monthly 8" Speaker System

Fine Utah speaker system delivers superb full-range, distortion-free sound reproduction. Has 8" woofer/midrange coaxial speaker and 3½" tweeter. 40-17,000 Hz. *Capacity:* 25 watts peak. *Impedance:* 8 ohms. Finished in beautiful hand-rubbed oiled walnut veneer. Size, 11¼x19x8½". Shpg. wt., 19 lbs.

20 C 7078 U. \$5 Monthly. . . . . 39.95

No Money Down With an Allied Credit Fund Account

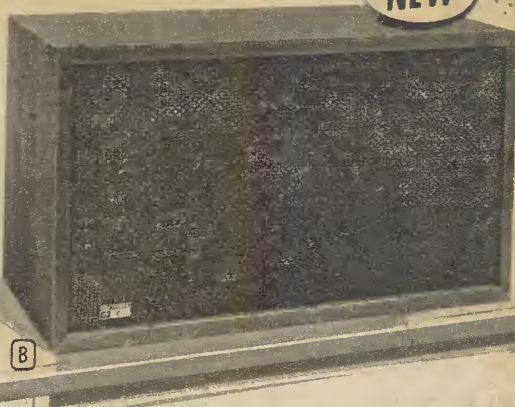
ALLIED 81



# Low-Cost Compact Bookshelf Speaker Systems



A



NEW

B

## A ADC 404 Compact Two-Way 6" Speaker System

**\$49<sup>95</sup>**

\$5 monthly

- Compliant 6" Woofer
- Response Low as 45 Hz
- 1 1/2" Dome Tweeter
- Air-Suspension System

This compact speaker system, not much larger than a few books, is just right for moderately-priced stereo music systems. Offers pleasing, well-balanced, wide-range sound.

High-compliance 6" woofer provides realistic low frequencies. 1 1/2" dome tweeter gives clear highs. Sealed enclosure is filled with sound-absorbing material, causing it to function as an air suspension system.

Response: 45 Hz to beyond audio range. Capacity: 10 to 60 watts. Impedance: 8 ohms. Walnut finish. Size, 7 1/8" x 11 1/8" x 8 1/4". Shpg. wt., 11 lbs. 20 C 7240 X. \$5 Monthly. . . . 49.95

## B FISHER XP-44 Two-Way 6" Speaker System

**\$44<sup>50</sup>**

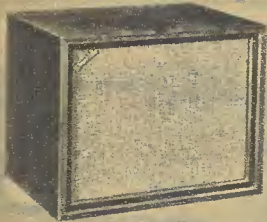
\$5 monthly

- High-Compliance
- Smooth Bass Response
- 2 1/2" Treble Speaker
- 39-19,000 Hz

Designed especially for high-fidelity enthusiasts who demand the quality performance of a large speaker system, but in an enclosure far smaller in size, and at a budget price.

Specially-designed 6" woofer, with heavy 2-lb. magnet structure and 1" voice coil reproduces frequencies down to 39 Hz without distortion. Treble speaker with 2 1/2" cone provides pure, sparkling highs.

Response: 39-19,000 Hz. Recommended Amplifier Power: 10-25 watts. Impedance: 8 ohms. Walnut finish. 8 1/4" x 15 1/4" x 6 1/2". Shpg. wt., 15 lbs. 20 C 7213 X. \$5 Monthly. . . . 44.50

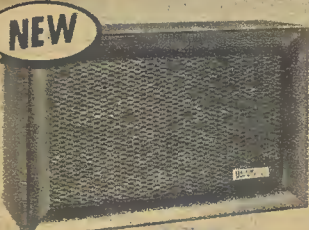


**\$44<sup>95</sup>**

\$5 monthly

## WHARFEDALE W-20D Two-Way 8" System

Achromatic acoustic-suspension in a compact speaker system. Has high-compliance 8" woofer and pressure dome 3" tweeter. Variable control for maximum total adjustment. Requires 10 watts minimum. 4-8 ohms. Size, 9 3/4" x 14 x 8 1/2". Handsome oiled walnut finish. Shpg. wt., 14 lbs. 20 C 7417 X. \$6 Monthly. . . . 44.95

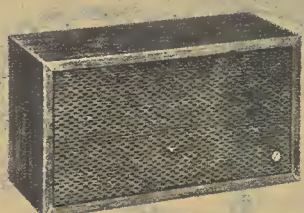


**\$44<sup>55</sup>**

\$5 monthly

## UNIVERSITY Miniflex 3 2-Way 6 1/2" System

Enjoy excellent full-range sound with this new compact bookshelf system. Features 6 1/2" long-throw woofer for full-toned bass, and 3 1/2" solid-back tweeter that delivers highs with thrilling clarity. Response: 40 Hz to beyond audibility. Capacity: 20 watts. Impedance: 8 ohms. Beautiful oiled walnut finish. 9 1/4" x 15 x 6". Shpg. wt., 12 lbs. 20 C 7113 X. \$5 Monthly. . . . 44.55

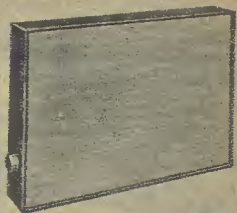


**\$31<sup>50</sup>**

\$5 monthly

## ELECTRO-VOICE EV-Eleven Two-Way 6" System

Fine-sounding two-way system economizes on space and budget. Enclosure resonance tuned to special 6" two-way speaker. Two coaxial cones, operating from a single voice coil, divide the audio spectrum. Capacity: 25 watts peak. Impedance: 8 ohms. Walnut veneer has vinyl coat for lasting beauty. 8 1/2" x 15 1/4" x 6 1/2". 12 lbs. 20 C 7185 X. \$5 Monthly. . . . 31.50



**\$24<sup>95</sup>**

\$5 monthly

## UTAH PT4C Two-Way 8" System

Use it on the floor, stand it on a shelf, or hang it like a picture. Built-in keyhole slots. Features an 8" woofer, and a 3 1/2" tweeter. Built-in volume control. Capacity: 8 watts peak. Impedance: 8 ohms. Oiled walnut veneer. 12 x 18 x 3 1/8". Shpg. wt., 7 lbs. 20 C 7077 X. \$5 Monthly. . . . 24.95 PT2B. Above, except 3x5" tweeter. 20 C 7066 X. Wt., 6 lbs. . . . 17.95



# Extra-Value Hi-Fi Speakers by



## Why Choose ALLIED Speakers?

- Crafted to True Hi-Fi Standards
- Superior Performance at Lower Prices  
—Compare Other Major Brands
- Guarantee of Satisfaction—Pg. 450.

## Latest Improvements

The very latest engineering improvements, far the finest in sound reproduction, are constantly being incorporated into every Allied high-fidelity speaker.

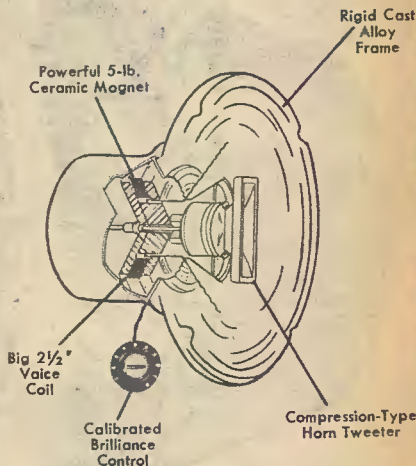
## Designed Especially for You

Allied speakers are designed to meet your requirements no matter how critical. There is a speaker engineered for every application, at a price you can afford.

**Giant 5-Pound  
Ceramic Magnet**



## THESE FEATURES GIVE YOU DISTINCTLY SUPERIOR HI-FI



# \$74<sup>95</sup>

\$5 monthly

## Our Finest ALLIED® Speaker! The Three-Way 15-inch 615HC .. Engineered to Give You Broadcast-Quality Hi-Fi Sound

- 15" High-Compliance Woofer for Powerful Bass
- Radax Cone Adds Realism to Middle Frequencies
- Full 100-Watt Peak Music Power Capacity
- Rigid Cast Alloy Frame Aligns Moving Elements
- Screw-Type Terminals for Easy Connection
- Frequency Response from 20 to 20,000 Hz

Compares with monitoring speakers used in professional recording and broadcast studios. Huge 15-inch high-compliance woofer reproduces even the lowest bass frequencies of the mighty pipe organ. Radax mid-range cone, with crossover at 2000 Hz, enhances the important middle frequencies. Compression-type VHF tweeter, with rectangular diffraction horn, for smooth sound dispersion over a wide area with finest possible high-frequency response. Full 100-watt peak power capacity handles thunderous musical passages without distortion. All moving elements are locked in perfect alignment by the super-strong cast alloy frame. Calibrated brilliance control adjusts high-frequencies to match room acoustics. Electrical crossover network for optimum frequency division. Convenient binding post terminals for fast, easy connection to amplifier. Mounting depth, 9 1/8". Actual wt., 28 lbs.  
20 C 9702 U. Shpg. wt., 32 lbs. \$5 Monthly.....74.95

### SPECIFICATIONS

Free-Air Resonant Frequency: 25 Hz.  
Frequency Response: 20-20,000 Hz.  
Crossover Frequencies: Mechanical at 2000 Hz, Electrical at 3500 Hz.  
Power Capacity: 50 watts, 100 watts peak.  
Magnet Wts: Woofer, 5 lbs.; tweeter, 6.8 oz.  
Magnet Material: Ring-type ceramic.  
Flux Density: 14,500 gauss.  
Voice Coils (Edge-Wound): Woofer, 2 1/2" copper ribbon; tweeter, 1" aluminum ribbon.  
Rated EIA Sensitivity: 55 dB.  
Nominal Impedance: 8 ohms.

ALLIED High-Fidelity Speakers Are Available Only from Allied Radio

ALLIED 83

# Advantages of Ready-to-Mount Speakers

## Easy Custom Installation

Ready-to-mount speakers make it easy, and practical, to "pipe" music to every room. You can design a custom system or buy a special speaker enclosure.

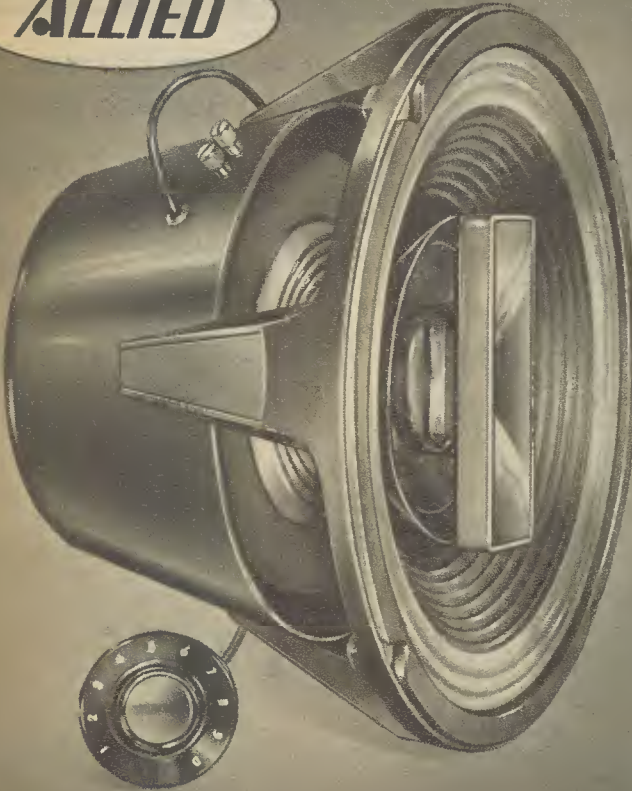
## Use All Your Living Space

Enjoy music in every room without taking up valuable space. Ready-to-mount speakers offer excellent sound when wall or ceiling serves as a baffle.

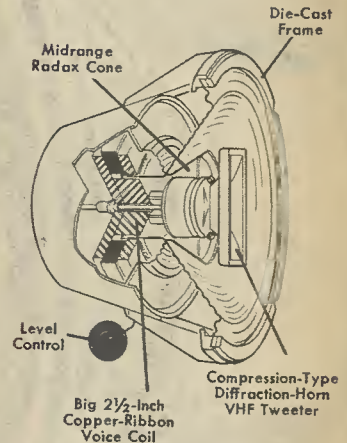
## You Save Two Different Ways

Save when you buy your speaker at Allied's low prices. Save again by eliminating the need for a speaker enclosure, or by building on enclosure.

# ALLIED



## 5-LB. CERAMIC MAGNET PLUS DELUXE FEATURES



# \$64<sup>95</sup>

\$5 monthly

## ALLIED 612HC.. Our Finest Three-Way 12-inch Speaker

- Frequency Response from 22 to 20,000 Hz
- 70-Watt Peak Power Handling Capacity
- Exceptional Bass Response Without Booming
- Level Control for Precise Tweeter Adjustment
- Rigid Frame Assures Alignment of Moving Elements
- Easy-to-Use Screw-Type Binding Posts

Exclusive at Allied, the finest 12" speaker you can buy *anywhere* at this price! Includes features generally found only in professional-quality recording and broadcast studio speakers. Big 12" high-compliance woofer is damped by an extremely powerful 5-pound ceramic magnet. Low resonant frequency permits outstanding bass response, without booming, in virtually any type of speaker enclosure.

Midrange Radax cone with crossover at 2000 Hz greatly enhances the middle frequencies and lends exceptional presence for dramatic realism. Very-high frequency compression-type diffraction-horn tweeter reproduces smooth highs to 20,000 Hz over a wide area.

Electrical crossover channels frequencies above 3500 to tweeter for best frequency division. Rigid frame locks copper-ribbon voice coil and all other moving elements in precise alignment. Calibrated brilliance control, on 36-inch cable, adjusts output level of tweeter. Screw-type binding post terminals for quick connection. Shpg. wt., 30 lbs.

20 C 9701 U. \$5 Monthly.....64.95

### SPECIFICATIONS

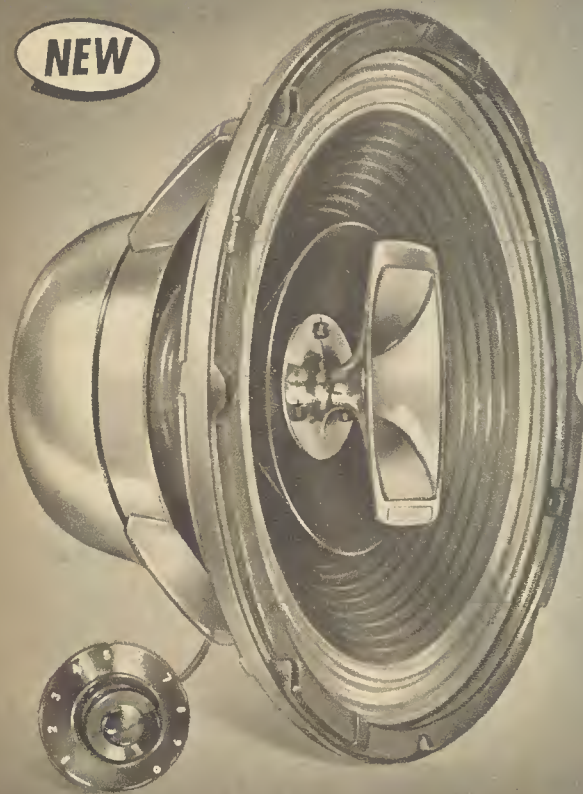
*Free-Air Resonant Frequency:* 40 Hz.  
*Frequency Response:* 22 to 20,000 Hz.  
*Crossover Frequencies:* mechanical at 2000 Hz; electrical at 3500 Hz.  
*Power Handling Capacity:* 35 watts (70 watts peak).  
*Magnet Weights:* woofer, 5 lbs.; tweeter, 6.8 oz.  
*Magnet Material:* ring-type ceramic.  
*Voice Coils (Edge-wound):* woofer, 2½" copper ribbon; tweeter, 1" aluminum ribbon.  
*Rated E.I.A. Sensitivity:* 53 dB.  
*Nominal Impedance:* 8 ohms.  
*Speaker Mounting Depth:* 7½".  
*Weight:* (actual) 27 lbs.



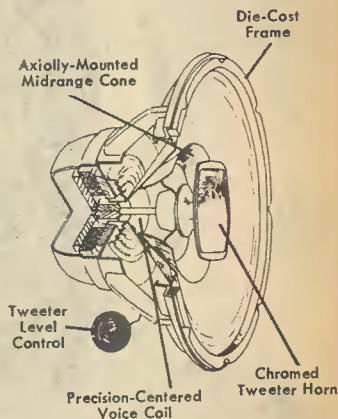
# Value-Packed Three-Way 12-inch Hi-Fi Speaker

LARGE 1¾-POUND CERAMIC MAGNET FOR DEEP POWERFUL BASS  
PLUS FIRST-QUALITY PARTS FOR FLAWLESS CONSTRUCTION

**NEW**



**CHECK THESE DELUXE  
QUALITY FEATURES**



**\$39<sup>95</sup>**

\$5 monthly

## ALLIED 888HCA Three-Way 12-inch High-Fidelity Speaker

- Smooth Overall Frequency Response from 25 to 19,000 Hz
- Excellent Performance in Virtually Any 12-inch Enclosure
- Super-Strong Cast-Alloy Frame Assures Perfect Alignment of All Moving Elements
- Easy to Mount—Only 6¾" Deep
- 1¾-Lb. Ceramic Magnet

Big, expensive-speaker sound—you'll be amazed at the performance of the 888HCA. Offers quality construction with superior components for clean natural-sounding music over a full frequency range. Used in any good enclosure, this speaker can reproduce the bass of a pipe organ with the power to shake the walls, or recreate the sound of a single trumpet with crystal-clarity.

Big 12" high-compliance woofer, with 1¾-lb. magnet and 1½" voice coil, offers bass down to 25 Hz. Midrange radiator cone with axial mounting adds realism to the middle frequencies. Woofer and midrange are driven by a high-efficiency ring-type ceramic magnet. Chromed compression-type tweeter has Alnico V magnet and diffraction horn for clean highs and wide dispersion angle—response extends to 19,000 Hz.

Built-in crossover separates bass and midrange frequencies. Electrical crossover for highs. Tweeter has level control. Cast alloy frame locks moving elements in alignment. Shpg. wt., 11½ lbs. **39.95**  
20 C 9753 X. \$5 Monthly.....

### SPECIFICATIONS

Free-Air Resonant Frequency: 25 Hz.  
Overall Frequency Response: 25-19,000 Hz.  
Crossover Frequencies: mechanical, 2000 Hz;  
electrical, 4000 Hz.  
Capacity: 25 watts (50 watts peak).  
Magnet Weight: woofer, 1¾-lbs. ceramic;  
tweeter, 4.65-oz. Alnico V.  
Flux Density: woofer, 12,650 gauss; tweeter,  
13,500 gauss.  
Voice Coils: woofer, 1½"; tweeter, 1".  
Rated E.I.A. Sensitivity: 53 dB.  
Rated Impedance: 8 ohms.  
Mounting Depth: 6¾".  
Overall Diameter: 12¼".  
Actual Weight: 8½ lbs.

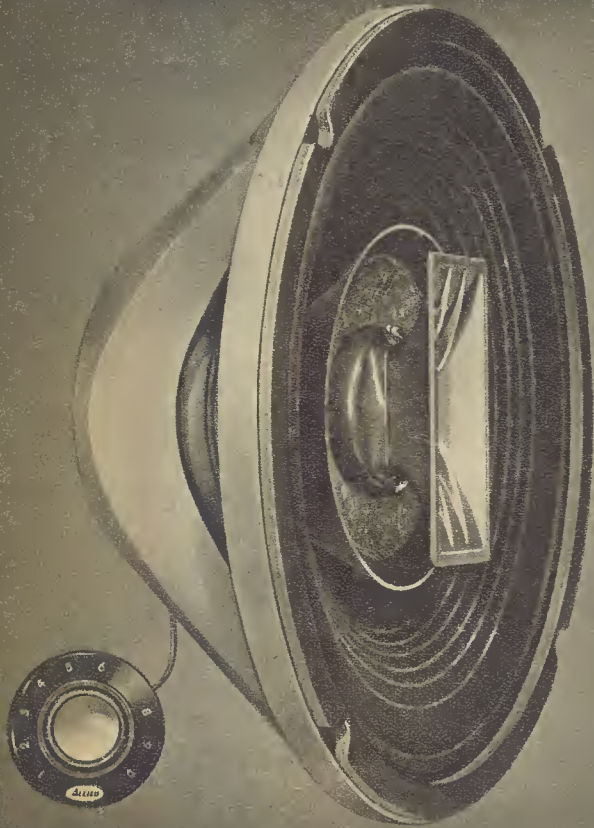
See Pages 86-88, 96-99 for Complete Selection of Speaker Enclosures

**ALLIED 85**

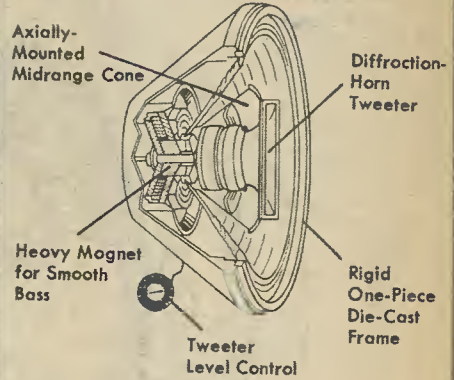
# ALLIED

## Our Most Popular 12" Speaker

THREE SEPARATE ELEMENTS FOR NATURAL SOUND



Quality Features . .  
Your Assurance  
of Better Hi-Fi



Allied's Best Value  
In a 12-inch Speaker

**\$24<sup>95</sup>** \$5  
monthly

## ALLIED 830BHC Three-way 12-inch High-Fidelity Speaker

Packed with features for the budget minded. Low-cost speaker has many engineering refinements of more costly Allied Speakers. One-piece die-cast frame assures stability by locking 2-inch voice coil and other moving elements into precise alignment. High-compliance, long-excursion 12-inch woofer for deep, natural bass. Separate axially-mounted midrange cone for distortion-free middle frequencies. Compression-type VHF tweeter, with rectangular horn, disperses clear, brilliant high notes over a wide area. Crossovers at 3500 Hz and 2000 Hz. Calibrated level control on tweeter for adjusting high-frequency response. Binding post terminals for quick solderless hookup in seconds. Operates in any speaker enclosure with 12-inch cutout—at its acoustic best in 1286 enclosure below. Only 5 1/4" deep.

### SPECIFICATIONS

Free-Air Resonant Frequency: 30 Hz.  
Frequency Response: 25 to 18,000 Hz.  
Power Capacity: 20 watts, (40 watts peak).  
Magnet Weight: woofer 13 oz.; tweeter 3.16 oz.  
Magnet Material: ceramic  
Crossovers: 3500 Hz elec; 2000 Hz mechanical  
Flux Density: woofer, 11,500 gauss; tweeter, 10,000 gauss.  
Voice Coil Diameter: woofer, 2"; tweeter, 1".  
Rated EIA Sensitivity: 47.2 dB.  
Rated Impedance: 8 ohms.



**\$29<sup>95</sup>**

\$5 monthly



### ALLIED 1286 12-inch Speaker Enclosure

Beautifully finished, factory assembled speaker enclosure at a low price. Features vented-port design for 12" speaker, and is a perfect match for the Allied 830BHC speaker shown above. Improves bass response and brings out best performance from any speaker. Deluxe construction, space-saving size. Solid 3/4" hardwood with oiled walnut veneer on all four sides. Fiberglass lined for best acoustical performance. Two-lug terminal strip for easy connection to amplifier. Size, 14 3/4 x 24 x 12" deep. Shpg. wt., 3 1/4 lbs.  
20 C 9731 U. \$5 Monthly.....29.95



# Our Lowest Priced ALLIED 12-inch Hi-Fi Speaker

BEST SOUNDING 12" SPEAKER WE'VE EVER OFFERED AT THIS LOW PRICE

## New Allied 822HCA Two-Way 12-inch High-Fidelity Speaker

**\$14<sup>95</sup>**

- Aluminum Dome for Crisper Highs
- Boss Response Down to 25 Hz
- High-Compliance 12-inch Woofer
- Rigid Die-Cast Metal Frame

New, with a multitude of exciting features at an exceptionally low price. Provides excellent reproduction of the orchestral range. Incorporates 12-inch high-compliance woofer with an efficient treble cone, plus an aluminum dome for an overall frequency response of 25-15,000 Hz... exceptional for a speaker of this low price.

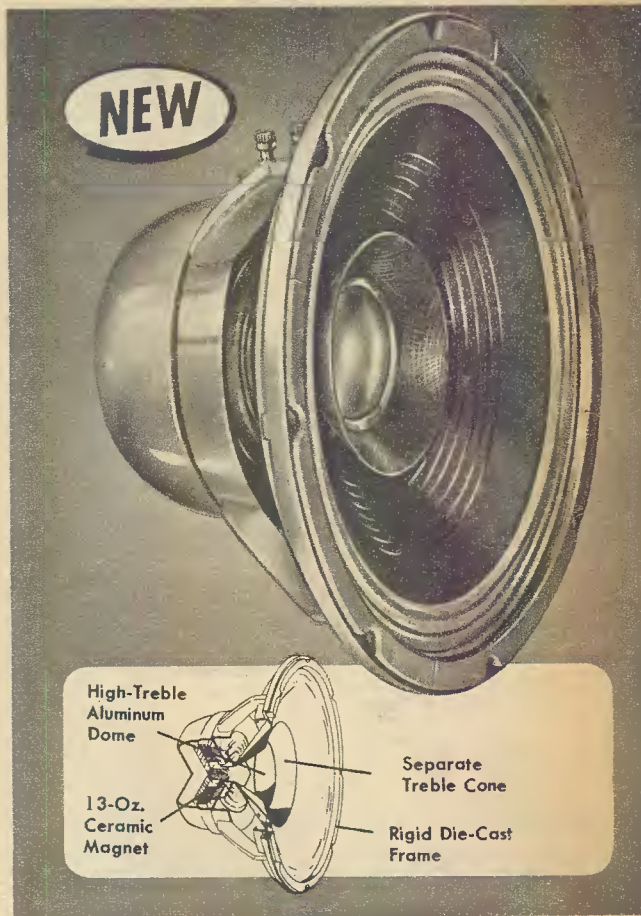
Crossover distributes sound above 5000 Hz to the efficient treble cone and aluminum dome for best frequency distribution. Solid die-cast metal frame keeps 1 1/4-inch diameter long-throw sealed copper voice coil and other moving parts in precision alignment. Heavy-duty voice coil is sealed against damaging shorts, dust and moisture.

The exceptionally low resonant frequency of 30 Hz makes the 822HCA an excellent performer in any enclosure, but we especially recommend the popular Allied 1290K Enclosure Kit described below. Easy-to-mount speaker has convenient binding post terminals for quick solderless connections. Mounting depth, 6 3/8 inches. Shpg. wt., 7 1/2 lbs.

20 C 9751 X..... 14.95

### SPECIFICATIONS

- Free Air Resonant Frequency: 30 Hz.  
 Overall Frequency Response: 25-15,000 Hz.  
 Crossover: Mechanical at 5000 Hz.  
 Power Handling Capacity: 20 watts (40 watts peak).  
 Magnet: 13-oz. Ceramic type; 11,500 gauss.  
 Voice Coil: 1 1/4-inch diameter; long-throw, sealed copper.  
 Rated Impedance: 8 ohms.  
 Mounting Depth: 6 3/8 inches.  
 Shipping Weight: 7 1/2 lbs.



## Popular ALLIED 1290K Deluxe 12" Speaker Enclosure Kit

**\$22<sup>95</sup>**

\$5 monthly

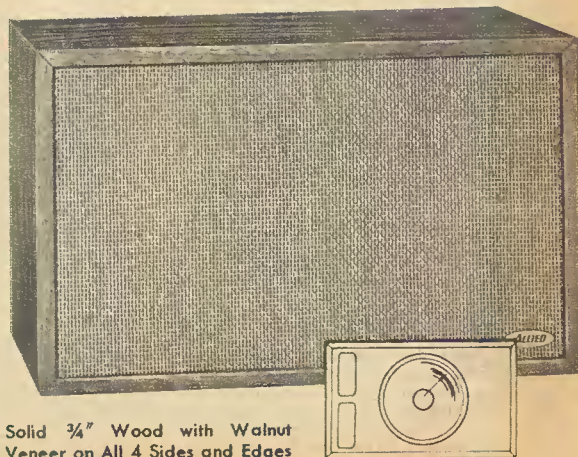
- Walnut Veneer On All 4 Sides
- Vented-Port Increases Boss
- Rugged 3/4-Inch Construction
- Easily Assembled in on Evening

Priced lower than you would expect to pay for a speaker enclosure kit of this quality. Features vented-port design for improved bass response. Compact, yet boasts attractive styling that goes well with virtually any decor. Engineered to accept 12" speakers, including most 2 and 3-way types—specially the Allied 822HCA above.

Has fiberglass acoustic lining and sturdy 3/4" wood panels. All 4 sides have handsome walnut veneer—place it horizontally on shelf or vertically on floor. Assembles with just a screwdriver. Kit includes oil for rubbing-in a rich walnut finish.

Acoustically-transparent grille cloth is factory mounted. Back has terminal strip for speaker connection. Instructions included. Size, 14 3/4"x24x12" deep. Shpg. wt., 29 lbs.

20 C 9711 U. \$5 Monthly..... 22.95



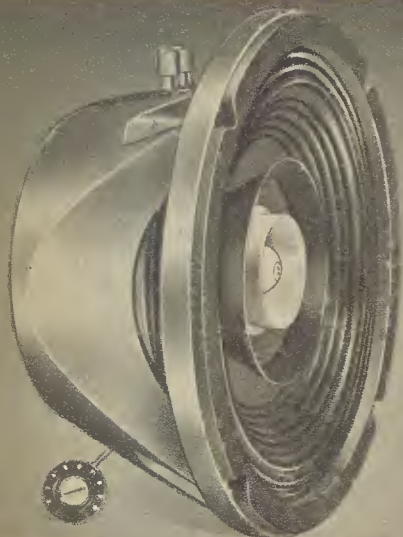
Order Your Speakers Now with Allied's Credit Fund Plan

ALLIED 87

# ALLIED

## Our Finest 8-inch Speaker

### FEATURES 3-WAY DESIGN FOR FULL RESPONSE



#### ALLIED Model 839 Three-Way 8-inch High-Fidelity Speaker

**\$19<sup>95</sup>**

\$5 monthly

- 45-18,000 Hz Frequency Response
- Woofer Boasts Large 2" Voice Coil
- Calibrated Tweeter Level Control
- Super-Strang Die-Cast Frame

Our best Allied 8" speaker. Performs like a 12" speaker, yet it's actually priced lower than many "8's". Three-way design gives you powerful bass, plus excellent midrange and highs. Performs brilliantly in any good enclosure, such as the 1295K below. Makes a superb hi-fi speaker for extension use. Compact size, only 3 7/8" deep, makes it ideal for custom mounting in wall or ceiling, too.

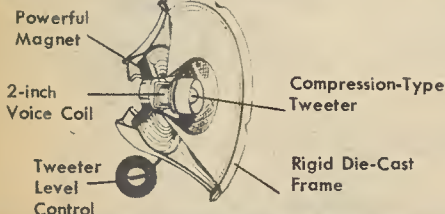
High-compliance 8" woofer, and oversize 2" voice coil, deliver solid bass as low as 45 Hz. Separate midrange cone lends crispness to the 2000 Hz to 4000 Hz range, important for clear, natural reproduction of music. Compression-type tweeter pours out distortion-free highs up to 18,000 Hz. Tweeter has level control to tailor "highs."

Built-in mechanical crossover for midrange, and electrical crossover for tweeter. Frequencies are channeled to correct speaker component for best overall tonal reproduction. Screw-type terminals for quick, solder-free connection to any amplifier. Speaker mounting depth, 3 7/8". Shpg. wt., 7 lbs.

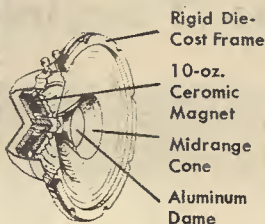
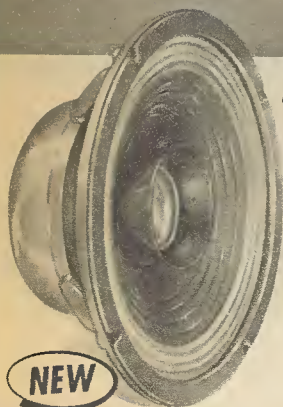
20 C 9700. \$5 Monthly..... 19.95

#### SPECIFICATIONS

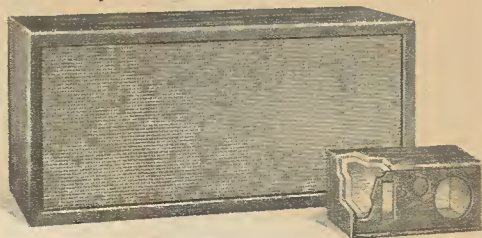
Free Air Resonant Frequency: 65 Hz.  
 Overall Frequency Response: 45 to 18,000 Hz.  
 Crossover Frequencies: Mechanical at 2000 Hz, Electrical at 4000 Hz.  
 Power Capacity: 20 watts (40 watts peak)  
 Magnets: Woofer: Ceramic, 10 oz. Tweeter; Alnico V, 1.47 oz.  
 Voice Coil: Woofer 2", Tweeter 1".  
 Rated Impedance: 8 ohms.  
 Mounting Depth: 3 7/8".  
 Actual Weight: 6 lbs.



#### ALLIED 809HC Two-Way 8-inch Speaker



#### ALLIED 1295K 8-inch Speaker Enclosure Kit



**\$14<sup>95</sup>**

- Walnut Veneer on All Four Sides
- Rugged 3/4" Wood Construction
- Easy to Assemble, Ready to Finish

**\$9<sup>95</sup>**

- Aluminum Dome for Brilliant Highs
- Frequency Range of 40 to 13,000 Hz
- Separate Midrange Radiator Cone

An unbeatable value. New high-compliance 8" woofer with 10-oz. ceramic magnet and 1" voice coil; separate midrange radiator cone; plus aluminum dome for crisp highs. Rigid die-cast frame insures precision alignment of moving parts. Ideal for extension speaker or for low-cost stereo system (with enclosure at right). Capacity, 15 watts (30 watts peak). 8 ohms. Depth, 3 5/16". Binding posts.

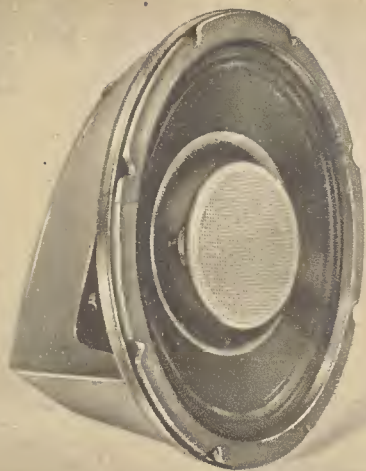
20 C 9750. Shpg. wt., 3 3/4 lbs..... 9.95

Absolutely the best value we've ever offered in a shelf-size 8" enclosure. Features ducted-port design for extended bass response. Use on shelf or floor, either vertically or horizontally. 3/4" wood with walnut veneer on all sides. Just rub in finishing oil (not included) for attractive oiled walnut finish. Fiber-glass lined. Screw-type terminal strip. Size, 11x24x9". With instructions.

20 C 9721 X. Shpg. wt., 16 lbs..... 14.95



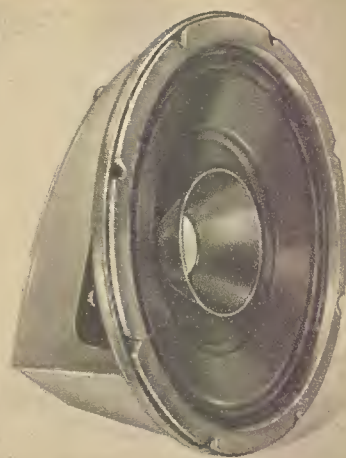
# Special Purchase of Utah Hi-Fi Speakers



**C12P-4 Three-Way 12-inch Speaker**

Save  
\$8.00  
\$16<sup>95</sup>

Was \$24.95. Save 32%. Three-way speaker has 12" woofer with 1½" voice coil and 1¼-lb. barium-ferrite magnet for deep, rich bass. Dual cones for extended high frequency response. Response, 30-20,000 Hz. Capacity, 25 watts rms, 45 watts peak. 8 ohms. 5 11/16" deep. Shpg. wt., 12 lbs.  
20 C 8228 X..... 16.95



**C12JC-2 Two-Way 12-inch Speaker**

Save  
\$6.00  
\$13<sup>95</sup>

Was \$19.95. Save 30%. Tremendous value in a 12" two-way dual cone speaker. 10-oz. magnet, 1" voice coil. Response, 30-17,500 Hz. 18 watts rms. 35 watts peak audio. Resonant frequency, 45 Hz. 8 ohms. 5 11/16" deep. Fingertip terminals with teflon insulation. Shpg. wt., 9¾ lbs.  
20 C 8226 X..... 13.95

## Buy Two Utah Three-Way 8-inch Hi-Fi Speakers

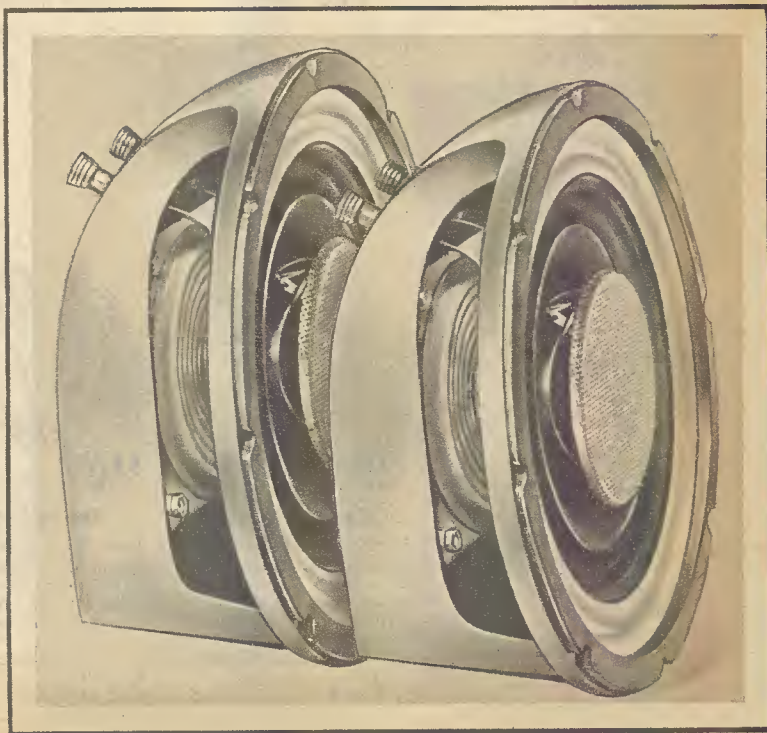
for **\$19<sup>95</sup>** \$5  
only monthly

1 Speaker	2 Speakers
<b>\$18<sup>95</sup></b>	<b>\$19<sup>95</sup></b>

Model C8JC3. This money-saving offer gives you two 8" three-way speakers that deliver outstanding hi-fi for just \$19.95.

Response of 35-20,000 Hz. Woofer has cloth-roll suspension and 10-oz. ceramic magnet for smooth bass; mid-range cone produces clear middle frequencies; tweeter with Alnico V magnet offers pure undistorted highs. Rigid, die-cast frame locks all moving elements in perfect alignment. Large windows in frame permit maximum cone travel.

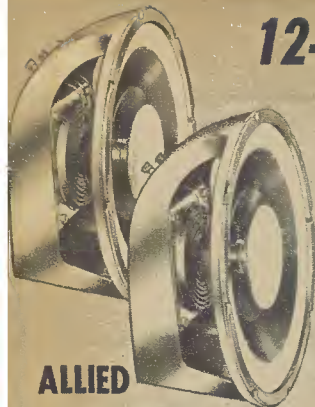
Moisture resistant. Internal dust seal protects precision voice coil gap. Spring-loaded terminals. Capacity: 15 watts rms, 30 watts peak. 8 ohms. Each, 5½ lbs. \$5 Monthly.  
20 C 8414. Two Speakers..... 19.95  
One Speaker..... 18.95



Order Your Speakers Now with Allied's Credit Fund Plan

ALLIED 89

# 12-inch Three-Way Hi-Fi Speakers



**ALLIED  
EXCLUSIVE**

PER PAIR **\$35.95** \$5 monthly

## Utah C-12PC-3B

One of Utah's most popular bi-fi speakers, now offered in pairs at a special low Allied price! Full 12" woofer with cloth-roll suspension and 1½" copper voice coil. Midrange cone and tweeter with Alnico V magnets. Crossovers at 1000 and 3500 Hz. Die-cast frame. 25-20,000 Hz. Power capacity, 45 watts peak. 8 ohms. 5 11/16" deep. Shpg. wt. per pair, 24 1/2 lbs.  
20 C 8229 X... Two for 35.95  
One Speaker ..... 34.95

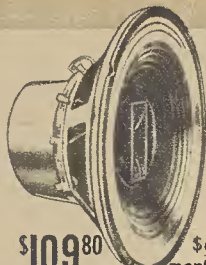


**SPECIAL  
PURCHASE**

NOW ONLY **\$41.88** \$5 monthly

## University 1212

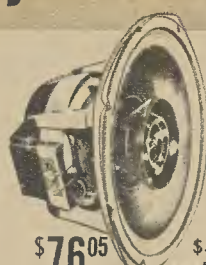
A quality hi-fi speaker at a special low Allied price! Features rich-sounding 12" woofer, clear-toned midrange element, and sphericon tweeter to cover the audio spectrum from 35 to 30,000 Hz. Free-piston design with cloth suspension. Capacity, 30 watts. 8 ohms. 8 1/4" deep. Wt., 10 1/4 lbs.  
20 C 8059 X..... 41.88



**\$109.80** \$6 monthly

## Electro-Voice 12TRX

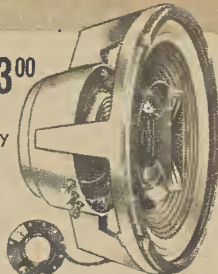
E-V's finest 12" 3-way speaker. Superb full-range sound from 30 Hz to beyond audio range. 12" woofer with 3-lb. magnet, Radax midrange, wide-dispersion tweeter. 2000, 3500 Hz crossovers. 80 watts peak. 16 ohms. 7 1/2" deep. 25 lbs.  
20 C 8138 U..... 109.80



**\$76.05** \$5 monthly

## University 312

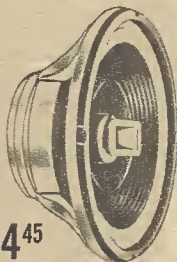
University's best-selling 3-way speaker. Massive 12" woofer; "Diffusicone" midrange and "Sphericon" super-tweeter give 28-40,000 Hz response. LC crossover. 35 watts. 8-16 ohms. 6 3/8" deep. 10 1/4 lbs.  
20 C 8006 X..... 76.05



**\$63.00**  
\$5 monthly

## Electro-Voice 12TRXB

Designed to delight the most critical listener. Combines 12" woofer with 1 1/2-lb. magnet, Radax midrange, and wide-dispersion horn tweeter. Beautiful tone from 35 Hz to beyond audibility. 60-watts peak. 16 ohms. 7" deep. 16 lbs.  
20 C 8137 X..... 63.00



**\$54.45**  
\$5 monthly

## Jensen SG-220

Big 12" woofer with 1-lb. magnet for rich bass down to 20 Hz. Midrange frequencies handled by a smooth midrange radiator. Wide-dispersion super-tweeter for brilliant highs. 20-18,000 Hz. 20 watts. 8 ohms. 5 7/8" deep. 12 lbs.  
20 C 8374 X..... 54.45

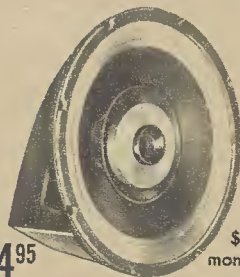


**NEW**

**\$39.95**  
\$5 monthly

## Utah HF12PC-H

Newly designed to offer higher compliance and richer bass. Outstanding midrange and extended high frequencies. Response, 23-20,000 Hz. Capacity, 45 watts peak. 8 ohms. 5 7/8" deep. 13 lbs.  
20 C 8200 X..... 39.95



**\$34.95**

\$5 monthly

## Utah C12PC-HF

Full 12" woofer with cloth roll suspension and 1 1/4-lb. ceramic magnet brings you smooth bass down to 25 Hz. Compression horn tweeter brings highs to 20,000 Hz. Asymmetric frame. 45 watts peak. 8 ohms. 5 11/16" deep. Shpg. wt., 12 lbs.  
20 C 8240 X..... 34.95

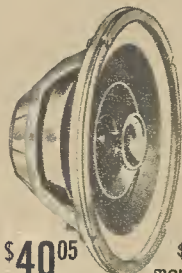


Slim-Line  
Duol  
Dia-  
phragm  
Design

**\$35.55** \$5 monthly

## University M-12T

A fine 12" speaker for superb low and mid-frequency reproduction. "Sphericon" tweeter extends highs beyond audibility—extra-wide dispersion. 35-40,000 Hz. 30 watts. 8 ohms. 3 3/8" deep. Wt., 9 lbs.  
20 C 8280 X..... 35.55



**\$40.05** \$5 monthly

## Jensen DL-220

Provides excellent hi-fi sound. 12" woofer with 1-lb. magnet for full bass. Midrange radiator, compression tweeter. 25-17,000 Hz. 20 watts. 8 ohms. 5 1/16" deep. Shpg. wt., 10 lbs.  
20 C 8376 X..... 40.05



**\$36.00** \$5 monthly

## Electro-Voice LT-12

Popular E-V speaker has 12" woofer with 12-oz. magnet, Radax midrange and horn tweeter. Offers full bass response down to 40 Hz, and highs beyond the audio range. 20 watts; 8 ohms. 5 3/4" deep. 9 lbs.  
20 C 8120 X..... 36.00



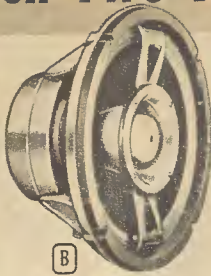
# 12-inch Two-Way Hi-Fi Speakers



**\$102.60** \$6 monthly

**A Altec-Lansing 601C**

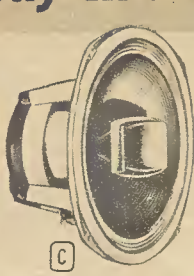
12" woofer with 9½-lb. magnet structure. VHF driver, multi-cell horn. Level control. 30-22,000 Hz. 30-watts peak. 8 ohms. 5½" deep.  
20 C 8219 X. Wt., 18 lbs. .... 102.60



**\$79.88** \$5 monthly

**B Jensen SG-223**

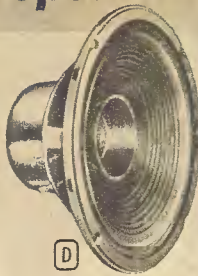
Outstanding 12" speaker. "Flexair" woofer with 1¾-lb. magnet, horn-loaded reflex tweeter. Response, 20-20,000 Hz. 25 watts. 8 ohms. 6¾" deep.  
20 C 8382 X. Wt., 15 lbs. .... 79.88



**\$62.55** \$5 monthly

**C University 6201**

Coaxial speaker with separate magnets for woofer and compression tweeter. 28 Hz to beyond audio range. 35 watts. 8-16 ohms. 6¾" deep.  
20 C 8009 X. Wt., 10½ lbs. .... 62.55



**\$63.00** \$5 monthly

**D Electro-Voice SP12**

Treated woofer with 3-lb. magnet; Radax high-frequency radiator. Cross-over at 4000 Hz. Response, 30-15,000 Hz. 80-watts peak. 16 ohms. 7½" deep.  
20 C 8130 X. Wt., 21 lbs. .... 63.00



**\$41.88**

\$5 monthly

## SPECIAL PURCHASE

**Altec-Lansing 412C**

Great value at this special low Allied price! Features Altec-Lansing's exclusive Biflex multiple-compliance design. 12" woofer with unique mid-cone compliance permits thrilling bass and brilliant treble. 30-15,000 Hz. 30-watts peak. 8 ohms. 5½" deep. 16 lbs.  
20 C 8212 X. \$5 Monthly 41.88

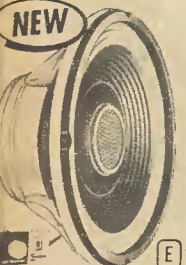


## ALLIED EXCLUSIVE

PER PAIR **\$27.50** \$5 monthly

**Utah C12PC-2A**

Pair of fine-quality hi-fi speakers at an exclusive low Allied price! Dual-cone design with 12" high-compliance woofer and cleanly-responsive treble cone. 20-oz. ceramic magnet; 1½" voice coil. 30-20,000 Hz.; 45-watts peak; 8 ohms. 5½" deep. Shpg. wt., per pair, 23 lbs.  
20 C 8227 X. .... Two for 27.50  
One Speaker. .... 26.50



**\$47.03** \$5 monthly

**E New! Jensen SG-210**

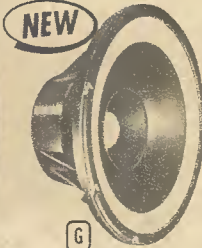
Advance design "Flexair" woofer with 1-lb. "Syntox-6" magnet. Curvilinear-radiator tweeter. Mech. mid-range. 20-16,000 Hz. 20 watts. 8 ohms. 5½" deep.  
20 C 8201 X. Wt., 12 lbs. .... 47.03



**\$36.00** \$5 monthly

**F Electro-Voice SP12B**

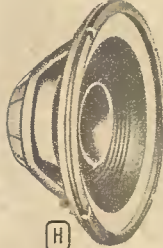
Wide-range coaxial reproducer. High-compliance 12" woofer, Radax super-tweeter. Response, 35-15,000 Hz. 60-watts peak. 16 ohms. 6¾" deep.  
20 C 8131 X. Wt., 15 lbs. .... 36.00



**\$28.50** \$5 monthly

**G New! Utah HF12PC-2**

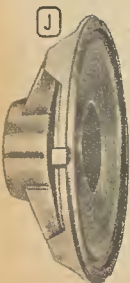
High-compliance 12" woofer for deep, bass. Whizzer cone offers brilliant high frequencies. 23-19,000 Hz. 45 watts peak. 8 ohms. 5½" deep.  
20 C 8202 X. Wt., 12 lbs. .... 28.50



**\$23.18** \$5 monthly

**H Jensen DL-120**

Low-cost dual-cone boasts "Flexair" woofer plus clean high-frequency radiator. Response, 40-15,000 Hz. 20 watts. 8 ohms. 5½" deep.  
20 C 8384 X. Wt., 9 lbs. .... 23.18



**\$20.70** \$5 monthly

Popular Electro-Voice speaker can double as low-frequency driver. Woofer has 13-oz. ceramic magnet. Radax tweeter. 40-14,000 Hz. 20 watts. 8 ohms. 3½" deep.  
20 C 8476 X. 8 lbs. 20.70

**\$17.95**

For budget high-fidelity systems. Delivers surprisingly rich, natural bass response—tweeter produces brilliant highs. 30-14,000 Hz. 40 watts peak. 8 ohms. 6¼" deep. 7½ lbs.  
20 C 8203 X. .... 17.95



**\$9.95**

**Low-Cost Lincoln L-102**

For low-cost stereo systems. Treated woofer cone delivers good bass response. Whizzer cone handles midrange and highs. 1¼-lb.-equivalent Alnico V magnet. 30-14,000 Hz. 20 watts. 8 ohms. 6½" deep. Wt., 6¼ lbs.  
20 C 8440 X. .... 9.95



# Full-Range 15-inch Hi-Fi Speakers

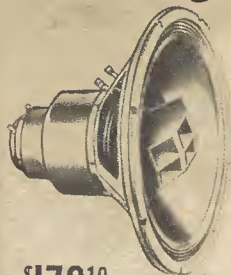


**SPECIAL PURCHASE**

**\$99.50** \$5 monthly

### Altec-Lansing 602D

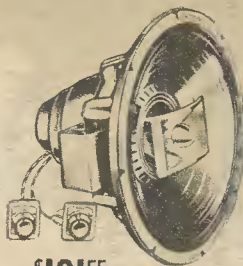
Superb 15-inch 2-way coaxial speaker at a sensational low Allied price! Features high-compliance woofer with 3" voice coil and 10½-lb. magnet structure. Compression driver and cast-zinc horn with 40°x90° dispersion evenly distribute sparkling high frequencies. Cast-alum. frame. With crossover. Level control. 20-22,000 Hz. 25 watts. 8 ohms. 7" deep. 21 lbs. 20 C 8220 X.....99.50



**\$179.10** \$9 monthly

### Altec-Lansing 604E

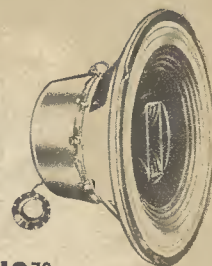
"Super-Duplex" 2-way 15" speaker features massive 27-lb. dual magnet structure. Full-frequency 20-22,000 Hz response. Widely used in professional recording and broadcast monitoring. Coaxially-mounted multicellular horn with level control. 35 watts. 8-16 ohms. 11½" deep. 40 lbs. 20 C 8215 U.....179.10



**\$161.55** \$9 monthly

### University 315C

Three-way speaker has 15" theater-type woofer with 14-lb. magnet structure and special anti-breakup diaphragm. Diffusicone midrange, compression driver, super-tweeter. 25 Hz to beyond audio range. 50 watts. 8-16 ohms. 12" deep. 35 lbs. 20 C 8008 U.....161.55



**\$119.70** \$6 monthly

### Electro-Voice 15TRX

E-V's finest, most popular 3-way 15" speaker. Boasts woofer with 4½-lb. ceramic magnet; exclusive Radax propagator; plus horn-loaded super-tweeter with 6.8-oz. Alnico V magnet. Balance control. Response: 25-20,000 Hz. Capacity, 40 watts. 16 ohms. 8¾" deep. Shpg. wt., 30 lbs. 20 C 8136 U.....119.70

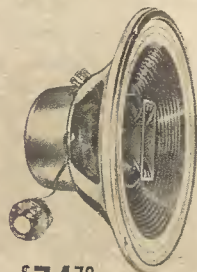


**ALLIED EXCLUSIVE**

**\$40.95** \$5 PER PAIR monthly

### Utah D15PXC-3

Get two 3-way 15" speakers at Allied's exclusive low price! Boasts 15" woofer with 1½-lb. ceramic magnet for astonishingly rich bass. 4" tweeter covers the midrange and highs with sparkling clarity. Anodized aluminum screen protects tweeter from damage. Response, 20-18,000 Hz. 45 watts peak. 8 ohms. 8" deep. Shpg. wt. per pair, 24 lbs. \$5 Monthly. 20 C 8230 X. Two for...40.95 One Speaker.....39.95



**\$74.70** \$5 monthly

### Electro-Voice 15TRXB

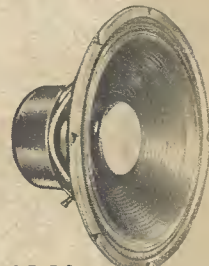
Quality 3-way design gives magnificent sound over the audio range. Giant 15" woofer has 1¾-lb. ceramic Indox magnet. Radax-type midrange cone. Wide-dispersion horn-type super-tweeter. Brilliance control. Capacity, 30-20,000 Hz. 60 watts peak. 16 ohms. 9" deep. 18 lbs. 20 C 8070 X.....74.70



**\$77.50** \$5 monthly

### Altec-Lansing 415C

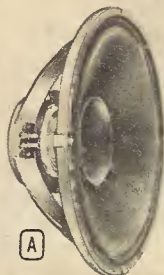
Fine value in a full-range 2-way 15" speaker. Employs exclusive "Biflex" multiple compliance for unusually wide frequency range. Cast-aluminum frame. 3" voice coil. Response, 25-14,000 Hz. Capacity, 25 watts. Impedance, 8 ohms. 7" deep. 19 lbs. 20 C 8211 X.....77.50



**\$39.95** \$5 monthly

### Utah D15PXC-HF

Low-cost way to custom-install a 3-way 15" speaker in your equipment. Woofer has 1½-lb. ceramic magnet and 1½" voice coil for powerful bass down to 30 Hz. Compression horn tweeter with 1.47-oz. Alnico V magnet for highs to 20,000 Hz. 45 watts peak. 8 ohms. 8" deep. 12¾ lbs. 20 C 8239 X.....39.95



**(A)**

**\$27.90**

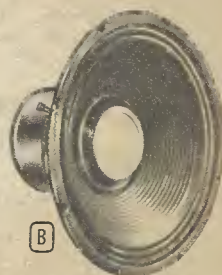
\$5 monthly

### (A) Electro-Voice LS-15

Here's a truly amazing value in a 15" 2-way speaker! Incorporates the famous "Wolverine" crossover and Radax propagator. 30-14,000 Hz. 20 watts. 8 ohms. 6½" deep. 20 C 8123 X. Wt., 11 lbs.....27.90

### (B) Lincoln L-155—Big Value

Three-way 15" hi-fi speaker at a sensational low price—excellent choice for budget stereo systems! Woofer has 1½" voice coil, 1¼-lb. magnet. Whizzer cone and HF tweeter. 25-18,000 Hz. 40-watts peak. 8 ohms. 8" deep. 20 C 8160 X. Wt., 10 lbs.....19.95



**(B)**

**\$19.95**

\$5 monthly



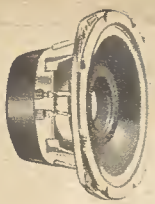
# Value-Packed 8" Hi-Fi Speakers



**\$42<sup>75</sup>** \$5  
monthly

## University 308

This 3-way speaker has powerful 8" woofer for rich bass down to 30 Hz. Diffusicon midrange and reciprocating flare horn for treble to 17,000 Hz. Capacity, 35 watts. Impedance, 8-16 ohms. 6<sup>1</sup>/<sub>8</sub>" deep. Wt., 7<sup>1</sup>/<sub>2</sub> lbs.  
20 C 8011. 42.75



**\$29<sup>25</sup>** \$5  
monthly

## University "Diff-8"

Popular University "Diffusicon-8" 2-way 8" speaker. Woofer reproduces bass down to 30 Hz. Diffusicon midrange/tweeter extends highs to 15,000 Hz. 35 watts. 8-16 ohms. 4<sup>3</sup>/<sub>16</sub>" deep. 5 lbs.  
20 C 8010. 29.25



**\$29<sup>00</sup>** \$5  
monthly

## New! Altec-Lansing 755E

Two-way "Biflex" speaker so slim it fits just about anywhere—depth is just 2<sup>1</sup>/<sub>4</sub>". Multiple concentric compliance suspension. 90° dispersion; 1<sup>1</sup>/<sub>2</sub>-lb. ceramic Indox V magnet. Frequency response, 40-15,000 Hz. 15 watts. 8 ohms. 7 lbs.  
20 C 8205. 29.00

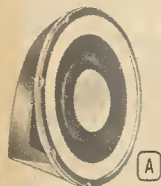


**\$11<sup>73</sup>** PER PAIR

## ALLIED EXCLUSIVE

### Utah D8LA 2-Way

Two 2-way 8" speakers at a special low Allied price Alnico V dual diameter magnet, plus treated cone edge and whizzer cone assure powerful bass, brilliant highs. 1<sup>1</sup>/<sub>4</sub>" voice coil. 40-16,000 Hz. 25 watts peak. 8 ohms. 4" deep. Shpg. wt., per pair, 8 lbs.  
20 C 8437. . . . . Two for 11.73  
One Speaker. . . . . 10.73



**\$19<sup>95</sup>** \$5  
monthly

## A Utah C8JC3-B Three-Way Speaker

Features die-cast asymmetric frame for rigid element alignment. 35-20,000 Hz. 15 watts. 8 ohms. 3<sup>3</sup>/<sub>16</sub>" deep.  
20 C 8242. 5<sup>1</sup>/<sub>4</sub> lbs. \$5 Monthly. . . . . 19.95



**\$18<sup>00</sup>**

## B Electro-Voice LS8 Two-Way Speaker

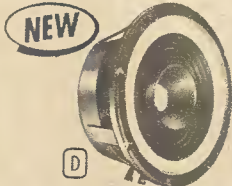
Mounts in ceiling, wall and thinline enclosures. Radax midrange HF cone. 40-14,000 Hz. 25 watts. 8 ohms. 3<sup>1</sup>/<sub>2</sub>" deep.  
20 C 8124. Wt., 5 lbs. 18.00



**\$20<sup>48</sup>** \$5  
monthly

## C Jensen SG-80 Two-Way Speaker

Dual-cone. 5/8-lb. magnet. 40-15,000 Hz. 15 watts. 8 ohms. 3<sup>5</sup>/<sub>8</sub>" deep.  
20 C 8388 X. Wt., 5 lbs. . . . . 20.48



**\$16<sup>95</sup>**

## D Utah HF8JXC-2 Two-Way Speaker

Dual cone for 32 to 19,000 Hz response. 30 watts peak. 8 ohms. 3<sup>5</sup>/<sub>8</sub>" deep.  
20 C 8206. Wt., 4<sup>3</sup>/<sub>4</sub> lbs. . . . . 16.95  
20 C 8207. HF8JXC-3 3-Way 8". With tweeter. 32-20,000 Hz. 5 lbs. . . . . 24.95

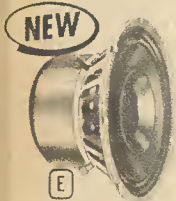
## SPECIAL PURCHASE

### University 201 Two-Way

Sensational low Allied price for this speaker. Heavy-duty woofer and treble cones, mounted between highly-compliant suspensions, develop free-piston excursions for full 50-20,000 Hz frequency response. Capacity, 30 watts peak. 8 ohms. 3<sup>5</sup>/<sub>8</sub>" deep. Shpg. wt., 3 lbs.  
20 C 8064. . . . . 12.50



**\$12<sup>50</sup>**



**\$15<sup>95</sup>**

## E New! Utah D8PA 2-Way Speaker

Expert craftsmanship. Brilliantly covers sound spectrum from 35 to 13,000 Hz. 37 watts peak. 8 ohms. 5" deep.  
20 C 8241. Wt., 5 lbs. . . . . 15.95



**\$15<sup>75</sup>**

## F Jensen DL80 Two-Way Speaker

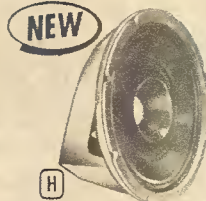
Low-cost dual-cone high-fidelity speaker. 8" woofer; radiator cone. 45-15,000 Hz. 15 watts. 8 ohms. 3<sup>3</sup>/<sub>8</sub>" deep.  
20 C 8389. Wt., 4 lbs. . . . . 15.75



**\$12<sup>60</sup>**

## G Electro-Voice MC8 2-Way Speaker

Woofer has ceramic magnet structure. Radax midrange and HF cone. 50-13,000 Hz. 12 watts. 8 ohms. 3<sup>3</sup>/<sub>16</sub>" deep.  
20 C 8472. Wt., 5 lbs. . . . . 12.60



**\$12<sup>95</sup>**

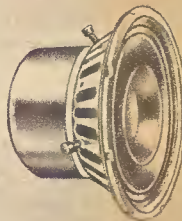
## H New! Utah C8HC-2 Two-Way Speaker

Low cost speaker with quality features throughout. Response, 45-18,000 Hz. 24 watts peak. 8 ohms. 3<sup>3</sup>/<sub>16</sub>" deep.  
20 C 8208. Wt., 4<sup>3</sup>/<sub>4</sub> lbs. . . . . 12.95

**\$8<sup>95</sup>**

### Lincoln L-103 Two-Way

Here's value-plus for your speaker dollar! Treated whizzer cone for crystal-clear reproduction of midrange and high frequencies. Powerful, dual-diameter magnet is equivalent to 2<sup>1</sup>/<sub>2</sub>-oz. Alnico V magnet. 1<sup>1</sup>/<sub>2</sub>" voice coil. Response, 35-14,000 Hz. 20 watts. 8 ohms. 5" deep. 5 lbs.  
20 C 8441. . . . . 8.95



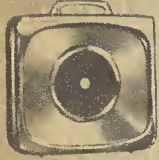
# Outdoor Speakers, Hi-Fi Speakers, Accessories



## Outdoor Hi-Fi Speakers

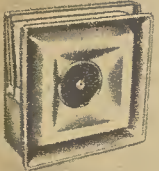
### UTAH HFOD-8A Patio Speaker

Two-way 8" speaker in weatherproof drawn steel green cabinet. Volume control. Response: 35-18,000 Hz. Capacity: 15 watts. 8 ohms. With 2' cable. 10<sup>7</sup>/<sub>8</sub>x10<sup>7</sup>/<sub>8</sub>x5<sup>7</sup>/<sub>8</sub>".  
20 C 8448 X. Wt., 7 lbs. .... 12.95



### ELECTRO-VOICE Sonocaster I

Lightweight, rugged and weatherproof for extension or portable use. Radax coaxial 8" speaker. Molded black housing. 70-13,000 Hz. 30 watts peak. 8 ohms. 16<sup>3</sup>/<sub>4</sub>x17x5<sup>7</sup>/<sub>8</sub>".  
20 C 7237 X. 7 lbs. \$5 Mo. .... 22.50



### ELECTRO-VOICE Musicaster I

Weatherproofed 8" dual horn-loading Radax speaker. Die-cast aluminum frame. 60-13,000 Hz. 60 watts peak. 8 ohms. 21<sup>1</sup>/<sub>2</sub>x21<sup>1</sup>/<sub>2</sub>x8<sup>1</sup>/<sub>2</sub>".  
20 C 8432 U. 36 lbs. \$5 Mo. .... 72.00  
20 C 8431 U. Musicaster II. Above; VHF driver. 18,000 Hz. 38 lbs. .... 90.00



## Acoustic-Suspension Models

### UTAH CS4JFC 4" Full Range

Cloth-roll acoustic-suspension speaker performs like a much larger model. 1<sup>3</sup>/<sub>4</sub>-lb. magnet structure; 3/4" voice coil. 70-17,000 Hz. 18 watts peak. 8 ohms. 2<sup>1</sup>/<sub>8</sub>" deep.  
20 C 8163. Wt., 2<sup>1</sup>/<sub>4</sub> lbs. .... 6.90



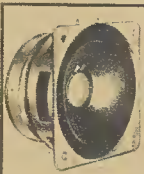
### UTAH CS6JCW 6" Full Range

Acoustic-suspension 2-way 6" speaker features compact size, big sound. 10-oz. barium-ferrite magnet. Response, 50-17,000 Hz. Capacity, 25 watts peak. 8 ohms. 2<sup>5</sup>/<sub>8</sub>" deep.  
20 C 8222. Wt., 2<sup>1</sup>/<sub>2</sub> lbs. .... 7.90



### UTAH CS8JCW 8" Full Range

Acoustic-suspension 2-way 8" speaker has truly amazing response for its size. Coaxial high-frequency cone; cloth-roll suspension. Response, 30-20,000 Hz. Capacity, 30 watts peak. 8 ohms. 3" deep.  
20 C 8223. Wt., 3 lbs. .... 8.90

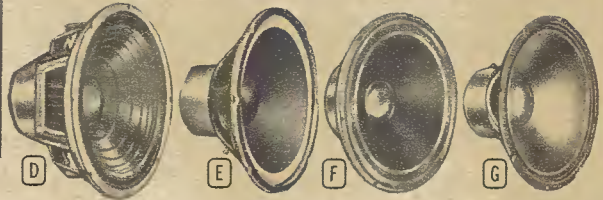


\$1336

### ALTEC 405A 4" Mini-Speaker

Full-range speaker for high-fidelity systems. 60-15,000 Hz. 10 watts. 8 ohms. 2<sup>1</sup>/<sub>8</sub>" deep.  
20 C 8065. Wt., 3 lbs. .... 13.36

## Selected 15" and 12" Woofers



## ALTEC Low-Frequency Speakers



\$4995



\$4860



\$5670

- A** Altec 406B 10" Woofer. Lightweight cast aluminum frame. 9-lb. 7-oz. magnet structure. Exceptional response in small enclosure. 25-4500 Hz. 25 watts. 8 ohms. 5<sup>1</sup>/<sub>4</sub>" deep. 20 C 8214 U. Shpg. wt., 16 lbs. \$5 Monthly. .... 49.95
- B** Altec 414A 12" Woofer. 9-lb. 7-oz. magnet structure. 3" edge-wound voice coil; cast aluminum frame. Response, 30-4000 Hz. 25 watts. 16 ohms. 5<sup>5</sup>/<sub>8</sub>" deep. 20 C 8216 U. Shpg. wt., 16 lbs. \$5 Monthly. .... 48.60
- C** Altec 416A 15" Woofer. 10-lb. 8-oz. magnet structure. 3" edge-wound copper ribbon voice coil. Cast aluminum frame. 20-1600 Hz. 30 watts. 16 ohms. 7" deep. 20 C 8221 U. Shpg. wt., 19 lbs. \$5 Monthly. .... 56.70



### LINCOLN L-104 Midrange-Tweeter

Exceptional Allied value! 1-oz. Alnico V magnet. 5000 Hz crossover. 3500-16,000 Hz. 15 watts. 8 ohms. 1<sup>3</sup>/<sub>16</sub>" deep. 20 C 8442. Shpg. wt., 8 oz. .... 1.99



### EMPIRE 9000/MHX Acoustic Lens

First-quality tweeter with built-in cross-overs at 450, 5000 Hz. 450-20,000 Hz. 60 watts. 8 ohms. 10<sup>3</sup>/<sub>4</sub>x6<sup>1</sup>/<sub>4</sub>x3<sup>3</sup>/<sub>4</sub>".  
20 C 8450 X. 12 lbs. \$5 Monthly. .... 84.95

\$8955

\$9225

\$7995

\$1595

**D** University C15W 15". Has 14-lb. magnet structure; dual voice coil. 25-1500 Hz. 50 W. 4-20 ohms. 10<sup>1</sup>/<sub>2</sub>" deep. 20 C 8025 U. Shpg. wt., 27 lbs. \$5 Monthly. .... 89.55

University C15HC 15". (Not illus.) 10-lb. magnet structure; dual voice coil. 18-800 Hz. 60 W. 4-20 ohms. 8<sup>1</sup>/<sub>8</sub>" deep. 20 C 8026 U. Shpg. wt., 25 lbs. \$5 Monthly. .... 85.50

University C-12HC 12". (Not illus.) 8-lb. magnet structure; dual voice coil. 20-3000 Hz. 50 W. 4-20 ohms. 6<sup>7</sup>/<sub>8</sub>" deep. 20 C 8027 X. Shpg. wt., 14 lbs. \$5 Monthly. .... 48.60

**E** Jensen W15-LF 15". "Flexair" design with 3<sup>1</sup>/<sub>2</sub>-lb. magnet. 16-2000 Hz. 45 watts. 8 ohms. 8" deep. 20 C 8301 X. Shpg. wt., 15<sup>1</sup>/<sub>2</sub> lbs. \$5 Monthly. .... 92.25

Jensen W12NF 12". (Not illus.) "Flexair" suspension; 1<sup>3</sup>/<sub>4</sub>-lb. magnet. 20-2000 Hz. 35 watts. 8 ohms. 7<sup>1</sup>/<sub>2</sub>" deep. 20 C 8300 X. Shpg. wt., 9<sup>1</sup>/<sub>4</sub> lbs. \$5 Monthly. .... 52.65

**F** Empire 9000-15W 15". 18-lb. magnet structure; 4" voice coil. 20-1000 Hz. 75 watts. 8 ohms. 6" deep. 20 C 8452 U. Shpg. wt., 25 lbs. \$5 Monthly. .... 79.95

Empire 8000-12W 12". (Not illus.) 18-lb. magnet structure; 4" voice coil. 25-1000 Hz. 60 W. 8 ohms. 3<sup>1</sup>/<sub>2</sub>" deep. 20 C 8451 U. Shpg. wt., 21 lbs. \$5 Monthly. .... 66.95

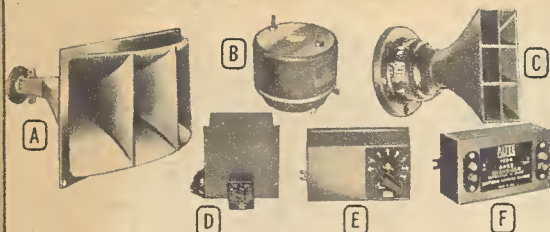
**G** Lincoln L-109 15". 20-oz.-equiv. dual-diameter magnet; 1<sup>1</sup>/<sub>2</sub>" voice coil. 24-4500 Hz. 30 W. 8 ohms. 7<sup>7</sup>/<sub>8</sub>" deep. 20 C 8445 X. Shpg. wt., 9 lbs. .... 15.95

Lincoln L-112 12". (Not illus.) 20-oz.-equiv. magnet; 1<sup>1</sup>/<sub>2</sub>" voice coil. 30-4000 Hz. 25 watts. 8 ohms. 6<sup>1</sup>/<sub>4</sub>" deep. 20 C 8444 X. Shpg. wt., 7<sup>1</sup>/<sub>2</sub> lbs. .... 12.95



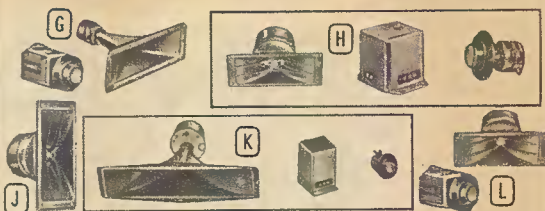
# Speaker System Components and Accessories

## ALTEC "Voice of the Theater" Components



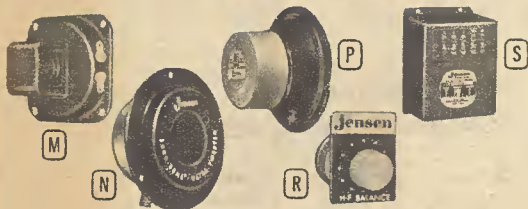
- A** Altec-Lansing 511B H.F. Sectoral Horn. 500 Hz to beyond audio range. 90°x40° dispersion. 18½" deep. 20 C 8234 U. Shpg. wt., 18 lbs. \$5 Monthly..... 37.50
- B** Altec-Lonsing 802D H.F. Driver. 500-22,000 Hz. Couples to 511B horn. 30 W. 16 ohms. 3½" deep. 20 C 8233. Shpg. wt., 9 lbs. \$5 Monthly..... 67.50
- C** Altec-Lonsing 3000H H.F. Speaker. Multicell horn, driver. 3000-22,000 Hz. 20 W. 8 ohms. 4¾" deep. 20 C 8237. Shpg. wt., 2 lbs. \$5 Monthly..... 35.10
- D** Altec-Lonsing N-500G Crossover. Two-section crossover for 802D driver divides at 500 Hz. 16 ohms. 20 C 8236. Shpg. wt., 9 lbs. \$5 Monthly..... 47.25
- E** Altec-Lonsing N-3000E Crossover. 3000 Hz crossover for 406B or 414A woofer and 300H tweeter. 8 ohms. 20 C 8238. Shpg. wt., 2 lbs. .... 16.20
- F** Altec-Lansing 100A 8oss Energizer. Boost low-end bass 6 dB. Begins at 150 Hz, optimum at 50 Hz. 20 C 8218. Shpg. wt., 1 lb. \$5 Monthly..... 22.50

## ELECTRO-VOICE Speaker Accessories



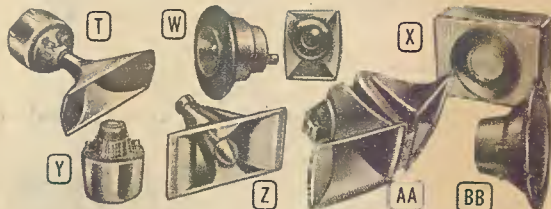
- G** Electro-Voice HF-1 Tweeter Pockage. Wide-angle tweeter; 3500 Hz crossover; level control; wiring. 3500 Hz to beyond audio range. 25 watts. 8 ohms. 20 C 8128. Shpg. wt., 3 lbs. \$5 Monthly..... 26.10
- H** E-V 8B-1 Deluxe Tweeter Pockage. T35 tweeter; X36 crossover; AT37 control. 3500-20,000 Hz. 40 watts. Impedance, 16 ohms. 20 C 9113. Shpg. wt., 6 lbs. \$5 Monthly..... 42.30
- J** E-V T-35 Tweeter. Response: 3500 to 20,000 Hz. Capacity, 40 watts. Impedance, 16 ohms. 20 C 8142. Shpg. wt., 3 lbs. \$5 Monthly..... 28.80
- K** Electro-Voice 8B-4 Pockage. Complete with: T25A driver; 8HD diffraction horn; X8 crossover; AT37 control; wiring. 80-3500 Hz. 40 watts. 16 ohms. 20 C 8114 X. Shpg. wt., 16 lbs. \$5 Monthly..... 97.20
- L** Electro-Voice MF1 Midrange Speaker Pockage. Includes: MR-10 treble driver; CR-10 crossover; level control; wiring. 1000-3500 Hz. 20 W. 8 ohms. 20 C 8129 X. Shpg. wt., 5 lbs. \$5 Monthly..... 27.90

## JENSEN Speaker Accessories



- M** Jensen Model TP35-V Direct Radiating Tweeter. Engineered with 3½" diaphragm. Frequency response, 2000 Hz to 16,000 Hz. Power handling capacity, 25 watts. Impedance, 8 ohms. Shpg. wt., ¾ lbs. 20 C 8302..... 5.85
- N** Jensen Model TE-40 Sono-Dome® Ultra-Tweeter. For use in 3- or 4-way systems above 4000 Hz response. Full frequency response, 4000 Hz to 25,000 Hz. Power handling capacity, 35 watts. Impedance, 8 ohms. 20 C 8303. Shpg. wt., 1½ lbs. \$5 Monthly..... 26.96
- P** Jensen Model MC8-R Direct Radiator 8-inch Mid-Frequency Unit. Closed back permits use in woofer enclosures without danger of losing fidelity. Frequency response, 600 Hz to 4000 Hz. Power handling capacity, 40 watts. Impedance, 8 ohms. Shpg. wt., 4 lbs. 20 C 8304. \$5 Monthly..... 20.93
- R** Jensen Model BCL-2 Two-Deck L-Pod. Wirewound with knob and escutcheon. For mid- and high-frequency balance adjustments in multi-way speaker systems. Power handling capacity, 45 watts. Impedance, 8 ohms. 20 C 8307. Shpg. wt., ½ lb..... 8.06
- S** Jensen Model A6410/8 Crossover Network. For use in 3- or 4-way speaker systems. Crossover frequencies at 600 Hz, 4000 Hz, and optional 10,000 Hz. Power handling capacity, 1000 watts. Impedance, 8 ohms. Shpg. wt., 7 lbs. 20 C 8306. \$5 Monthly..... 40.05

## UNIVERSITY Speaker Accessories



- T** 20 C 8051. HF-206 Tweeter. 2500 Hz to beyond audio range. For 3-way systems, use N-1 Filter, below. Capacity: 50 watts. 8 ohms. 6x3¼x6¾". Wt., 3½ lbs. \$5 Monthly..... 35.55
- W** 20 C 8283. MS Supertweeter. 3000-40,000 Hz. Crossover, brilliance control. 30 watts. 8 ohms. 3½x3¼x1½". 1 lb. 16.89
- X** 20 C 8060. T-203W Sphericon Tweeter. 3000-40,000 Hz. Crossover, brilliance control. Capacity: 30 watts. 8 ohms. Walnut case. 6¾x5¼x2¾". 3 lbs. \$5 Monthly 24.30
- 20 C 8061. T-202 Tweeter. Above, less case. 4½x4". Shpg. wt., 2½ lbs. \$5 Monthly..... 24.30
- 20 C 8053. N-1 Adjustable High-Pass Filter. (Not illus.) 4-16 ohms. 2500, 5000, 10,000 Hz xover. 3½x3¼x3". 2 lbs. 13.50
- AP-8 Level Control. (Not illus.) For 8-16 ohm systems. 20 C 8055. Shpg. wt., 7 oz..... 3.78
- Y** 20 C 8049. T-30 Midrange/HF Driver. For H-600 or Cobreflex horns. 350 Hz to beyond audibility. 50 watts. 8 ohms. 1¾"-18 throat. 3½x3¾". Wt., 2¾ lbs. \$5 Monthly. 30.06
- Z** 20 C 8050. H-600 Midrange/HF Horn. Midrange down to 600 Hz. 7¾x8¾x4¾". Wt., 2 lbs. \$5 Monthly..... 21.42
- AA** 12 C 7566 X. Cobreflex Twin-Flore Horn. Midrange down to 200 Hz. 1¾"-18 throat. 10¼x18½x9¼". Use with T-30 above. Shpg. wt., 10¼ lbs. \$5 Monthly..... 27.60
- BB** 20-8048. C-8M 8" Midrange Speaker. 500-5000 Hz. 50 watts. Impedance: 8 ohms. Shpg. wt., 3½ lbs.... 16.38

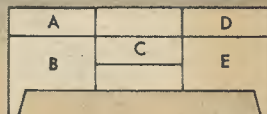
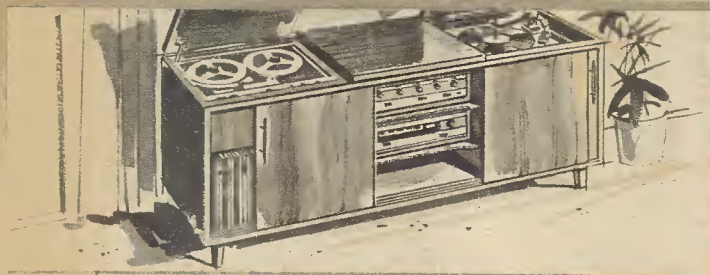
Use Your Allied Credit Fund to Get the Speakers You Want Now

ALLIED 95

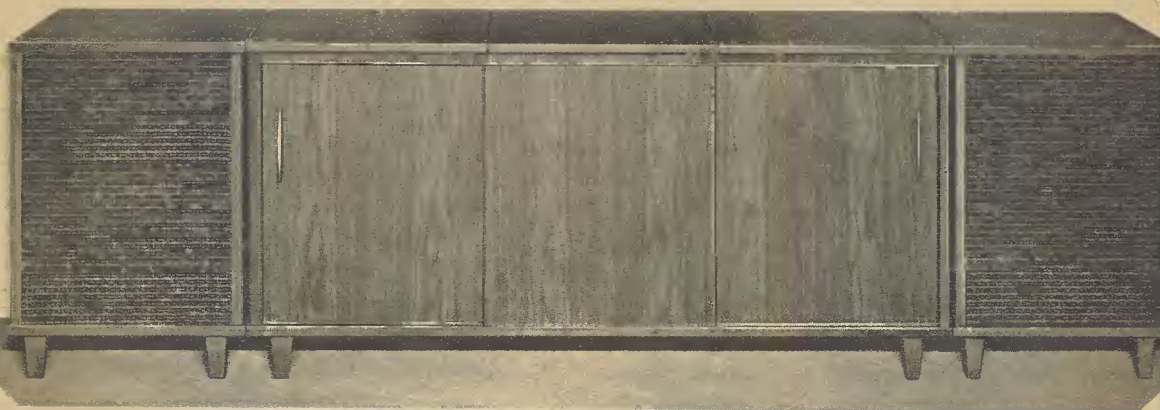


# Distinctively-Styled Hi-Fi Furniture.

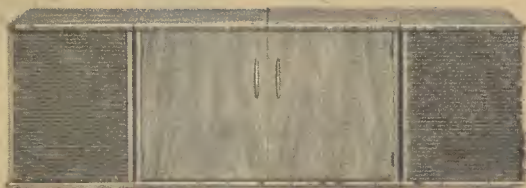
EXPERTLY CRAFTED CABINETS IN A MODERN MOTIF



All sections are 17 1/4" wide. A and D: 9" high (6" above board, 3" below), 14 1/4" deep. B and E: 12 3/4" high, 15 3/4" deep. C is 21 3/4" high, 15 3/4" deep with adj. shelves.



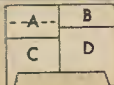
## Smart Allied Ensemble—Kit or Assembled



Three-Piece Ensemble Kit

**\$154<sup>85</sup>**

\$8 monthly



All 17 1/4" w. A, C: 21 3/4" h. 16 1/4" d. with adj. shelves. B: 9" h. (6" above board, 3" below), 14 1/4" d. D: 12 3/4" h. 16 1/4" d.

Two-Section Equipment Cabinet Kit

**\$79<sup>95</sup>**

\$5 monthly

Allied 3-piece ensemble or 1510 two-section equipment cabinet and 1511 speaker enclosures separately. Kits assemble with screwdriver, come with oil for walnut finish. 3/4" construction. Cabinet, 27 1/4"x38 1/2"x17 1/4". Enclosure, 27 1/4"x18 1/4"x17 1/4". Precut for 15", with 12" speaker adapter. Assembled, oiled walnut finish.

Item	Wt., Lbs.	Kit Ready-to-Finish		Assembled, Finished	
		Stock No.	EACH	Stock No.	EACH
Ensemble Cabinet	209	20 C 9363 L3ZF	154.85	20 C 9364 L3ZF	204.85
Enclosure	98	20 C 9356 ZF	79.95	20 C 9360 ZF	109.95
	55	20 C 9357 ZF	39.95	20 C 9361 ZF	49.95

20 C 9461 XF Custom Mount Panel. Wt., 4 lbs. . . . . 2.95

## Allied Ensemble with Extra-Spacious Cabinet in Kit or Assembled Form

3-Piece Ensemble Kit

**\$179<sup>85</sup>**

\$9 monthly

Three-Section Equipment Cabinet Kit

**\$109<sup>95</sup>**

\$6 monthly

Luxurious ensemble features the Allied 1580 three-section equipment cabinet and Allied 1511 speaker enclosures. Separate compartments for turntable and recorder have lift-lids. Removable motor boards. Bass-reflex speaker enclosures have ducted ports for enhancing bass. Baffles precut for 15" speakers; adapters for 12" speakers also included. Brown grille cloth. 3/4" construction. Oiled walnut veneer.

Equipment cabinet, 27 1/4"x57 1/2"x17 1/4". Each speaker enclosure, 27 1/4"x18 1/4"x17 1/4". Kits have pre-drilled holes; assemble quickly and easily with just a screwdriver. Sanded, ready for application of quick-drying walnut finishing oil, included. With instructions. Assembled cabinets finished in oiled walnut. Shipping information below.

Item	Wt., Lbs.	Kit Ready-to-Finish		Assembled, Finished	
		Stock No.	EACH	Stock No.	EACH
Ensemble	245	20 C 9366 L3ZF	179.85	20 C 9367 L3ZF	249.85
Cabinet	135	20 C 9358 ZF	109.95	20 C 9362 ZF	159.95
Enclosure	55	20 C 9357 ZF	39.95	20 C 9361 ZF	49.95

20 C 9460 XF. Custom Mount Panel. 4 lbs. . . . . 2.95

### SHIPPING INFORMATION

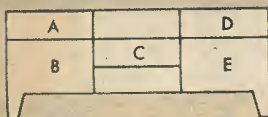
Furniture is shipped by truck or express from Stevens Point, Wisconsin (shipping charges collected by carrier on delivery). Allow 30 days for kits, 45 days for assembled units. Sorry, no C.O.D. orders.



# Designed for Any Component System



PROVIDE EXCELLENT ACOUSTICS FOR YOUR HI-FI



All sections are 17 3/4" wide. A and D: 9" high (6" above board, 3" below), 14 1/2" deep. B and E: 12 3/4" high, 15 1/4" deep. C is 21 3/4" high, 14 1/4" deep.



## Allied 3-Piece Contemporary Top Load Ensemble in Kit or Assembled Form

Three-Piece Ensemble Kit

**\$214<sup>85</sup>**

\$11 monthly

Three-Section Equipment Cabinet Kit

**\$129<sup>95</sup>**

\$7 monthly

Handsomely-styled ensemble enhances your room decor while the special design provides excellent acoustics for your hi-fi speakers. Easily accessible separate recorder and turntable compartments beneath lift-top lid. Removable motor boards. Bass-reflex speaker enclosures. Baffles precut for 15" speakers; adapters for 12" speakers included. Storage space for 200 LP's, with record support wires. Fully enclosed base. 3/4" walnut veneer.

Allied 1505 equipment cabinet, 26 1/4 x 57 5/8 x 18 1/4". Allied 1507 speaker enclosures, each 26 1/4 x 18 1/4 x 18 1/4". All you need is a screwdriver to assemble kits. Pre-drilled holes, sanded, ready-to-finish with quick-drying walnut finishing oil, included. Complete with custom mounting panels. Instructions. Shipping information below. Assembled cabinets finished in oiled walnut.

Item	Wt., Lbs.	Kit, Ready-to-Finish		Assembled, Finished	
		Stock No.	EACH	Stock No.	EACH
Ensemble	262	20 C 9309 L3ZF	214.85	20 C 9314 L3ZF	304.85
Cabinet	146	20 C 9306 ZF	129.95	20 C 9311 ZF	199.95
Enclosure	58	20 C 9308 ZF	49.95	20 C 9313 ZF	59.95

### SHIPPING INFORMATION

Furniture is shipped by truck or express from Stevens Point, Wisconsin (shipping charges collected by carrier on delivery). Allow 30 days for kits, 45 days for assembled units. Sorry, no C.O.D. orders.

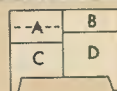
## New Allied 3-Piece Hi-Fi Ensemble



3-Piece Top Load Ensemble Kit

**\$189<sup>95</sup>**

\$10 monthly



All 17 3/4" Wide A, C: 21 3/4" high, 14 1/4" deep. B: 9" high, (6" above board, 3" below) 14 1/4" deep. D: 12 3/4" high, 15 1/4" deep.

Two-Section Equipment Cabinet Kit

**\$99<sup>95</sup>**

\$5 monthly

Allied 3-piece top loading ensemble or 1506 two-section equipment cabinet and 1507 speaker enclosures separately. Kit or assembled. 3/4" construction. Stores 100 LP's. Cabinet 26 1/4 x 39 x 18 1/4". Enclosure, 26 1/4 x 18 1/4 x 18 1/4". Precut for 15" speaker, with 12" adapter. Assembled, oiled walnut finish.

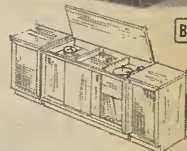
Item	Wt., Lbs.	Kit, Ready-to-Finish		Assembled, Finished	
		Stock No.	EACH	Stock No.	EACH
Ensemble	218	20 C 9310 L3ZF	189.85	20 C 9315 L3ZF	259.85
Cabinet	102	20 C 9307 ZF	99.95	20 C 9312 ZF	149.95
Enclosure	58	20 C 9308 ZF	49.95	20 C 9313 ZF	59.95

Buy Hi-Fi Furniture, Components Too, with Allied's Credit Fund Plan

ALLIED 97



# Custom-Crafted Furniture for Your Hi-Fi



Smart, Modern Styling with Beautiful Finishes plus Ample Space for all System Components

Choose from Factory Assembled Models or Money-Saving Kits



## A Barzilay "Design Five" 3-Piece Ensemble

Kit Farm **\$259<sup>95</sup>**  
\$13 monthly

Contemporary Styling with Tambour Door in a Smart Ensemble

Expertly crafted ensemble in ready-to-finish kit-form with finishing kit supplied, or factory-assembled with walnut veneer. Cabinet, 48" w. Record player drawer, 20" w., 15" d. Amplifier/tuner section, 20" w., 24 1/2" h. Enclosures for up to 15" speakers, have panel for tunable ducted-port, deluxe grille, are 29x24x18". Equipment cabinet, 29x48x18". Shpd. from California, see note below.

20 C 9005 L2ZF. Ensemble Kit, 265 lbs. \$18 Monthly. 259.95

20 C 9006 L2ZF. 700E Assembled Ensemble. 265 lbs. 359.50

20 C 9007 ZF. K71 Eqpt. Cabinet Kit, 110 lbs. 159.95

20 C 9010 ZF. 761 Eqpt. Cabinet, Assembled, 135 lbs. 199.50

20 C 9008 ZF. K72 Spkr. Encl. Kits, 160 lbs. Pair 114.95

## B Barzilay "Design One"/b Deluxe Ensemble

Kit Farm **\$279<sup>95</sup>**  
\$14 monthly

Grain-Matched American Black Walnut, Hand-Rubbed Oiled Finish Finely Crafted for Lasting Beauty

Full-width lift top. Top center, 18 1/4" wide, 15 1/2" deep. Top left and right, 18 3/4" w., 23" h. Lower left and right 18 3/4" w., 13" h., center, 18 1/4" w., 21 1/4" h. Overall cabinet, 28 3/4" x 58 1/2" x 18 1/2". Tunable ducted-port enclosures for 12" or 15" speakers. Each, 28 3/4" x 22 x 18 1/2". Kits in ready-to-finish form with finishing kit supplied. Shpd. from Calif., see Shpg. Note below. Ensemble wt., 280 lbs.

20 C 9151 L2ZF. 3-Pc. Ensemble Kit, \$14 Monthly. 279.95

20 C 9152 L2ZF. 3-Pc. 100E/b Assembled Ensemble 399.95

20 C 9153 ZF. K61/b Eqpt. Cabinet Kit, 160 lbs. 167.95

20 C 9155 ZF. 161/b Assembled Eqpt. Cabinet. 249.95

20 C 9154 ZF. K62/b Spkr. End. Kits, 120 lbs. Pair 114.95



Stores Over 100 LP's

## Rockford 3-Piece Contemporary Ensemble

Factory Assembled **\$308<sup>50</sup>**  
\$15 monthly

Simple Lines— Handsome Styling for Any Decor

Sliding doors and lift-top. Overall 29 1/4" x 41 x 19 3/8". Sections are 19 1/8" x 16 3/8". Left shelves adj. Upper left section for tape deck or amp/tuner. Phono section at upper right, stores over 100 LP's below. Oiled walnut finish. Baffled and ported enclosures each 29 1/4" x 19 1/4" x 19 3/8"; up to 15" spkrs.; 1" fiber-glass lined. Shpd. from Rockford, Ill., see Shpg. Note below. Ensemble wt., 234 lbs.

20 C 9025 L3ZF. 3-Pc. Ensemble. \$15 Monthly. 308.50

20 C 9026 ZF. 220 Eqpt. Cabinet, 112 lbs. 189.50

20 C 9027 ZF. 280 Spkr. Enclosure, 61 lbs. Each 77.50



NEW Stores Over 200 LP's

## Gamber-Johnson 3-Piece 3-Section Ensemble

Factory Assembled **\$319<sup>85</sup>**  
\$16 monthly

Designed with Custom Mounting Panels for Complete Versatility

Oiled walnut veneer. Front and top access to center section, 14 3/4" x 18 3/4" x 14" with adj. height. Top access to recorder and turntable sections, 9 x 17 3/4" x 14 3/4". 3-section storage area, below. Overall, 28 1/2" x 58 x 18 1/2". Enclosures, 28 1/2" x 20 1/4" x 18 1/2", for 12" or 15" spkr. Shpd. from Stevens Point, Wisc. Ensemble wt., 215 lbs.

20 C 9047 L3ZF. 3-Pc. Ensemble. \$16 Monthly. 319.85

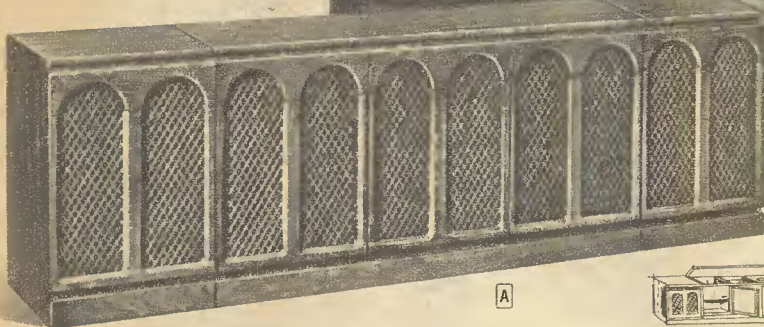
20 C 9048 ZF. GJ934 Eqpt. Cab. 3 section, 135 lbs. 189.95

20 C 9049 ZF. GJ932 Spkr. Encl. 40 lbs. Each 64.95

20 C 9059 ZF. GJ931 Eqpt. Cab. 2 section, 94 lbs. 139.95



# Styled to Complement Your Decor



Easy Compant Access,  
Ample Record Storage



Fully Assembled Furniture  
in Expensive Waad Finishes

## A Barzilay 300E Mediterranean 3-Pc. Ensemble

**\$499<sup>50</sup>**

\$21 monthly

Luxurious Mediterranean Styling,  
Hand-Made Wood Grille Bound  
by Solid Oak or Walnut Arches

Superbly crafted 3-piece ensemble in luxurious Mediterranean styling. Features hand-made wood grille, bound by graceful arches of solid oak or walnut. Equipment cabinet offers lift-top access to turntable, tape deck and amplifier/tuner sections: 17" deep, 18 $\frac{3}{4}$ " wide (18 $\frac{3}{4}$ " in center). Storage space below. Ensemble, 29x96x20" deep, Bass-reflex enclosures 29x19 $\frac{1}{2}$ x20" deep, take 15" or 12" speakers. Specify—oiled walnut; tawny, fruitwood; or antique oak. *Shpd. from Calif., see Note.*

20 C 9018 CL2ZF. 3-Piece Ensemble. 296 lbs. . . . . 499.50  
20 C 9019 CZF. 3061 Equipment Cabinet. 171 lbs. . . . . 279.50

## B Rockford 3-Piece Mediterranean Ensemble

**\$388<sup>50</sup>**

\$18 monthly

Styled in Genuine Oak  
with Rich Open-Grain  
Satin Lacquer Finish

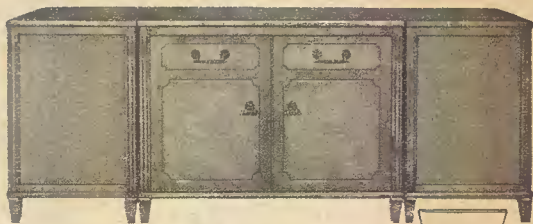
Elegantly styled 3-piece Mediterranean ensemble in beautifully finished genuine oak. Double-hinged folding doors have decorator styled door pulls, magnetic latches. Full lift top. Upper left, 19x16 $\frac{1}{4}$ ", adj. height. Upper right, 6 $\frac{1}{2}$ x19x16 $\frac{1}{4}$ ". Storage space below. 920 cabinet overall, 30 $\frac{1}{2}$ x45x21". 980 speaker enclosure, 30 $\frac{1}{2}$ x23 $\frac{1}{2}$ x21". Takes up to 15" speaker, with 12" adapter. *Shipped from Rockford Ill., see Shpg. Note below.* 239 lbs.

20 C 9104 L3ZF. 3-Pc. Ensemble. \$18 Monthly. . . . . 388.50  
20 C 9105 ZF. 920 Cabinet Alone. 125 lbs. . . . . 237.50  
20 C 9106 ZF. 980 Speaker Enclosures. 57 lbs. . . . . Ea. 97.50



NEW

Full Lift Top—Storage  
Space far Over 200 LP's



3-Piece Ensemble with  
2-Section Cabinet



## Gamber-Johnson Early American Ensemble

**\$359<sup>85</sup>**

\$17 monthly

Charming Colonial Styling,  
Genuine Hardwood Veneer,  
Harvest Maple Finish

Model 924 cabinet overall, 27 $\frac{1}{2}$ x59x18 $\frac{5}{8}$ ". Center, 14 $\frac{1}{4}$ x18 $\frac{3}{4}$ x14". Sides, 9x17 $\frac{5}{8}$ x14 $\frac{3}{4}$ ". Record storage below. Model 922 enclosures (for 12" or 15" speakers), 27 $\frac{1}{2}$ x20 $\frac{5}{8}$ x18 $\frac{5}{8}$ ". *Shpd. from Stevens Point, Wis.* 238 lb.

20 C 9060 L2ZF. 3-Pc. Ensemble (3-Sec. Cab.) . . . . . 359.85  
20 C 9062 ZF. 924 3-Section Eqpt. Cab. 142 lbs. . . . . 209.95  
20 C 9071 ZF. 3-Pc. Ens. (2-Sec. Cab.) 201 lbs. . . . . 304.85  
20 C 9073 ZF. 921 2-Section Eqpt. Cab. 105 lbs. . . . . 154.95  
20 C 9063 ZF. 922 Speaker Enclosure. 48 lbs. . . . . Ea. 74.95

## Rockford Italian Provincial Ensemble

**\$328<sup>50</sup>**

\$16 monthly

"Custom-Look" Styling Captures  
the Elegance of the Period  
in a Warm Fruitwood Finish

Lift top, hinged doors with magnetic latches. Upper left, 19x16 $\frac{1}{4}$ x6 $\frac{1}{2}$ ", with adj. shelf, blank panel. Upper right, 19x16 $\frac{1}{4}$ x6 $\frac{1}{2}$ ". Storage space below. Matching speaker enclosures take up to 15" speaker. Baffled and ported, 1" acoustical fiber glass lining. Cabinet, 41" w.; enclosures, 20" w.; all 19" dp. x 31" h. *Shpd. from Rockford, Ill.*

20 C 9034 L3ZF. Wt., 148 lbs. \$16 Monthly. . . . . 328.50  
20 C 9033 ZF. Model 320 Cabinet Alone. 104 lbs. . . . . 197.50  
20 C 9107 ZF. 380 Speaker Enclosures. 56 lbs. . . . . Ea. 82.50

SHIPPING NOTE: All furniture shipped truck or express from factory. Allow at least 45 days for delivery. Sorry, No C.O.D.

ALLIED 99

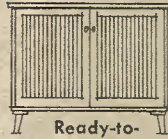


# Smart Hi-Fi Cabinets at Low Allied Prices

## Equipment/Record Cabinet

**\$23<sup>95</sup>** less components

\$5 monthly



Ready-to-Finish



**\$9<sup>95</sup>**

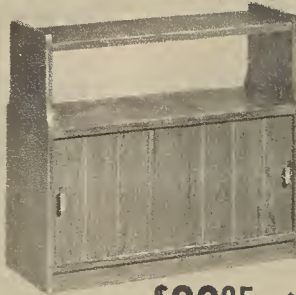
Contemporary Record Cabinet. Smart all-purpose cabinet blends well with nearly any modern decor. Offers generous storage space for records. Sturdy construction features stain and scar resistant walnut-like finish. Storage section has sliding doors, holds up to 150 LP's. Matching brass hardware. 25x30x16". Shipped knocked-down. Express. 20 C 9024 Z. Shpg. wt., 12 lbs. .... 9.95

3-Section Equipment Cabinet. High-quality Ponderosa pine equipment/record cabinet, sanded and ready for you to stain or paint. Save money, and finish it in the color of your own choice. Top compartments, each 9 1/4 x 17 x 15 7/8"; lower, 13 3/8 x 34 1/2 x 15 7/8". Overall size, 30 x 36 x 18" deep, including 6" legs. Shpg. wt., 43 lbs. Shipped express. 20 C 9143 Z. \$5 Monthly..... 23.95



**\$19<sup>95</sup>** \$5 monthly

Contemporary Record Cabinet. Handsomely styled. Four smooth-sliding doors conceal storage space holding up to 225 LP's. 3-brass-plated record dividers. Stain, scar-resistant walnut-like finish. 25x40x17 1/2". Shpg. knocked-down. Express. Shpg. wt., 24 lbs. 20 C 9023 Z. \$5 Monthly..... 19.95



**\$29<sup>95</sup>** \$5 monthly

New! Record Cabinet/Room Divider. Flush-with-floor 1-tier cabinet stores 225 LP's. 35 1/2 x 14 x 31" h. Beautifully styled with walnut grain finish. Use several together. \*48" h. †20" h. 20 C 9040 Z. 43 lbs. \$5 Monthly. 29.95 20 C 9042 Z. With 2 Tiers. \* 58 lbs. 34.95 20 C 9041 Z. Without Tier. † 30 lbs.. 24.95



**\$39<sup>95</sup>** \$5 monthly

Deluxe Contemporary Record Cabinet. Striking contemporary design will blend with almost any modern decor. Solid veneer construction with walnut-like finish. Mar-proof formica top is virtually indestructible. Stores 175 LP's. 25x27x18". Exp. 55 lbs. 20 C 9043 Z. \$5 Monthly..... 39.95

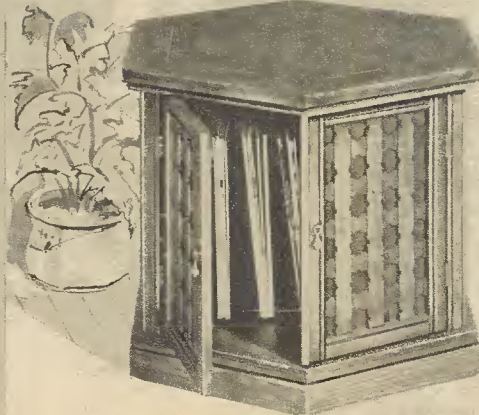


Adds a Touch of Elegance

**\$49<sup>95</sup>**

\$5 monthly

New! Mediterranean Record Cabinet. Carefully constructed of solid-oak veneer and superbly finished in rich pecan. Easily maintains a high lustre. Boasts two strikingly detailed doors with period matched hardware. Truly functional, it holds up to 200 LP's. Size, 25x28x16". Express. Shpg. wt., 50 lbs. 20 C 9044 Z. \$5 Monthly..... 49.95



## Record Cabinet

**\$59<sup>95</sup>** less records

\$5 monthly



Shown closed

Mediterranean Record Cabinet. Striking hexagonal cabinet with selected, pecan-finished oak veneers. 2 magnetic-latch doors. Storage space holds up to 200 long-playing records. Hand-woven lattice veneer on doors. antique finish hardware. Removable record rack. 21x28x24". 20 C 9021 Z. Express. Shpg. wt., 52 lbs. \$5 Monthly..... 59.95



# Quality Hi-Fi Stereo Headphones



## Most Popular ALLIED Stereo Headphones

- 16-16,000 Hz Response
- Separate Volume Controls
- Removable Ear Cushions

**\$1995**

\$5 monthly

Allied H876. Get full stereo realism without the need to sit in a fixed listening area. Individual volume/balance control for each ear assures stereo realism. Has dynamic driver elements to surround you with full-range stereo. Soft polyfoam ear cushions lockout room noise and let you listen with full comfort. Stainless steel headband adjusts to fit anyone. Cushion and headbands are removable and of easy to clean vinyl. Frequency response, 16-16,000 Hz. 3-16 ohm impedance matches any stereo amplifier. Brown and tan. 8-foot cord, standard 1/4" plug. Shpg. wt., 1 1/4 lbs.  
 20 C 9508. \$5 Monthly. . . . . 19.95



Volume Control on Each Earphone



## Lowest Priced ALLIED Stereo Headphones

- 30-15,000 Hz Response
- Foam Rubber Headband
- Removable Earcups

**\$1195**

Allied H878. Quality stereo headphones at a money-saving low price. Literally surround you with full-range stereophonic sound. Comfortable vinyl ear cups seal out nearly all room noises; easily removed for cleaning. Vinyl-covered foam rubber headband let you listen without any feeling of fatigue. Large 3 1/2" transducers in each earcup. Frequency response is 30-15,000 Hz. Impedance 3-16 ohms to match any stereo amplifier. Charcoal Gray color. 8 foot cord and standard 1/4" phone plug. Shpg. wt., 1 1/4 lbs.  
 20 C 9579. . . . . 11.95

## Finest ALLIED Stereo Headphones Ever

- 15-20,000 Hz Response
- Earseals Lock-Out Noise
- Stainless Steel Headband

**\$3450**

\$5 monthly

Allied H885. Superbly engineered to tailor sound to your individual pleasure. Separate tone and volume controls in each earpiece adjust for listening perfection—placing you in the center of the brilliant, multi-dimensional sound of stereo. Headset is designed with moving coil dynamic transducers to give a full frequency range of 15-20,000 Hz. Cushioned, stainless steel headband and polyvinyl chloride earseals assure a comfortable airtight fit. Impedance 8 ohms. Complete with 8-ft. cord and 1/4" plug. Shpg. wt., 2 lbs.  
 20 C 9580. \$5 Monthly. . . . . 34.50



Volume and Tone Controls for Each Earphone

**Extension/2-Headphone Cord**

Allied H881, extension cord and two-headphone adapter. Plugs into headphone jack of receiver or amplifier. Jacks for 2 stereo headphones. 20-foot cord. Shpg. wt., 1 1/2 lbs.  
 20 C 9581 . . . . . 7.95

**\$795**

## ALLIED H879 Remote-Control Stereo Headphone Unit



Use With or Without Speakers

**\$995**

Remote control unit lets you adjust volume of two headphones from your chair. 2 volume controls. 1/4" jacks. 2 3/4 x 4 x 2". Cable below.  
 20 C 9577. Wt., 1 lb. . . . . 9.95  
 55 C 7508. 5-Conductor Cable. Wt., 1/2 lb. . . . . 25-ft. Roll 1.60

Buy Your Hi-Fi Accessories on Allied's Credit Fund Plan

ALLIED 101

# Koss Hi-Fi Stereo Headphones



**\$49.00**

**\$5**  
monthly

**A**

## **A** Pro-4A "Stereophones"

Deluxe quality stereo headphones provide full-fidelity private listening. Dynamic transducer in each earpiece reproduces full-range sound. Soft fluid-filled earcushions and adjustable headband for maximum comfort. Shatterproof construction. 20-20,000 Hz. 4-16 ohms. 10-ft. coiled cord, standard plug. Shpg. wt., 2 lbs.  
20 C 8356. \$5 Monthly ..... 49.00  
20 C 8044. Pro-600A. As above, but 600 ohms. 2 lbs. \$5 Monthly ..... 53.90



**\$34.25**

**\$5**  
monthly

**B**

## **B** KO-727 "Stereophones"

Make stereo listening a personal experience with these fine stereo headphones. Accept up to 60 watts per channel from any normal program source. For any system with 4, 8 or 16 ohms output. Adjustable headband and foam-filled earcushions. Cushions remove for easy cleaning. Response, 40-15,000 Hz. High external noise cancellation. Distortion less than 1%. With 8-ft. coiled cord, plug, 2 lbs.  
20 C 8019. \$5 Monthly ..... 34.25



**NEW**

**\$26.00**

**\$5** monthly

**C**

## **C** New KG-6 "Stereophones"

Provide breathtaking full-dimensional sound with outstanding realism. Accept up to 60 watts per channel from any normal music program source. Padded headband and vinyl-covered foam-filled earcushions. Lightweight (only 15 oz.), lets you listen for hours in complete comfort. Earcushions are removable for easy cleaning. Frequency response, 10-15,000 Hz. Impedance, 4-16 ohms. 8-ft. cord, plug, 2 lbs.  
20 C 8358. \$5 Monthly ..... 26.00

**New Low**  
**Price**

**\$19.95**

**\$5** monthly



## **SP-3XC** "Stereophones"

Was \$24.45 in Last Year's Catalog. 3 1/2" dynamic element per earpiece. Foam-cushioned earcups. Rugged plastic headband. 20-16,000 Hz. 4-16 ohms. With 8' cord, plug, 2 lbs.  
20 C 8357. \$5 Monthly ..... 19.95  
SP-5SM. As above, but with lavalier-type stereo/mono switch. 20-15,000 Hz. Impedance, 4-8 ohms. 2 1/2 lbs.  
20 C 8030. \$5 Monthly ..... 19.95



**T-10 Control Box.** Control stereo headphones right from your chair. Accepts two pairs of phones; volume control for each phone, speaker cutoff switch. Walnut case, 6 1/4 x 4 5/8 x 2 5/8". 4-16 ohms.  
20 C 8045. \$5 Monthly. 2 lbs. .... 24.95

**T-5 Control Box.** (Not illus.) Volume control, speaker cutoff switch, 2 stereo/mono phone jacks, 4-16 ohms.  
20 C 8031. 5 1/8 x 3 1/8 x 2 1/8". 1 lb. .... 9.95

**T-1 Hookup Box.** (Not illus.) Match SP-3XC, SP-5SM above to 600-10K ohms.  
20 C 8032. 6 1/4 x 3 3/4 x 2". 8 oz. .... 7.95

## Famous Stereo Headphones for Every Purpose and Budget



**TELEX \$9.95**



**SONY \$17.50**



**SUPEREX \$29.35**



**TELEX \$39.95**



**SUPEREX \$49.95**

**D** New Telex "Encore." Fine quality and unusual versatility at a low price. Features completely adjustable headband that also can be worn under chin for extra convenience and comfort—avoids ruffled hairdos. Frequency response, 30-15,000 Hz. Impedance, 8 ohms. With 8-ft. cord and standard plug. Shpg. wt., 1 lb.  
20 C 8367 ..... 9.95

**E** Sony DR-3A. Offer you excellent stereo reproduction and realism at modest cost. Lightweight phones with special easy-wear earcushions and adjustable padded headband for extra comfort. Frequency response, 20-20,000 Hz. Impedance, 8 ohms. With cord, standard 1/4" plug. From Japan. Shpg. wt., 2 lbs.  
20 C 8024 ..... 17.50

**F** Suporex ST-M. Each earpiece has woofer, tweeter, crossover, level control for one channel. Adjustable headband, comfortable vinyl-covered foam cushions. 20-20,000 Hz. 4-16 ohms. With cord, plug.  
20 C 8420. 2 lbs. \$5 Monthly ..... 29.35  
20 C 8423. ST-M-2H. Above, but matches 200-15,000 ohms. 2 lbs. .... 35.00

**G** Telex "Serenata." Was \$59.95 in Last Year's Catalog. Save \$20.00 now. Tone control lets you tailor sound to your own personal taste. Liquid-filled earcushions with earcup pressure adjustment. Adjustable headband. Frequency response, 20-20,000 Hz. Impedance, 4-16 ohms. With padded vinyl carrying bag, 8-ft. detachable cord, plug. Shpg. wt., 2 1/2 lbs.  
20 C 8353. \$5 Monthly ..... 39.95

**H** New Suporex ST-PRO-B. Deluxe stereo headphones feature separate dynamic woofer and ceramic tweeter. Enjoy full-fidelity "concert hall" realism at any volume you choose without disturbing anyone around you. Woofer and tweeter are co-axially mounted to produce a compact, lightweight headset that literally surrounds you with a "you-are-there" performance.

Thick vinyl-covered foam earcushions block out external noise, can be removed for cleaning. Padded spring-steel headband is fully adjustable to provide exact fit for anyone. Frequency response, 18-22,000 Hz. Impedance, 4-16 ohms. Ready-to-use with 7-ft. cord, standard 1/4" plug and two cotton-knit earcushion covers.  
20 C 8359. \$5 Monthly. 2 lbs. .... 49.95



# New! Guitar, Amp Outfits—Save Up to \$30.00



## Complete Bass Guitar Outfit\*

- Solid-Body Bass Guitar
- 15-Watt† Solid-State Amp
- Top-Mounted Amp Controls

Save \$10.00

**\$99<sup>90</sup>**  
\$5 monthly

Separately \$109.90. Single-pickup solid-body bass guitar with adjustable maple neck, bridge. Rosewood fingerboard. Tortoise-shell plastic guard. Volume, tone controls. Red sunburst. 40 $\frac{1}{2}$ x14x1 $\frac{3}{4}$ ". 15-watt† solid-state amplifier has tone, volume controls, 3 inputs, one 8" speaker. 17x16x6". Shpg. wt., 24 lbs. From Japan.

10 C 0105. L2U. Outfit. \$5 Monthly.....	99.90
10 C 4632 U. Guitar Alone. Shpg. wt., 10 lbs.....	59.95
10 C 4601 U. Amplifier Alone. Wt., 14 lbs.....	49.95
10 C 4633 X. Guitar Case. Wt., 4 lbs.....	10.95

## 2-Pickup Solid-Body Guitar Outfit\*



Save \$15.00

**\$79<sup>90</sup>**  
\$5 monthly

- Torsion-Bar Tremolo
- Adjustable Neck
- Adjustable Bridge
- Solid-State Amplifier
- 10-Watt Output†
- Top-Mount Amplifier Controls

Separately \$94.90. Guitar with volume, tone controls; rosewood fingerboard; tortoise shell pick guard; steel-reinforced Canadian maple neck; 8-way bridge. 37 $\frac{1}{2}$ x13x1". 10-watt† solid-state amplifier with 8" speaker, 3 inputs, volume and tone controls. 15 $\frac{1}{8}$ x15 $\frac{1}{8}$ x7 $\frac{1}{2}$ ". Japan.

10 C 0102 L2U. Outfit. Wt., 22 lbs. \$5 Monthly.....	79.90
10 C 4724 U. Guitar Alone. Shpg. wt., 11 lbs.....	54.95
10 C 4725 U. Amplifier Alone. Shpg. wt., 10 lbs.....	39.95
10 C 4727 U. Guitar Case. Shpg. wt., 5 lbs.....	10.95



Save \$30.00

## 4-Pickup Guitar Outfit,\* Case, 10-W† Amplifier

**\$109<sup>90</sup>**  
\$6 monthly

- Solid-Body Guitar with Muffer, Bar Tremolo
- Solid-State Tremolo Amp

Separately \$139.90. Guitar with torsion-bar tremolo, adj. steel-reinforced neck. 8-way bridge, rosewood fingerboard, tortoise shell plastic guard. Vol., tone controls. Red sunburst. 40 $\frac{1}{2}$ x14x1 $\frac{3}{4}$ ". 10-watt† solid-state amplifier has 8" speaker; top-mounted speed, vol., tone, modulation controls; 2 tremolo, 1 mike inputs; foot switch jack. 7 $\frac{1}{2}$ x15 $\frac{1}{8}$ x15 $\frac{1}{8}$ ". Guitar case. Japan.

10 C 0101 L2U. Outfit. Wt., 30 lbs. \$6 Monthly....	109.90
10 C 4720 U. Guitar, Case, Accessories. 16 lbs.....	79.95
10 C 4722 U. Amplifier Alone. Wt., 12 lbs.....	59.95

## NEW Acoustic Electric Guitar Outfit,\* Case, 10-W† Amp

Save \$20.00

**\$89<sup>90</sup>** \$5 monthly

- 2-Pickup Tremolo Guitar
- Solid-State Amplifier

Separately, \$109.90. Hollow body electric guitar has 2 adjustable pickups, adjustable steel-reinforced laminated Canadian maple neck. 39x15x1 $\frac{1}{2}$ ". 10-watt† solid-state amplifier; 8" speaker; top-mounted volume and tone controls; 3 inputs. 15 $\frac{1}{8}$ x15 $\frac{1}{8}$ x7 $\frac{1}{2}$ ". Deluxe guitar case. Japan. 30 lbs.

10 C 0103 L2U.....	89.90
10 C 4726 U. Guitar and Case Alone. 15 lbs. ...	69.95
10 C 4725 U. Amplifier Alone. Wt., 10 lbs. ...	39.95

**NOTE:** \*Outfits Include Leather Neck Strap, Instruction Book with Record and Chord Chart, Connecting Cable. †Wattage Output Shown is Peak Music Power Rating.

# Music and Voice Amplifiers



## A New 100-Watt\* Amp with Reverb, Tremolo

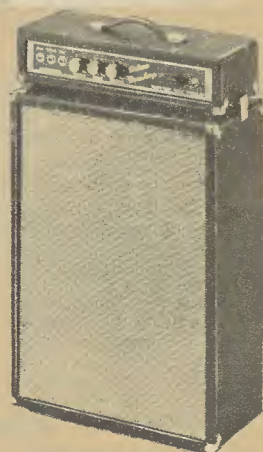
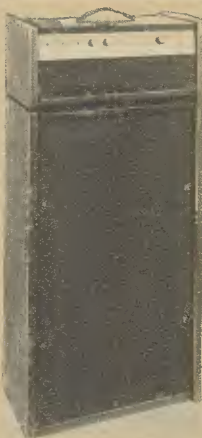
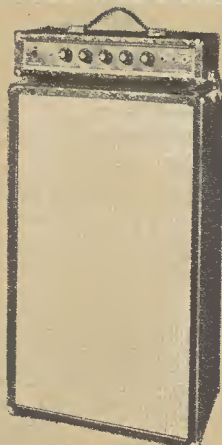
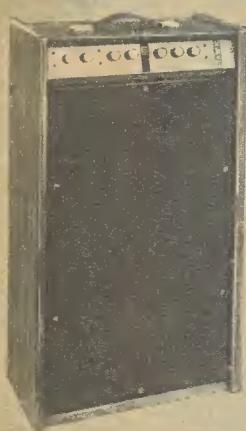
Our best "Piggyback" with two 12" speakers, 4" tweeter. Dual-channel amplifier has two sets of bass, treble and volume controls. Four-input solid-state preamp. Channel 1 has tremolo with modulation and speed controls, plus reverb with fade and reverb controls. Channel 2 is a straight amplifier. Dual foot switch to operate tremolo and reverb with amplifier control box. Pilot light and fuse. Tuned-port enclosure has two heavy-duty 12" Jensen speakers and 4" tweeter. Two transistors, 5 diodes, 8 tubes. Amplifier, 8x26½x10½". Speaker enclosure, 21½x26½x10½". For 117 VAC. 10 C 4797 Z. Shpg. wt., 60 lbs. \$10 Monthly ..... 199.95

## B New 45-Watt\* Amplifier with Built-In Tremolo.

All top-mounted controls and inputs. Features tremolo with speed and modulation controls. 12" Jensen speaker. Four inputs. Two channels with separate tone and volume controls. 22x18x9". For 110-120 V. 60 Hz AC. 10 C 4798 U. Shpg. wt., 28 lbs. \$6 Monthly ..... 109.95

**A** 100 Watts\*  
with Tremolo  
and Reverb  
**\$199.95** \$10  
monthly

**B** 45-Watts\*, Tremolo  
**\$109.95** \$6  
monthly



**C** 80-Watt\*  
Solid-State Amp  
**\$159.95** \$8  
monthly

**D** 35-Watt\*  
Piggyback Amp  
**\$79.95** \$5  
monthly

**E** 80-Watt\* Bass  
Piggyback Amp  
**\$179.95** \$9  
monthly

**F** 50-Watt\* Bass  
Piggyback Amp  
**\$99.95** \$5  
monthly



**G** 80-Watt\*  
Vocal Music  
3-pc. System  
**\$199.95**  
\$10 monthly

**C** 80-Watt\* Solid-State Amp/Reverb. Two 12" speakers, plus tweeter. Reverb with variable control; tremolo with speed and intensity controls; "E" guitar tuner. Two channels with two inputs in each, separate tone and vol. controls, tremolo, reverb foot sw. jacks. 32x18x9½". 117 VAC. 10 C 4799 U. Wt., 48 lbs. .... 159.95

**D** 35-Watt\* Piggyback Amplifier. Features built-in tremolo and reverb; 3 inputs. Volume, bass, treble, and depth controls. Foot switch jack, on-off switch, pilot light. 40-10,000 Hz. Amplifier, 4x15x5¾". Two wide-range 10" speakers in 26x15x8" enclosure. 117 VAC. From Japan. 10 C 4692 U. Wt., 30 lbs. .... 79.95

**E** 80-Watt\* Piggyback Bass Amplifier. Two 12" speakers are specially designed to reproduce rich, clean bass at full output. Features 3 inputs, volume and tone controls, anti-hum switch, power switch, pilot light. Amplifier, 8½x18x9½". Speaker enclosure, 32x18x9½". 117 VAC. 10 C 4764 Z. Wt., 60 lbs. .... 179.95

**F** 50-Watt\* Piggyback Bass Amplifier. Features tremendous 15" speaker for finest bass reproduction. Has 2 inputs; volume, treble, bass controls; pilot light; power switch; fuse holder. 4 dual-purpose tubes, 2 diodes. Amplifier, 4½x17½x9". Speaker, 24x17½x9". 117 VAC. Japan. 10 C 4773 U. Wt., 38 lbs. .... 99.95

**G** 80-Watt\* Solid-State Vocal Amplifier System. Perfect balanced sound for groups or solo vocalists. Features master control unit and two speaker systems. Systems each have two 12" specially-designed speakers and one high-frequency speaker, 32x18x9½". Control unit has two high-impedance mike inputs, each with volume and tone control. External reverb input. Power switch, pilot light, 8½x18x9½". 117 VAC. Shpd. exp. from Chicago warehouse. 10 C 4774 ZF. Shpg. wt., 100 lbs. \$10 Monthly ..... 199.95



# Instrument, Accessory Values

## Violin-Shaped Bass Guitar

- Quality Semi-Acoustic Design
- Volume, Separate Tone Controls
- Two Adjustable Pickups

Instrument gives the guitarist traditional performing excellence plus the latest in design. Looks like a violin, but it's actually a full-size semi-acoustic bass guitar. Crafted of quality woods: arched spruce top, maple body, Canadian maple neck, ebony fingerboard. Features adjustable bridge, two adjustable pickups, volume and separate tone controls. 41x11x2". With leather strap. Honey brown. From Japan. Shpg. wt., 11 lbs.

10 C 45B2 X. \$5 Monthly... 79.95  
10 C 4590 X. Guitar and Case. Shpg. wt., 16 lbs. \$5 Monthly... 89.95

\$79<sup>95</sup>

\$5 monthly



### A Electronic Combo Organ with Bass Coupler

\$299<sup>95</sup>

- Flute, Wood, Brass, String, Reed Voices
- 49-Key Four-Octave Keyboard
- Removable Legs • With Foot Pedal, Case

\$15 monthly

Your combo comes alive with this portable organ! 49-key four-octave "C" scale. Coupler drops bass octave to "G." Five voices: flute, wood, brass, string, and reed. Volume can be controlled from keyboard or foot pedal. Controls: vibrato-off, vibrato-speed, balance, on-off/volume. With removable legs, foot pedal, amplifier cord, carrying case, vinyl cover. 5½x31½x14" closed. Less amplifier. Order amplifier below for best performance. 117 VAC. From Japan. Shpd. exp. from Chicago warehouse.

10 C 4634 ZF. Shpg. wt., 55 lbs. \$15 Monthly... 299.95

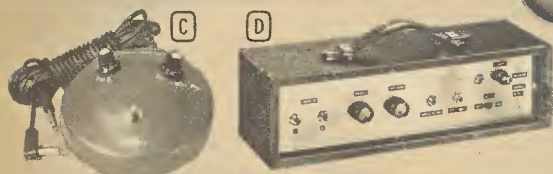
### B Deluxe 75-Watt\* Two-Input Bass Amplifier

Save \$10.00 \$139<sup>95</sup>

- For Organs and Bass Guitars
- One 3½", Two 12" Jensen Speakers
- Separate Bass, Treble, Volume

Was \$149.95. Perfect amplifier for organ above—great for bass guitars, too! \*75-watt peak music power. 4 tubes, 5 silicon rectifiers. 21½x26½x10½". 117 VAC.

10 C 4628 U. Shpg. wt., 48 lbs. \$7 Monthly... 139.95



\$14<sup>95</sup>

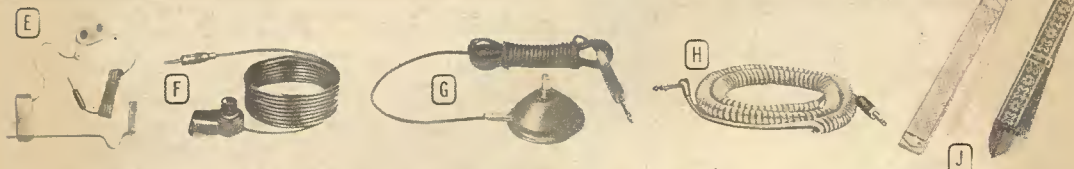
\$29<sup>95</sup> \$5 monthly

C New Fuzz Box for For Out Sounds! All-metal saucer-shaped unit introduces "fuzzy" sound effect to any amplifier. Attack control varies effect. Volume control; foot switch. Three transistors. Input and output jacks. Diameter, 5¾". With connecting cable and 9-V battery. From Japan. Shpg. wt., 2 lbs.

10 C 45B0 S. .... 14.95  
18 C 59B0. Extra 9-V Battery. Uses L. .... Pkg. 2/59¢

D Solid-State Reverberation Unit. Can be used to enhance the sound from any musical instrument amplifier or Public Address amplifier. Has both high-gain and low-gain inputs; 1 output jack. Reverberation delay control. With foot switch jack. Fuse and pilot light. 3½x15x5". Japan. For 110-120 VAC.

10 C 4629 S. Shpg. wt., 6 lbs. \$5 Monthly... 29.95



E Guitar Mike. Add versatility to your electric guitar with an extra pickup. Separate volume, tone controls. Mounts under strings without special attachments. Chrome-plated parts. 8' cable, phone plug. High impedance. 24 C 9270. Shpg. wt., 12 lbs. .... 6.95

F Instrument Contact Mike. Clip-on mike converts your acoustic guitar to an expensive-sounding electric guitar. Volume control. Molded plug, 8' shielded cable. Hi-Z. Japan. 24 C 9002. Shpg. wt., 8 oz. .... 1.88

G On-Off Foot Switch. Non-skid heavy rubber body. 9' cord; phone plug. 24 C 9344. Shpg. wt., 2 lbs. .... 3.95

H Flat-Plug Coiled Guitar Cords. Shielded cable has amplifier phone plug on one end, guitar right-angle plug on the other. Shpg. wt., 8 oz.

Stock No.	Length, Ft.	EACH
24 C 9279	10	2.19
24 C 9280	15	2.69
24 C 9205	20	3.19
24 C 9281	25	3.69

J Guitar Straps. Replace your old worn guitar strap or dress up your guitar outfit with a durable, handsomely styled new strap. Adjustable. 24 C 9345. Chrome-plated Metal Mesh Strap. 3" wide. Wt., 8 oz. .... 9.95  
24 C 9346. Woven Design with Leather Trim. 3" wide. Wt., 8 oz. .... 4.95

### Gibson Guitar String Sets

(Not illus.) Thoroughly-tested guitar strings—most popular with professional musicians. Packaged to retard corrosion, preserve freshness. Sets of 6 strings, except 14 strings.

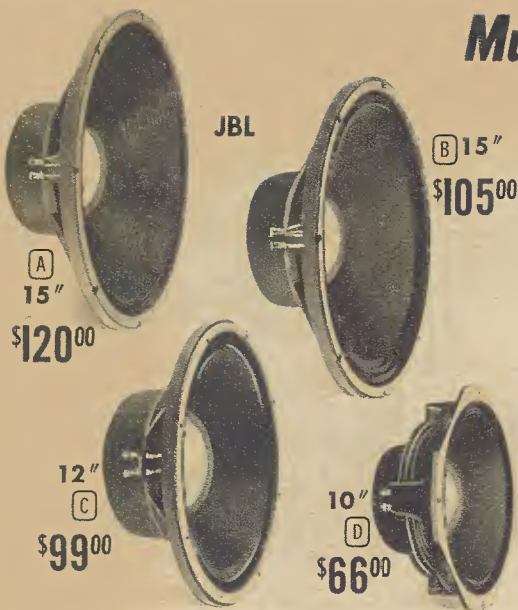
Stock Number	Mfr's Type	Guitar Type	Ge.	PER SET
24 C 9304	GE-340	Elec./Acst.	Med.	2.95
24 C 9306	GE-440	Elec./Acst.	Med.	2.95
24 C 9307	GE-240	Electric	Med.	2.49
24 C 9308	G-040	Electric	Med.	4.95
24 C 9309	G-040L	Electric	L.L.	4.95
24 C 9310	GE-290	Electric	X-Lt.	2.49
24 C 9311	G-240	Acoustic	Med.	2.49
24 C 9312	G-140	Acoustic	Med.	2.49
24 C 9313	G-0055	Bass†	Med.	14.95

SEE PAGES 106-107 FOR FULL LINE OF MUSICAL INSTRUMENT SPEAKERS

ALLIED 105

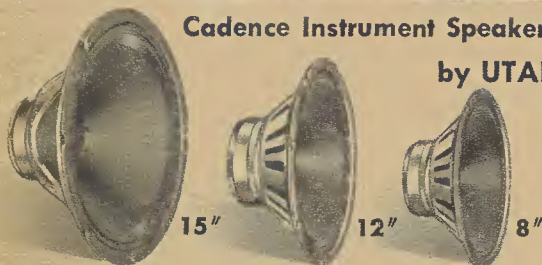
# Musical Instrument Speakers

## James B. Lansing F-Series Speakers



- A** D140F 15" Bass Guitar Speaker. Get stunning music reproduction with this precision-made instrumental speaker. Designed for the professional bass guitarist or organist. It reproduces the sound of your instrument as you've never heard it before. Has 4" voice coil and 11-lb. magnet structure. Solid construction. 8-16 ohms. Requires 13½" dia. mounting hole. 16 C 3190 U. Shpg. wt., 23 lbs. \$6 Monthly..... 120.00
- B** D130F 15" Instrumental Speaker. Designed for the perfectionist. Distortion-free sound through the musical spectrum. 4" edge-wound voice coil; aluminum centerdome. 11-lb. magnet structure. 8-16 ohms. Requires 13½" mtg. hole. 16 C 3189 U. Shpg. wt., 23 lbs. \$6 Monthly..... 105.00
- C** D120F 12" Instrumental Speaker. Perfect speaker for guitars and accordions. Rich bass and crisp treble. Excellent power capacity. 4" edgewound aluminum-ribbon voice coil. 11-lb. magnet structure. 8-16 ohms. Requires 11" dia. mtg. hole. 16 C 3188 U. Shpg. wt., 21 lbs. \$5 Monthly..... 99.00
- D** D110F 10" Instrumental Speaker. Provides you with magnificent sound reproduction—precisely-defined bass and crisp treble. You get great sound even from a small enclosure with this professional 10" reproducer. The 3" voice coil is several times larger than those in ordinary speakers. 6-lb. magnet structure. 8-16 ohms. Requires 9" diameter mounting hole. 16 C 3187 U. Shpg. wt., 15 lbs. \$5 Monthly..... 66.00

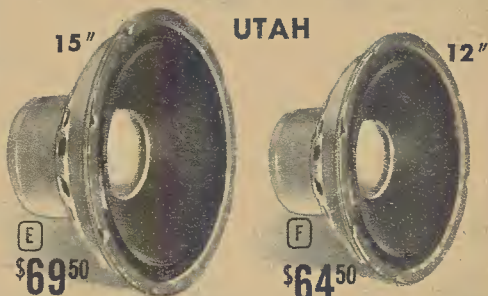
## Cadence Instrument Speakers by UTAH



Full, rich tonal quality and crisp response. Heavy-duty construction—built to last. Heavy-gauge reinforced steel chassis provides strength and rigidity. Thick steel pot plates use full potential of massive barium-ferrite magnet. Oversize voice coil absorbs heat of transient peaks. Rubberized cone edges smooth frequency response and extend cone life. Exclusive internal dust seal. 8 ohms. \*Use: EO, electric organ; G, guitar; BG, bass guitar; All, organ, any guitar, accordion. †Complete magnet structure ass'y.

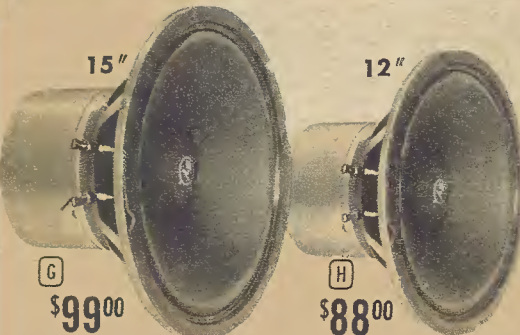
Stock No.	Model No.	Size	†Magnet Struct., Lbs.	* Use	Wt., Lbs.	EACH
16 C 3150	MS-8	8"	1¼	EO, G	2¾	8.95
16 C 3151 X	MS-10	10"	4	EO, G	6¼	14.95
16 C 3152 X	MS-12	12"	4	All	6	16.95
16 C 3153 X	MS-12C	12"	6¾	All	9	22.50
16 C 3154 X	MS-12D	12"	6%	EO, BG	10½	34.50
16 C 3155 X	MS-15	15"	6%	All	12	27.50
16 C 3156 X	MS-15D	15"	6%	EO, BG	12¼	39.95

## New Super-Power Instrument Speakers



- E** MH15R3R 15". Built to handle the punishing power and low-end frequency range of a bass guitar or string bass even through high-output amplifiers. 3" heat-proofed voice coil operates in a massive 15-lb. magnet structure designed around 4 pounds of Alnico V for a full 125-watt peak power capacity. 30-5000 Hz. 8 ohms. Mtg. dia. 14¼"; depth, 8¾". 16 C 3522 U. Wt., 21 lbs. \$5 Monthly..... 69.50
- F** MH12R3R 12". Same specs as above except frequency response, 35-5000 Hz; power capacity, 120 watts peak. Mtg. dia. 11¾"; depth 6¾". 16 C 3532 U. Wt., 18½ lbs. \$5 Monthly..... 64.50

## Electro-Voice Musical Instrument Speakers



- G** SRO-15 15" Speaker. Designed for heavy-duty replacement use where rugged conditions are a norm. Combines reliability with high efficiency. Faithfully reproduces both natural tones and special effects of electronic instruments. Boasts large, heavy 4-lb. 10-oz. ceramic magnet and highly efficient edgewound copper voice coil. 60 watts continuous, 150 watts peak. 8-16 ohms. Requires 13½" mtg. hole. 16 C 3530 U. Shpg. wt., 29 lbs. \$5 Monthly..... 99.00
- H** SRO-12 12" Speaker. Built for wide response and outstanding power handling capacity. Has large 3-lb. Alnico V magnet and highly efficient edgewound copper voice coil. Faithfully reproduces both the natural sounds and the special effects of electrified instruments. 60 watts continuous, 150 watts peak. 8-16 ohms. Requires 11" mtg. hole. 16 C 3531 U. Shpg. wt., 19 lbs. \$5 Monthly..... 88.00



# JENSEN Concert Series Musical Instrument Speakers



\$17.07

\$18.00

\$25.11

\$36.36

\$74.97

## Improve Performance with a Professional Quality Speaker

EM series speakers designed to meet the demanding high-power requirements of electronic musical instruments and still reproduce their full, rich tonal quality. Special voice coil coated with high-temperature enamel and wound on fiberglass bobbin withstands the high ambient temperature generated by the tones of musical instruments. Stress resist-

ant cone has treated edge for smooth response over entire audio range. All have powerful heavy-duty Synox-6® magnets except EM-1550 and EM-1520 which have Alnico V magnets. All have break-proof leads to speaker terminals. Impedance, 8 ohms. \*For guitar only; †for guitar and accordion; § for huss guitar and string bass.



\$38.85



\$34.50

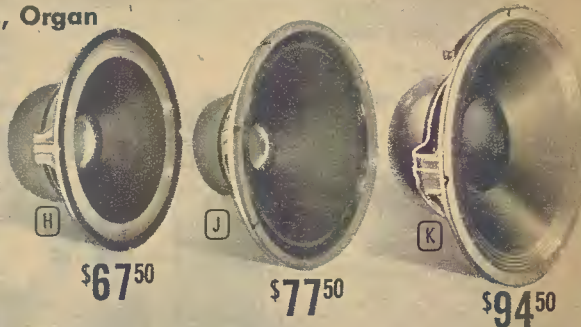
Stock No.	Type EM-	Fig.	Size	Magnet Weight	Peak Power (Watts)	Mounting Hole	Wt., Lbs.	EACH
16 C 3175	801*	A	8"	10 oz.	25	6 3/4"	3	17.07
16 C 3176 X	1001*	B	10"	10 oz.	30	8 3/4"	4	18.00
16 C 3177 X	1020	G	10"	1 3/4 lbs.	100	8 3/4"	7 1/2	34.50
16 C 3178 X	1050†	G	10"	1 3/4 lbs.	100	8 3/4"	7 1/2	34.50
16 C 3179 X	1200§	C	12"	1 lb.	50	10 1/2"	7	25.11
16 C 3180 X	1201*	C	12"	11 oz.	40	10 1/2"	6	22.11
16 C 3191 X	1202†	C	12"	1 lb.	50	10 1/2"	7	25.11
16 C 3192 X	1220§	F	12"	1 3/4 lbs.	100	10 1/2"	8 1/2	38.85
16 C 3193 X	1250†	F	12"	1 3/4 lbs.	100	10 1/2"	8 1/2	38.85
16 C 3194 X	1500§	D	15"	1 3/4 lbs.	60	13 1/2"	11	36.36
16 C 3195 X	1501†	D	15"	1 3/4 lbs.	60	13 1/2"	10 1/2	36.36
16 C 3196 X	1520§	E	15"	3 1/2 lbs.	100	13 1/2"	17 1/2	74.97
16 C 3197 X	1550†	E	15"	3 1/2 lbs.	100	13 1/2"	17 1/2	74.97

## ALTEC LANSING Speakers for Guitar, Bass, Organ

**H** Type 4178. 12" professional-quality instrument speaker. Handles 75-watts music power; 3-inch aluminum ribbon voice coil; 8-lb. 10-oz. magnet structure; 13,000 gauss flux density; Eby nut binding posts. 8 ohms. 7" deep. 16 C 3185 U. Shpg. wt., 17 1/2 lbs. \$5 Monthly..... 67.50

**J** Type 4188. 15" professional-quality instrument speaker. Sophisticated amateurs or discerning professionals will be delighted with its performance. Handles 100 watts of music power. 6 5/8" deep. Other specs as above. 16 C 3186 U. Shpg. wt., 19 lbs. \$5 Monthly..... 77.50

**K** Type 421A. New deluxe professional-quality speaker. Heavy-duty version of the type 418B above. For the instrumentalist who demands top-performance. 16 C 3181 U. Shpg. wt., 20 lbs. \$5 Monthly..... 94.50



\$67.50

\$77.50

\$94.50

## UTAH Music Instrument Columns

**L** MC10. Latest sound reproducer designed for musical instruments. Features four 10" speakers, 10-oz. magnets. 3/4" vinyl covered panels. 80-watts peak. 8 ohms. 43 3/8 x 13 1/4 x 7". Charcoal. 16 C 3568 Z. Wt., 52 lbs. \$5 Monthly..... 59.95

**M** MC12. Specially designed for musical instruments. Four 12" speakers, 20-oz. magnets. 3/4" panels. Fiber-glass damped. 100-watts peak. 8 ohms. 52 5/8 x 15 1/4 x 8". Charcoal. Vinyl covered. 16 C 3569 Z. Wt., 68 lbs. \$5 Monthly..... 99.95

**N** MC10D. Deluxe version of MC10 above. Features four compression tweeters for extra-crisp highs of both voice and music. 16 C 3570 Z. Wt., 56 lbs. \$5 Monthly..... 89.95

**P** MC12D. Deluxe version of MC12 sound column above. Same high-quality features plus four high-compression tweeters for extra-crisp highs of musical instruments plus voice. 16 C 3571 Z. Wt., 72 lbs. \$7 Monthly..... 139.95



\$59.95

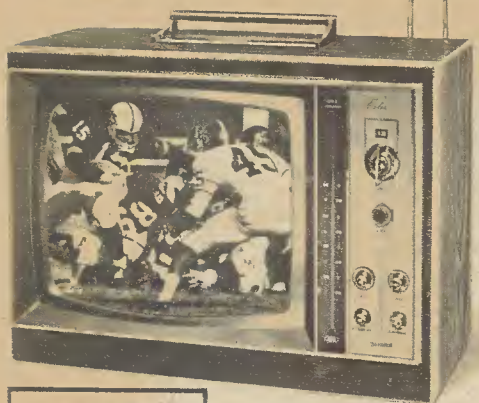
\$99.95



\$89.95

\$139.95

# New Color and Black-and-White Portable TV's



- 60 sq. in. Viewing Area
- Weighs Only 24 Lbs.
- Automatic Color Purifier

**\$239<sup>95</sup>**  
\$12 monthly

**SHARP**

**GENERAL ELECTRIC**



**\$279<sup>95</sup>**  
less cart

\$14 monthly

- 102 sq. in. Viewing Area
- VHF Channel Window
- Automatic Color Purifier

Shown with Custom Roll-Around Cart

## 14"-Diagonal Color TV

Luxurious, compact. Keved AGC, 3 IF stages, AFC for rich, steady color. Full 19,000-volt picture power. Up-front speaker. Pre-set VHF fine-tuning. Slide-rule UHF tuning. Stay-set volume control. VHF-UHF antennas. Walnut-grain vinyl. 14 $\frac{1}{2}$ x20x6 $\frac{1}{4}$ ". U.L. Listed. For 110-120 V, 60 Hz AC. From Japan.  
10 C 4071 U. Wt., 55 lbs. . . . 279.95  
10 C 0095 L2Z. With Custom Matching Cort. 65 lbs. \$15 Monthly . . . 295.00

## 10"-Diagonal "Porta-Color"

New, improved model. "Magic Memory" system for easy, quick adjustment of tint, color, contrast, brightness, volume. Color purifier. Rare-earth phosphors for brighter pictures. Front-mounted 3" speaker, VHF and UHF tuners. Earphone included. VHF telescoping twin dipole, UHF loop antennas. Woodgrain plastic cabinet. Folding handle. 11 $\frac{1}{4}$ x18x16 $\frac{1}{2}$ ". U.L. Listed. 110 VAC.  
10 C 4105 U. Wt., 28 lbs. . . . 239.95



**SHARP**



**SHARP**



**SHARP**

## 19"-Diagonal Portable TV

**\$109<sup>95</sup>** • 184 sq. in. Viewing Area  
• Front-Mounted Controls  
\$6 monthly • Earphone Included

Built for movie-clear black-and-white pictures, even in fringe areas. VHF tuner and silicon-transistor UHF tuner with 2-speed tuning. AGC for steady pictures. Three frame-grid IF tubes help pull in strong signals. Bonded picture tube cuts reflections. Up-front 6x2 $\frac{3}{8}$ " speaker. 19,000-volt picture power. Earphone jack. VHF dipole, UHF loop antennas. Plastic cabinet, 17x21 $\frac{1}{2}$ x13". U.L. Listed. For 117 VAC. Japan.

10 C 4067 U. Wt., 35 lbs. . . . 109.95  
10 C 4073 U. Above, walnut vinyl, slide-rule UHF tuning. 35 lbs. . . . 119.95

## 16"-Diagonal Portable TV

**\$94<sup>50</sup>** • 141 sq. in. Viewing Area  
• Front-Mounted Controls  
\$5 monthly • Earphone Included

Smart "pace-setter" styling in a lightweight, top-performing black-and-white portable. Just right for personal or family use. AGC assures maximum performance even in fringe areas. Automatic Frequency Control holds pictures steady despite varying signals. Brilliant picture is delivered by 15,000 volt output. Up-front 4x3 $\frac{3}{8}$ " speaker. Earphone jack. Telescoping VHF, loop UHF antennas. Slimline plastic cabinet, 14 $\frac{1}{4}$ x19 $\frac{3}{8}$ x12 $\frac{3}{8}$ ". With earphone. U.L. Listed. For 117 VAC. From Japan.

10 C 4060 U. Wt., 30 lbs. . . . 94.50

## 12"-Diagonal Portable TV

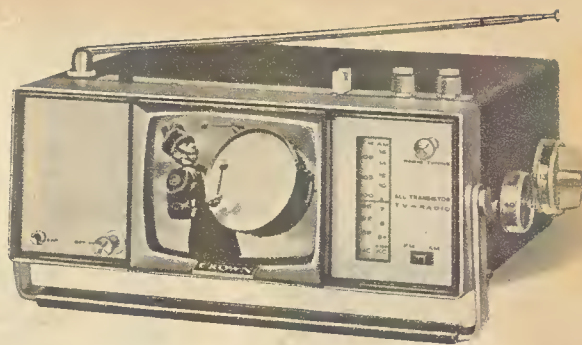
**\$79<sup>95</sup>** • 75 sq. in. Viewing Area  
• Weighs Just 17 Pounds  
\$5 monthly • Earphone Included

Sleek, slimline black-and-white portable offers deluxe features at an exceptionally low price. Frame-grid IF amplifiers and keyed AGC assure excellent reception even in fringe areas. 13,000 volts picture power. Easy-access, front-mounted controls. Up-front 4x3" speaker. Separate telescoping VHF and loop UHF antennas. Built-in carrying handle for easy portability. Smart 2-tone gray high-impact plastic cabinet with chrome trim. 13 $\frac{1}{2}$ x13 $\frac{1}{2}$ x10 $\frac{3}{4}$ ". U.L. Listed. For 110-120 volts, 60 Hz AC. From Japan.

10 C 4226 U. Wt., 23 $\frac{1}{2}$  lbs. . . . 79.95



# Lightweight Personal Portable TV's



## "Minni" 3"-Diagonal—Our Smallest TV

- 4.7 sq. in. Viewing Area
- Solid-State
- Battery/AC Operation
- Weighs 5½ lbs.

**\$109<sup>95</sup>**

Tiny in size, terrific in performance . . . the ultimate in personal viewing enjoyment. Deluxe solid-state portable pulls-in razor-sharp pictures. Plays on 9 optional batteries, regular AC, or car cigarette lighter with 12 VDC cord below. Telescoping VHF antenna. 6¾x3½x6". With earphone, AC adapter/battery charger. Order rechargeable batteries below. From Japan.

- 10 C 4054 S. Shpg. wt., 6½ lbs. \$6 Monthly . . . . . 109.95
- 10 C 4047 S. Rechargeable "C" Batteries, 2 lbs. Pkg. 9/14.95
- 10 C 4324 S. Carry Case/Visor. Wt., 1 lb. . . . . 9.95
- 10 C 4043 S. 12 VDC Cord. Shpg. wt., 12 oz. . . . . 5.95

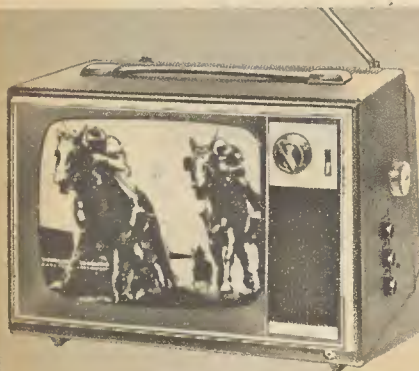
## Battery/AC 4"-Diagonal TV with FM-AM Radio

- 9 sq. in. Viewing Area
- Solid-State
- Battery/AC Operation
- Weighs 9 lbs.

**\$139<sup>95</sup>**

Combination TV, FM and AM radio plays anywhere on batteries or 117-volts AC. UHF ring antenna, VHF-FM telescoping antenna, built-in AM antenna. AFC; AGC. Front-mounted 2½" speaker. With earphone. AC adapter/battery charger. AC cord. Or, use 9 "D" batteries or rechargeable battery pack. 3¾x9¾x8¾". Japan.

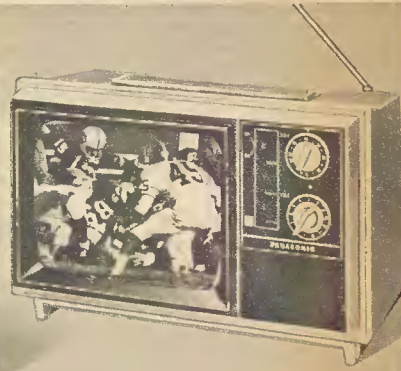
- 10 C 4321 U. Shpg. wt., 11 lbs. \$7 Monthly . . . . . 139.95
- 18 C 5079. "D" Batteries. Wt., 6 oz. . . . . Pkg. of 4 for 65¢
- 10 C 4322 X. Rechargeable Battery Pack. Wt., 2 lbs. . . . . 24.95
- 10 C 4055 S. 12 VDC Neg./Pos. Car Card. Wt., 1 lb. . . . . 5.95
- 10 C 4102 X. Car Antenna and Stand. Wt., 3 lbs. . . . . 24.95



JVC



SHARP



PANASONIC

## 12"-Diagonal Instant-On TV

- \$129<sup>95</sup>**
- 75 sq. in. Viewing Area
  - Special "Black" Screen
  - Solid-State Circuit
- \$7 monthly

Feature-packed—outstanding value! Special black-face shield for greater contrast. "Instant-on"; 3x6" up-front speaker; carrying handle; earphone jack; VHF, UHF antennas. Black plastic cabinet, 11¾x15¾x11". With earphone. For 117 VAC. Japan.

10 C 4057 U. Wt., 26 lbs. . . . . 129.95

19"-Diagonal TV. Styled like above, but not solid-state. Slide-rule UHF. VHF-window tuning, 184 sq. in. viewing area, woodgrain plastic cabinet. 18¾x22¾x13½". Japan.

10 C 4084 U. 45 lbs. \$7 Mo. . . . . 139.95

## Battery/AC 11"-Diag. TV

- \$109<sup>95</sup>**
- 71 sq. in. Viewing Area
  - 29 Transistors, 16 Diodes
  - Weighs Just 17½ Pounds
- \$6 monthly

Our largest-screen portable with a solid-state circuit. Enjoy it at home . . . outdoors . . . everywhere! Plays on 117 VAC, optional battery pack or 12 V car battery (order cord below). Four picture IF stages provide remarkably high sensitivity. Keyed AGC. AFC maintains good picture stability. VHF, UHF antennas. Woodgrain walnut finish case, 13¾x18½x11½". With earphone. Japan. 23 lbs.

10 C 4336 U. \$6 Monthly . . . . . 109.95

10 C 4337 X. Power Pack. Rechargeable battery, case, 6 lbs. . . . . 15.95

10 C 4330 S. 12 VDC Card. 1 lb. . . . . 5.95

## New! 9"-Diagonal TV

- \$69<sup>95</sup>**
- 38 sq. in. Viewing Area
  - Retractable Handle
  - Weighs Under 12 Pounds
- \$5 monthly

Our lowest priced portable TV. Perfect, low-cost second set for kitchen, bedroom or patio. Styled in a distinctive low-profile horizontal design to complement its compact size. Up-front, integrated control panel for all-channel VHF/UHF tuning plus "set and forget" adjustment for perfectly tuned VHF pictures automatically. Front-mounted 3" speaker; retractable handle; VHF, UHF antennas. Beige and brown cabinet, 9½x13¾x10½". For 117 VAC. From Japan. Shpg. wt., 15 lbs.

10 C 4085 X. \$5 Monthly . . . . . 69.95

# Our Best **ALLIED** Portable . . . 8 Bands for Exciting Listening

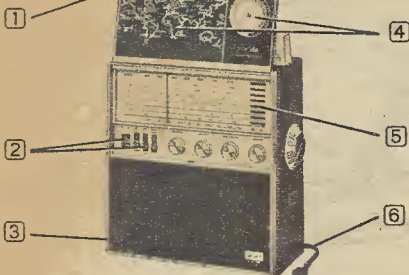
## Super-Deluxe FM-AM-SW-VHF Battery/AC Radio

### TUNES 8 BANDS

- |   |   |
|---|---|
| 540-1600 kHz Standard<br>AM Broadcast Band            | 88-108 MHz FM Broadcast<br>Band for Static-Free Music |
| 1.7-5 MHz Mediumwave for<br>Marine Communications     | 29-50 MHz VHF Police/Public<br>Service Band           |
| 5-12 MHz Shortwave for For-<br>eign Broadcasts, Hams  | 107-136 MHz VHF Aviation<br>Band for Aircraft         |
| 12-24 MHz Shortwave for For-<br>eign Broadcasts, Hams | 147-176 MHz VHF Police/<br>Public Service Band        |

- Fine-Tuning on Shortwave Bands
- Squelch for Noise-Free Monitoring
- Tuning/Battery Condition Meter
- Handsome Leatherette-Covered Case
- Automatic Noise Limiter
- Local/Distance Switch
- Tone Switch • Earphone
- Jack for External SW Antenna

Model 2682. Sensational all-new radio with exciting extras never before offered in a battery/AC 8-band portable priced so low! Packs the power to reach out and pull in stations some portables can't get. Hear fascinating English-language broadcasts from other countries on *two* shortwave bands. Tune in drama and excitement on *two* VHF Police/Public Service Bands. Monitor planes and local airports on the aviation band. Marine band for boats and ships, too. *Plus* standard FM and AM reception for tuning in all your favorite programs. Squelch control cuts out speaker between VHF calls, offers between-station muting when tuning FM. Slide-rule dial, with light, and band-indicator lights. Fine-tuning on medium and shortwave separates crowded stations. Rocker switches for Automatic Noise Limiter, AFC, tone. World map/time chart in lid. 19 transistors, 7 diodes. Telescoping 27" VHF-SW-FM antennas, built-in AM/marine antennas, Motorola-type jack for external SW ant. Heavy-duty case, 12 $\frac{1}{2}$ "x9 $\frac{1}{2}$ "x4 $\frac{1}{2}$ ". For 4 "D" batteries/117 VAC. With 4 long-life batteries, earphone, SW station list. Japan. Shpg. wt., 15 lbs. 10 C 4230 U. \$5 Monthly..... 89.50  
18 C 5079. Extra "D" Batteries. Shpg. wt., 10 oz.... Pkg. of 4 for 65¢



- 1 Dual-Telescoping FM-VHF Antennas
- 2 Rocker Switches, "S" Meter, Battery Tester
- 3 Full-Tone 6x4" Oval Speaker
- 4 World Time Map in Folding Lid
- 5 Indicator Lights Show Band in Use
- 6 Built-in AC with Card and Plug

### THIS IS WHAT YOU HEAR ON VHF

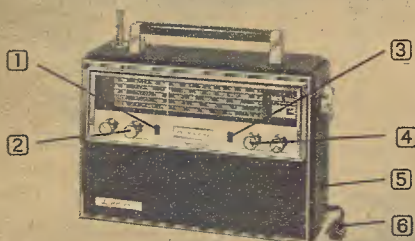
29-50 MHz and 147-175 MHz Police/Public Service Bands: Police, fire, other emergency services; continuous weathercasts on 162.55 MHz in 17 U.S. cities. 108-135 MHz Aviation Band: planes, local airports, navigation stations. Check locally for specific frequencies. The closer you are to a major highway, airport, harbor, or other source of VHF, the more you will hear. Calls are of short duration with random elapsed time between calls. TV audio may be heard in many parts of U.S.

# ALLIED Full-Feature 5-Band Portable . . . Our Best Seller!

### TUNES 5 BANDS

- |  |   |
|--|---|
| 540-1600 kHz Standard<br>AM Broadcast Band         | 108-135 MHz VHF Aviation<br>Band for Aircraft<br>and Local Airports |
| 5-12 MHz Shortwave for Foreign<br>Broadcasts, Hams | 147-175 MHz VHF Police/Public<br>Service Band                       |
| 88-108 MHz Standard FM Band                        |   |

Model 2671. Join the thousands of delighted owners who will tell you that this is the best value in a compact 5-band portable radio. It's battery/AC powered, rugged and ready to go anywhere, and has the 5 most popular bands. Tunes exciting shortwave, emergency services on VHF Police/Public Service Band, and aviation band for planes in flight and local airports. Standard FM-AM bands, too. Fine-tuning for easier shortwave station selection. Slide-rule dial with momentary pushbutton light. AFC. 3x6" speaker. Built-in AM/SW antennas, telescoping VHF-FM antenna. Motorola-type jack for external shortwave ant. 15 transistors, 6 diodes, thermistor. Leatherette covered case, 7 $\frac{3}{8}$ "x10 $\frac{1}{2}$ "x3". For 4 "C" batteries/117 VAC. Earphone, batteries. 10 C 4362 X. From Japan. Shpg. wt., 9 lbs. \$5 Monthly..... 59.50  
18 C 5078. Extra "C" Batteries. Shpg. wt., 10 oz.... Pkg. of 2 for 33¢  
11 C 1749. Deluxe Outdoor Shortwave Antenna. For 1.8-30 MHz. With Motorola-type plug. Shpg. wt., 4 lbs..... 7.95  
11 C 1239. Economy SW Antenna Kit. 100' wire, access. 2 $\frac{1}{2}$  lbs. 2.39  
10 C 4051 S. Matarala-Type Antenna Adapter Plug. 1 oz..... 11¢  
23 C 7538. "ABC's of Shortwave Listening." by Len Buekwalter. (Sams) 96 pp. Gives SW-VHF frequencies, operating tips, much more. Shpg. wt., 12 oz..... 2.50



- 1 Dial Light On-Off Switch
- 2 Variable Tone Control Adjusts Sound
- 3 AFC Switch for Drift-Free FM Reception
- 4 Fine-Tuning Control for Precise Tuning on Crowded Shortwave Bands
- 5 Motorola-Type Jack for Optional External Shortwave Antenna
- 6 Built-in AC with Cord and Plug



**NEW**

**Battery/AC Radio  
Includes Two VHF  
Police/Public  
Service Bands**

**EIGHT BANDS  
\$89<sup>50</sup>**

\$5 monthly

Tunes Standard FM and AM, Two VHF Police/Public Service Bands, VHF Aircraft Band, Two Shortwave Bands, plus Marine Band



**ALLIED**

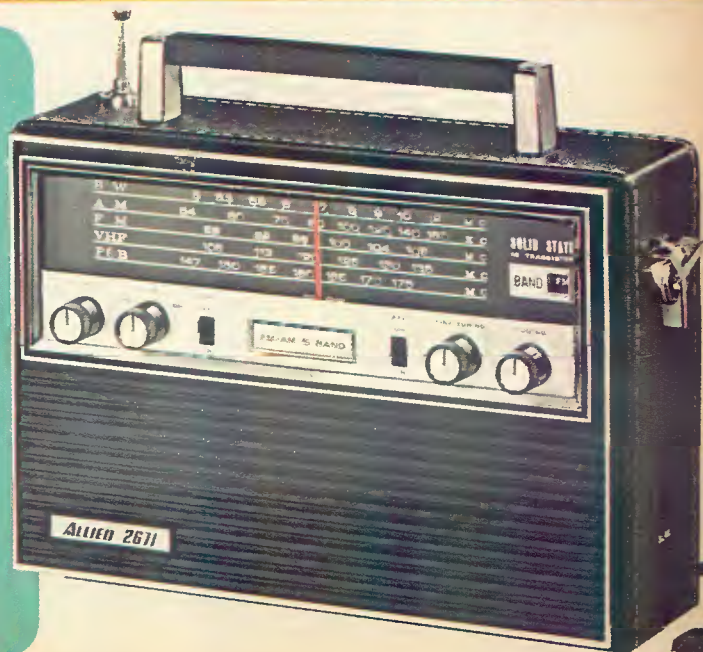


**ALLIED**

**Battery/AC Radio  
with FM-AM-SW plus  
VHF Aircraft and Police/  
Public Service Bands**

**FIVE BANDS \$59<sup>50</sup> \$5 monthly**

- Telescoping FM-VHF Antenna, Built-in AM, Shortwave Antennas
- 3x6" Speaker for Good Sound
- Fine-Tuning an Shortwave



Order the Radio You Want Today with Your Allied Credit Fund Account

ALLIED 111




# New 2690 Three-Piece Solid-State Stereo FM-AM Radio with 25 Watts Peak Power


## DELUXE FEATURES FOR FINE PERFORMANCE

**3-Piece Walnut-Finish Ensemble**  
**\$99<sup>50</sup>**  
\$5 monthly

  
Convenient Front Panel Stereo Headphone Jack

**AFC PUSH**  
  
Pushbutton Controls for Both AFC and Power

  
Easy-to-Use Five Position Selector Switch

  
Input Jacks for Phono, Aux., Output Jacks for Tape

  
2 Speaker Systems Have 6 1/2" Woofer, 2" Tweeter

### **A ALLIED 2690 Stereo FM-AM Radio with Provision for Record Changer**

Surround yourself with stereo sound at Allied's attractive price, with the new 2690 solid-state three-piece radio. Compactly designed. Delivers 25 watts peak music power to the two enclosures, each with a 6 1/2" and a 2" speaker for clear, full-fidelity sound reproduction. Radio pulls in fine stereo and monaural FM reception and good AM. Beautifully styled ensemble boasts wood cabinets with handsome walnut finish.

Speaker enclosures separate up to 14 feet, and can be placed in any position, to suit any space situation. The 2690 is loaded with quality features for fine performance and operating convenience. Illuminated slide-rule dial. Pushbuttons for on-off and for AFC to lock in FM stations. Stereo-FM indicator light, too.

Balance control, plus ganged bass and treble controls let you adjust sound to suit room acoustics. Front-panel stereo headphone jack. Five-position switch selects AM, FM, FM MPX (stereo), phono, or aux. Inputs for ceramic phono and aux. (tape). Outputs for tape recording. Built-in AM, FM antennas, terminals for external antennas. Ground post. Fused line protects circuit.

Solid-state circuit has 21 transistors, 17 diodes and 4 thermistors. Eight adhesive pads are included so that speakers can be placed vertically or horizontally. Mini-Changer listed below is ideal for use with this ensemble. Receiver, 4 3/8 x 16 3/8 x 9 1/8"; speaker enclosures, each 13 x 8 1/4 x 7 1/2". For 117 VAC. From Japan. Shpg. wt., 34 lbs.  
10 C 4268 U. \$5 Monthly. . . . . 99.50

### **B New! 4-Speed Stereo Mini-Changer with Cartridge, Base and Dust Cover**

Perfect for use with Allied 2690 ensemble, above, as well as any other similar ensemble or stereo radio with a ceramic phono input. Plays stack of up to six records automatically or can be operated manually. Four speeds: 16 2/3, 33 1/3, 45 and 78 rpm. Low-mass tubular pickup arm. Detachable spindle. Automatic shutoff after last record.

With two-tone plastic base, plastic dust cover, ceramic stereo flip-over cartridge, synthetic sapphire styli. 12x3 1/2". Order 45-rpm automatic spindle below. 117 VAC. U.L. Listed cord and cables. England. 8 lbs.  
10 C 4712 X. \$5 Monthly. . . . . 39.95  
10 C 4703 S. 45-rpm Automatic Spindle. Wt., 6 oz. . . . . 1.95

## **ALLIED Solid-State Battery/AC Portable Radios**

### **C New 2684 Four-Band FM-AM-SW Portable**

**\$39<sup>95</sup>**  
\$5 monthly

- Tunes 4-26 MHz on Two SW Bands
- Fine-Tuning, Tone Control, Dial Light
- Two 4" Speakers • 15 Transistors
- Covered with Padded Vinyl

New Allied feature-packed full-size portable covers 4-bands. Pulls in international shortwave on 4-12 MHz and 12-26 MHz, plus standard FM and AM. Operates on 4 standard "D" batteries or 117 VAC with built-in cord. Two 4" speakers for full sound. Fine-tuning control on SW. AFC switch on FM, variable tone control, slide-rule dial with vernier tuning, dial light. Built-in twin telescoping swivel antennas pull in stations easily. Cord storage area in back. 15 transistors. 10 7/8 x 7 1/2 x 4". With 4 "D" batteries, 117 VAC cord, earphone. Japan. Wt., 6 lbs.  
10 C 4284 X. \$5 Monthly. . . . . 39.95  
18 C 5079. Extra "D" Batteries. Uses 4. Wt., 12 oz. . . . . Pkg. of 4/65¢  
"ABC's of Shortwave Listening." Howard W. Sams Publications. 96 pages of listening tips, SW frequencies and shortwave station information. Shpg. wt., 3/4 lb.  
23 C 7538. . . . . 2.50

### **D Model 2680 FM-AM Portable**

**\$29<sup>95</sup>**  
\$5 monthly

- Two Speakers for Good Sound
- Padded Leatherette Case
- Switches for AFC and Tone
- Operates on Batteries or AC

Full-size FM-AM portable can be used anywhere, operates on 4 batteries or with built-in 117 VAC cord. Features two round speakers for clear sound. 15-transistor, 3-diode circuit provides good local reception. Switchable AFC locks in FM stations to prevent drift. Extra-wide slide-rule dial makes tuning easy. Includes tone switch, built-in ferrite AM antenna, and 29 1/2" telescoping FM swivel antenna. Handsome padded leatherette-covered case with attractive black metal grille, spring-loaded handle. Size, 7x10 1/2 x 3 1/2". With four "C" batteries, earphone, built-in 117 VAC cord. From Japan. Shpg. wt., 4 lbs.  
10 C 4113 S. \$5 Monthly. . . . . 29.95  
18 C 5078. Extra "C" Batteries. 6 oz. . . . . Pkg. of 2/33¢





Mini-Changer Package

**\$39<sup>95</sup>**  
\$5 monthly



**A** 3-Piece Stereo FM-AM Radio

**\$99<sup>50</sup>**  
\$5 monthly



New **ALLIED 2684** 4-Band Portable **\$39<sup>95</sup>**

\$5 monthly



**ALLIED FM-AM Portable** **\$29<sup>95</sup>** \$5 monthly

No Money Down With an Allied Credit Fund Account

ALLIED 113

# Versatile Car/Portables . . . VHF Portables



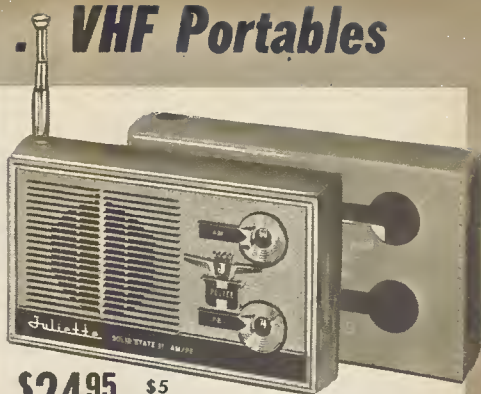
**\$59.95** \$5 monthly

## Deluxe 3-Band FM-AM-VHF Car/Home/Portable Tunes 148-174 MHz Police/Public Service Band\*

- Complete with Locking Car Mounting Bracket and 117 VAC Cord
- Tunes New 162.5 MHz Weather Bureau Station Heard in Many Areas

Pulls in FM, AM, and VHF 148-174-MHz Police/Public Service Band for police, fire, emergency and industrial calls. Plays on 3 "C" batteries, 6 or 12 VDC, or 117 VAC. When used in car dial lights, output is 2 watts peak, hooks up to car antenna. Pos. or neg. grd. Vernier slide-rule tuning. 12 transistors.  $4\frac{3}{8} \times 2\frac{3}{4}$ " speaker.  $7\frac{1}{2} \times 5\frac{1}{8} \times 2$ ". With mtg. bracket, lock and key, AC cord, batteries, earphone. U.L. Listed. From Japan.

10 C 4594 S. Shpg. wt., 5 lbs. \$5 Monthly.....\$9.95  
18 C 5078. Extra "C" Batteries. Shpg. wt., 10 oz. Pkg. of 2 for 33¢

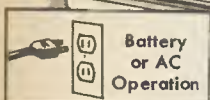
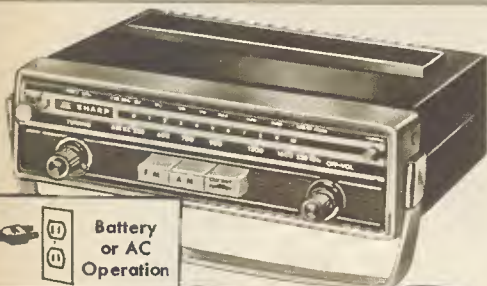


**\$24.95** \$5 monthly

## Compact Portables Tune AM and Police/Public Service Band\*

Tune Police/Public Service band, plus AM. Telescoping antenna,  $2\frac{1}{4}$ " speaker. Fingertip tuning controls, dial windows. 11 transistors.  $3\frac{3}{4} \times 6\frac{1}{2} \times 1\frac{1}{2}$ ". With 4 "AA" batteries, earphone, vinyl carrying case. AC adapter below. From Japan. Shpg. wt., 2 lbs.

10 C 4312 S. AM-VHF 146-174 MHz PS8. Police, weather, fire, etc.....24.95  
10 C 4313 S. AM-VHF 30-50 MHz PSB. Police, fire, emergency and industrial.....24.95  
10 C 4053 S. 115 VAC Adapter. 8 oz.....2.95  
18 C 5083. Extra "AA" Batts. 3 oz.....2/27¢



**\$44.95**

\$5 monthly

## FM-AM Car/Portable/Home Radio

- Locks into Car Mounting Bracket Under Dash
- Operates from Car Battery and Antenna

FM-AM radio locks into bracket under dash, operates on 6 or 12-V pos./neg. gnd. car battery. Out of car uses 4 "D" batteries or 115 VAC. Has ferrite AM, telescoping FM antennas plus car antenna jack. 12-transistors. AFC, pushbutton tone control, big 4" speaker. Attractive wood-grain finish panel, removable swivel handle. With mtg. bracket, batteries, AC cord, earphone.  $6\frac{3}{4} \times 9 \times 2\frac{1}{2}$ ". Japan.

10 C 4153 S. Shpg. wt., 6 lbs. \$5 Monthly.....44.95  
18 C 5079. Extra "D" Batteries. Wt., 6 oz.....Pkg. of 4 for 65¢



**\$39.95**

\$5 monthly

## Panasonic FM-AM Car/Portable

- Fits Most Cars Easily—6/12 V Pos./Neg. Gnd.
- Delivers Powerful 1.5-Watt Output in Car

Our newest car/portable boasts big features and performance. Has 9 transistors, 8 diodes. Vernier slide-rule tuning, AFC, high-low tone switch. Full-range  $3\frac{1}{2}$ " speaker. Ferrite AM, telescoping FM antennas. Uses 4 "AA" batteries or 6/12 VDC car battery with optional mtg. bracket, below. With batteries, earphone.  $7\frac{1}{2} \times 2 \times 7\frac{1}{8} \times 2\frac{3}{16}$ ". Japan.

10 C 4412 S. Shpg. wt., 4 lbs. \$5 Monthly.....39.95  
10 C 4413 S. Car Mtg. Bracket. Lock, key. 3 lbs.....9.95  
18 C 5083. Extra "AA" Batteries. Uses 4. Wt., 5 oz.....2/27¢  
10 C 4414 S. 115 VAC Adapter. Shpg. wt., 1 lb.....5.95



**\$29.95**

\$5 monthly

## AM Car/Portable with Mtg. Bracket

- Tone Control, 6 Tuned Circuits, RF Stage
- Slide Rule Dial Lights When Used in Car

Car/portable operates from 12-V pos. or neg. gnd. car battery or 4 "C" batteries. 6 tuned circuits, RF stage, AVC for top performance. 8 transistors. Pushbutton tone switch, big 4" speaker. Slide-rule dial lights on 12 VDC. With theftproof car mounting bracket, lock and key, and earphone. Order batteries below.  $7\frac{7}{16} \times 6\frac{1}{4} \times 2\frac{3}{16}$ ". From Japan. 6 lbs.

10 C 4050 X. \$5 Monthly.....29.95  
18 C 5078. "C" Batteries. Uses 4. Wt., 6 oz.....Pkg. of 2 for 33¢



# Feature-Packed Portables

With AC  
Adopter  
**\$29.95**  
\$5 monthly



Tunes 148-  
174 MHz  
VHF Band

**\$29.95**

\$5 monthly

Operates on  
Batteries or  
Built-In AC

## FM-AM-SW Portable with AC Adapter

- Easy-to-Read Slide-Rule Dial with Logging Scale
- Vinyl Walnut Trim on Handle and Front

Smartly-styled FM-AM-Shortwave portable covers standard FM and AM, plus international shortwave from 4.5 to 12 MHz. Large, slide-rule dial with logging scale and smooth vernier tuning makes tuning easy. Color-coded dial plate. AFC. 10 transistors, 7 diodes.  $3\frac{1}{2}$ " speaker. Telescoping 35" swivel antenna. Black plastic case, metal grille, walnut vinyl trim.  $6 \times 9\frac{1}{2} \times 2\frac{1}{2}$ ". With 4 "C" batteries, earphone, 115 VAC adapter. Japan. 5 lbs.

10 C 4052 S. \$5 Monthly..... 29.95  
18 C 5078. Extra "C" Batteries. Uses 4. Wt., 6 oz..... 2/33¢

## AM-VHF Police/Public Service Band Radio

- Hear the New VHF Weather Bureau Station in Many Areas
- Self-Storing 117 VAC Cord • Black Leatherette Case

Exciting portable operates on batteries or AC with self-storing cord. Tunes AM, plus the 148-174 MHz VHF Public Service Band. Hear police, fire and emergency calls; business and public service communications; and in many parts of the country, the new weather bureau station on 162.55 MHz. AFC prevents drift. 10 transistors, 6 diodes, thermistor.  $3\frac{1}{2}$ " speaker. Telescoping antenna.  $5\frac{1}{4} \times 9 \times 3$ ". With batteries, earphone. From Japan. 4 lbs.

10 C 4031 S. \$5 Monthly..... 29.95  
18 C 5078. Extra "C" Batteries. Uses 4. Wt., 6 oz..... 2/33¢

Long-Range  
AM Portable  
**\$16.95**

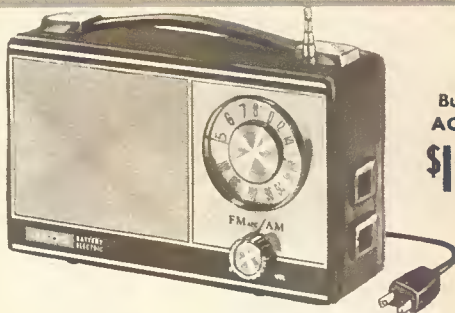


## Sensitive Battery/AC Portable AM Radio

Extra-sensitive AM portable is ideal for campers. Has 10-transistor circuit with tuned RF stage, vernier tuning, 3-gang tuning capacitor,  $3\frac{1}{2}$ " speaker. Operates on batteries or AC. Simulated leather case,  $4 \times 7 \times 2\frac{1}{4}$ ". Batteries, earphone. Japan.

10 C 4286 S. Shpg. wt.,  $3\frac{1}{2}$  lbs..... 16.95

Built-In  
AC Cord  
**\$19.95**



## Battery/AC FM-AM Portable

Portable FM-AM radio operates on batteries or 115 VAC with built-in cord. Provides good local FM reception, clear AM. Has  $2\frac{1}{2}$ " dynamic speaker, AFC, telescoping swivel antenna. 11 transistors, 8 diodes. With batteries.  $4\frac{3}{4} \times 8\frac{1}{4} \times 2\frac{1}{4}$ ". Japan.

10 C 4025 S. Shpg. wt.,  $3\frac{1}{2}$  lbs..... 19.95



With  
AC Adapter  
in Gift Box  
**\$16.95**

## FM-AM Pocket Portable

FM-AM portable offers good local FM reception, clear AM. Has 10 transistors,  $2\frac{1}{2}$ " speaker, slide-rule dial, ferrite AM, telescoping FM antennas. Die-cast case,  $5\frac{1}{2} \times 3\frac{1}{8} \times 1\frac{1}{4}$ ". Gift-boxed. With battery, earphone, carrying strap and 115 VAC adapter. Japan. 2 lbs.

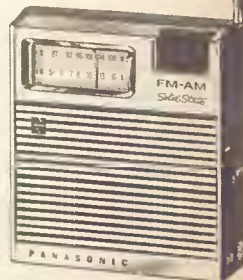
10 C 4028 S..... 16.95

AM Pocket Portable. As above, but AM only. 8 trans. With case, battery, earphone, 115 VAC adapter.  $4\frac{3}{8} \times 2\frac{3}{4} \times 1\frac{1}{2}$ ".  
10 C 4030 S.  $1\frac{3}{4}$  lbs..... 11.95  
18 C 5980. Extra 9V Bat. . . 2/59¢

## Miniature FM-AM Radio

Our smallest FM-AM portable boasts famous Panasonic quality and performance. Miniature portable is only  $4 \times 4 \times 1\frac{1}{2}$ ", yet contains a  $2\frac{1}{4}$ " PM speaker for full sound. Circuit has 9 transistors, 6 diodes.

Unique Roto-Tuning bar with vernier slide-rule tuning. Built-in AM, telescoping swivel FM antennas. Black with silver trim. With case, battery, earphone, ext. speaker jack. Japan. Shpg. wt., 1 lb.  
10 C 4026 S..... 19.95  
18 C 5980. Extra 9V Bat. . . 2/59¢



Full  $2\frac{1}{4}$ "  
Speaker  
**\$19.95**

Allied Has the Perfect Portable Radio for Everyone

ALLIED 115

## Police/Public Service Band\* Portables



**A**

### 5-Band Battery/AC Portable

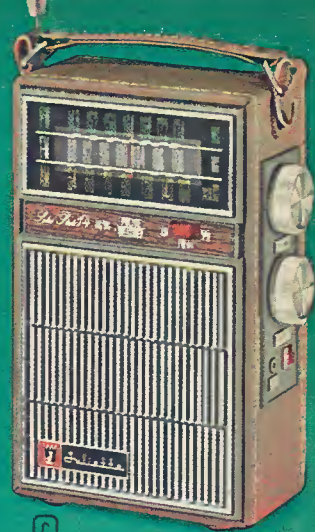
**\$54.95** FM-AM, plus 30-50, 146-175 MHz Police/Public Service Bands; 6-18 MHz Shortwave  
\$5 monthly



**B**

### 5-Band Portable Radio

**\$49.95** FM-AM, plus 107-136 MHz Aircraft; 148-174 MHz Police/Public Service; 5-12 MHz Shortwave  
\$5 monthly

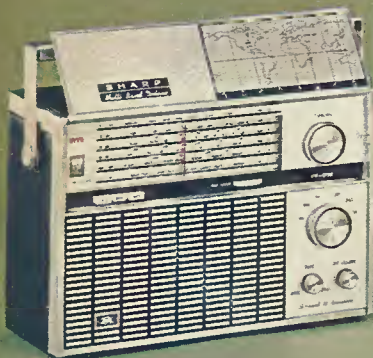


**C**

### 3-Band Battery/AC Portable

**\$39.95** FM-AM; Police/Public Service Band, 148-174 MHz  
\$5 monthly

## Big Values in Shortwave Multiband Portables



**D**

### 6-Band Battery/AC Radio

Save  
**\$20.00**

**\$79.95**

\$5 monthly

FM, AM, 3 SW Bands (BFO for Code), and Longwave

**NEW**

**\$119.95**

\$6 monthly

Tunes FM-AM, 7 Shortwave Bands and Marine Band



**E**

### 10-Band Battery/AC Radio



**F**

### 15-Band Battery/AC Portable

**\$179.95**

\$9 monthly

Our Finest Portable Radio . . . Operates from Batteries, Car or AC

Covers all these frequencies: Standard AM Broadcast Band, 550-1650 kHz; FM Band, 88-108 MHz; Longwave Band, 145-420 kHz; Marine Band, 1.5-3.65 MHz; 11 Major International Broadcast Shortwave Bands from 3.61-22.10 MHz each spread full-dial. Includes 80, 40, 20, and 15-meter Amateur Bands.





**(A) 5-Band FM-AM-SW-VHF Portable  
Tunes Both Police/Public Service Bands\***

Tunes VHF Police/Public Service Bands on 30-50 MHz and 146-175 MHz for local police, fire, industrial radio, weather (+62.55 MHz), plus FM, AM, and international shortwave on 6-18 MHz. Pushbutton band indicator lights. Telescoping 37½" antenna. 18 transistors. Die-cast front, leatherette case, leather handle. Plays on 4 "C" batteries or from built-in 117 VAC cord and plug. With batteries, earphone. 6½x10x3¾". Japan.  
10 C 4409 S. Shpg. wt., 8 lbs. \$5 Monthly... 54.95  
1B C 507B. Extra "C" Batteries. 6 oz.... Pkg. of 2/33¢

**(B) 5-Band FM-AM-SW-VHF Portable Tunes  
Aircraft and Police/Public Service Band\***

Brings in police and industrial calls, and weather on 148-174 MHz Public Service Band. Tunes aircraft on 107-136 MHz, shortwave on 5-12 MHz, FM, AM. Squelch quiets speaker between calls. Local distance switch. Dial light button. 13 transistors. Telescoping antenna. With earphone. 6 "C" batteries. AC adapter below. 7x10½x3¾". Japan. Shpg. wt., 8 lbs.  
10 C 4033 S. \$5 Monthly... 49.95  
10 C 4159 S. AC Adapter. Shpg. wt., 8 oz.... 3.95

**(C) FM-AM-VHF Battery/AC Portable Radio  
with Police/Public Service Band\***

Dramatic coverage of local business, emergency services and weather on 148-174 MHz VHF Police/Public Service Band. FM-AM, too. 14-transistors, AFC. Olive leatherette finish. Die-cast grille. 3½" speaker. Built-in AM antenna, telescoping FM-VHF antenna. Plays on batteries or 117 VAC. 8¼x5½x3". With batteries, earphone. Japan.  
10 C 4036 S. Shpg. wt., 4 lbs. \$5 Monthly... 39.95  
1B C 5083. Extra "AA" Batteries. 5 oz.... Pkg. 2/27¢

**(D) 6-Band FM-AM-LW-SW Battery/AC**

Was \$99.95. Deluxe portable has die-cast front, leatherette cover, dial light, fine-tuning, AFC on FM, BFO for code reception, tone control, world time map in lid, tuning/battery meter, 6x4" speaker, 18 transistors. Bands: FM; AM; LW (145-380 kHz), SW (3 bands: 1.6-4.3, 3.9-12, 12-26.5 MHz). AM/LW, telescoping FM/SW antennas, ext. SW antenna wire. Jacks for external and car antennas, phono, tuner, earphone. Plays on 8 "D" batteries or 117 VAC. With earphone, batteries. 8¼x12x4¾". Japan. Wt., 15 lbs.  
10 C 42B2 U. \$5 Monthly... 79.95

**(E) 10-Band FM-AM-SW Battery/AC Portable**

Seven international SW bands: 5.95-6.20, 7.10-7.30, 9.5-9.8, 11.7-11.98, 15.10-15.45, 17.70-17.90, 21.45-21.75 MHz; 1.6-4.7 MHz marine band; FM-AM. Battery/tuning meter, AFC on FM, 4x6" speaker, removable world time map in lid, tone control. Leatherette cabinet with die-cast chrome panels. AM/marine band antenna, telescoping FM/SW, ext. wire antenna. For 6 "D" batteries or 117 VAC. With batteries, earphone. Size. 9½x12¾x5". Japan. Shpg. wt., 18 lbs.  
10 C 4035 U. \$6 Monthly... 119.95

**(F) 15-Band Battery/AC Portable—Our Best**

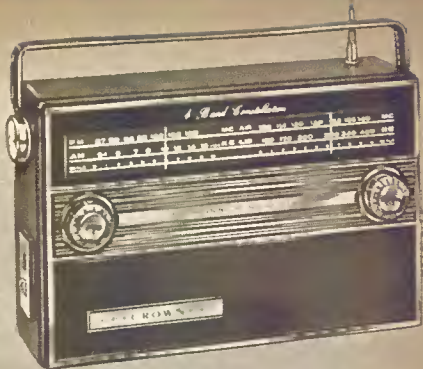
Covers FM, AM, eleven shortwave bands, marine and longwave bands (see facing page). Full-dial bandspread, tuning meter, lighted dial, 5x7" speaker, AFC. 14 transistors. Plays on 5 "D" batteries, car, 117 VAC. Full 5-watt output in car, 3 watts as portable. World time selector, SW station list. Telescoping antenna. SW antenna and phono jacks. Amplifier, recorder outputs. Vinyl-covered case. 8½x12½x4". Batteries below. W. Germany.  
10 C 4334 U. Wt., 11 lbs. \$9 Monthly... 179.95  
1B C 5079 "D" Batteries. 12 oz.... Pkg. of 4 for 65¢  
10 C 4344 X. Lockable Car Bkt. 6-12 V. 5¼ lbs... 19.95

**FM-AM-LW-VHF Aircraft Portable**

**\$64.95**

\$5 monthly

Excellent Choice for Pilots, Boaters and Sportsmen



Covers FM, AM, 150-400 kHz LW and 108-140 MHz VHF for aircraft and local airports. Vernier tuning, tone control. Sleep switch turns off radio automatically after up to 45 minutes. Over 1-watt output to 3x5" speaker. AFC on FM. Plays on 4 "C" batteries or 117 VAC. Telescoping antenna. Black leatherette case. 10¼x6½x3¼". With batteries, earphone. From Japan. Shpg. wt., 5 lbs.

10 C 4277 S. \$5 Monthly... 64.95  
1B C 5078. Extra "C" Batteries. Wt., 6 oz.... Pkg. of 2/33¢

**NEW**

**FM-AM-SW Marine Band Portable**

**\$39.95**

\$5 monthly

Battery or AC Operation



Packed with features. Tunes standard FM and AM; marine band from 2.5-6.5 MHz; shortwave from 9-18 MHz. Has tone control, fine tuning, AFC on FM, handsome leatherette case with vinyl wood veneer trim. Operates on 4 "C" batteries or 117 VAC. Internal AM/Marine Band antenna, dual telescoping FM/SW antennas, external wire antenna. 7½x10½x3¼". With earphone, batteries. From Japan. Shpg. wt., 6 lbs.

10 C 4039 S. \$5 Monthly... 39.95

**NEW**

**FM-AM-SW Marine Band Value-Priced Portable**

**\$34.95**

\$5 monthly

Battery or AC Operation



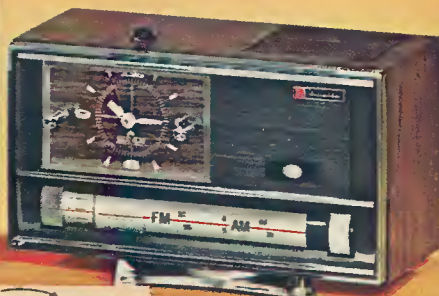
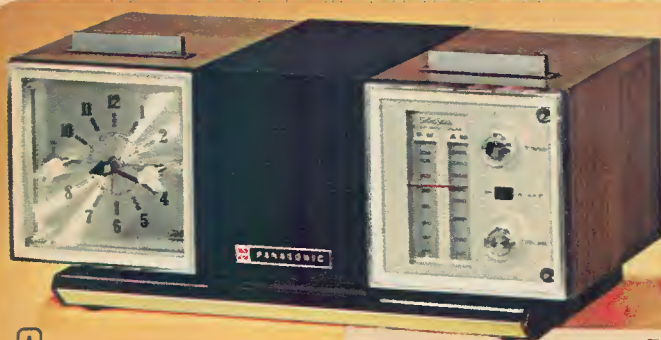
Provides quality reception of FM-AM, plus coverage of 1.6-4 MHz marine band and 4-12 MHz shortwave. Operates on 4 "C" batteries or 117 VAC. Tone control, 3½" speaker, AFC. 12 transistors. Built-in AM, telescoping FM/SW antennas. Padded leatherette cabinet. 6¾x10¼x3¾". With earphone, batteries. From Japan. Shpg. wt., 6 lbs.

10 C 4126 S. \$5 Monthly... 34.95

**NOTE:** \*Police/Public Service Bands cover police, fire, emergency services, utilities, taxis, trains, etc.; (see page 110). The closer you are to a city, major highway or airport, the more VHF you will hear. Calls are short and intermittent.



# Full-Feature FM-AM Solid-State Clock-Radios



**A** \$59<sup>95</sup>  
\$5 monthly

Swivels 30° on Base  
for Extra Convenience



**B** \$36<sup>95</sup>  
\$5 monthly



## **A** Our Finest FM-AM Clock-Radio

Panasonic, Deluxe full-size FM-AM clock-radio in luxurious walnut-finish wood cabinet. Handsome enough for any room in your home. Excellent FM-AM radio with  $\frac{3}{4}$ -watt output, push-bar band selector, AFC, 4" speaker, push-bar doze alarm, slide-rule dial, individual band lights, lighted clock face, lighted dial, AC line cord antenna for FM. On 30° swivel base. 6x13 $\frac{3}{8}$ x7 $\frac{7}{8}$ ". U.L. Listed. 117 VAC. Japan. Wt., 9 lbs.  
10 C 4139 X. \$5 Monthly.....59.95

**C** \$59<sup>95</sup> \$5 monthly

## **B** Versatile FM-AM Clock-Radio

Smart FM-AM clock-radio is only 9" wide, fits anywhere. Perfect for night table or kitchen shelf. Thumb-wheel volume and tuning controls. Clock has luminous dial and bands, doze button, sleep switch. Walnut-grain plastic cabinet swivels 180°. 4 $\frac{1}{2}$ x9x4 $\frac{1}{4}$ ". 117 VAC. From Japan. Shpg. wt., 4 $\frac{1}{2}$  lbs.  
10 C 4141 S. \$5 Monthly.....36.95  
10 C 4148 S. AM Clock-Radio. 4 lbs.....26.95



## **C** Station-Seeking FM-AM Clock-Radio

Tunes one way automatically with touch-bar tuning. Sensitive circuit,  $\frac{3}{4}$ -watt output, 4" speaker, local-distance switch, tone control, optional manual tuning, FM line cord antenna. Full-feature clock with snooze button. Illuminated dials. Smart low-boy walnut finish wood cabinet. 5 $\frac{1}{4}$ x13 $\frac{3}{4}$ x7 $\frac{3}{4}$ ". 117 VAC. Japan.  
10 C 4172 X. 8 lbs. \$5 Monthly.....59.95  
10 C 4182 X. FM-AM Radio. Above, less clock.....54.95

**D** \$49<sup>95</sup> \$5 monthly

## **D** G.E. 2-Speaker FM-AM Clock-Radio

Popular General Electric FM-AM clock-radio delivers big sound from two 4" speakers. Slide-rule dial, AFC, tone control. Full-feature clock with lighted dial, plus snooze button for extra 7-minute naps. Red dot on clock face appears when alarm is set. Walnut-finish plastic cabinet. 7x13 $\frac{1}{2}$ x6". 117 VAC. Wt., 8 lbs.  
10 C 4127 X. \$5 Monthly.....49.95



**E** \$39<sup>95</sup> \$5 monthly

## **E** FM-AM Clock-Radio in Wood Cabinet

Handsome full-size FM-AM clock-radio features distinctively styled walnut-finish wood cabinet. Sensitive radio boasts 4 FM and 3 AM IF transformers. Slide-rule dial, AFC, tone control, wide-range 4" speaker, FM line cord antenna. Full-feature clock wakes you to music or alarm, tells you to sleep with music. 8x18x6". 117 VAC. Japan. Shpg. wt., 7 lbs.  
10 C 4184 X. \$5 Monthly.....39.95  
10 C 4183 X. FM-AM Radio. No clock. 7 lbs.....34.95





**All Clock-Radios  
on These Two Pages  
Have the Following  
Important Features**

- Precision-Made Clacks for Accuracy and Reliability
- 60-Minute Sleep Switches Lull You to Sleep with Music, Turn Off Radio
- Wake You Pleasantly to Music or Buzzer Alarm
- Excellent FM-AM Reception
- All Solid-State Circuits
- Accurate Full-View Dials For Easy Tuning
- Decorative Styling to Look at Home in Any Room



**A** \$39<sup>95</sup>  
\$5 monthly

**B** \$44<sup>95</sup>  
\$5 monthly

**C** \$29<sup>95</sup>  
\$5 monthly

**A FM-AM/Hi-Intensity Lamp/Desk Set**

Smart-styling and versatility highlight this executive desk set. Solid-state FM-AM radio has slide-rule dial, AFC and 3 1/2" speaker. High-intensity lamp (with bulb) adjusts to three intensities. Telescoping-swivel arm. Twin Parker ballpoint pens. High-impact plastic base with rosewood panels. 9x6 3/4". For 117 VAC. From Japan. Shpg. wt., 6 1/2 lbs.  
10 C 4171 S. \$5 Monthly..... 39.95

**B FM-AM Clock-Radio/Hi-Intensity Lamp**

Ideal for bedside or desk. Full-feature Telechron clock keeps precise time—wakes you to music or alarm, lulls you to sleep at night. Solid-state FM-AM radio has AFC, delivers fine sound from 3 1/2" speaker. High-intensity lamp adjusts to three intensities. Telescoping-swivel arm. Ivory base with rosewood trim. 10x6 3/4". For 117 VAC. From Japan. Shpg. wt., 6 lbs.  
10 C 4374 S. \$5 Monthly..... 44.95

**C Ultramodern FM-AM Clock-Radio**

Uniquely-styled cube-shaped FM-AM clock-radio is as functional as it is handsome. Solid-state FM-AM radio brings you your favorite programs. AFC. Full-feature Telechron clock wakes you to music or alarm, snooze button for extra naps. 60-minute sleep switch with automatic shutoff. Luminous hands. FM line cord antenna. With earphone. 7x4 5/8 x 3 3/4". U.L. Listed. 117 VAC. From Japan. 4 lbs.  
10 C 4192 S. \$5 Monthly..... 29.95

**D Twin-Speaker FM-AM Clock-Radio**

FM-AM clock-radio boasts 3" and 2 1/2" speakers. Slide-rule dial, AFC, tone switch, FM line cord antenna. Full-feature clock with snooze button, luminous dial. Wood-grain plastic cabinet. 4x12x5". For 117 VAC. From Japan. Shpg. wt., 5 lbs.  
10 C 4185 X. \$5 Monthly..... 34.95

**E AM Clock-Radio.** As above, less FM, tone sw. 4 lbs.  
10 C 4188 X. \$5 Monthly..... 24.95

**F Compact, Low-Profile FM-AM Clock-Radio**

Radio has 3 1/2" speaker, AFC on FM. Telechron clock wakes you to music or alarm, lulls you to sleep at night. Radium dial, luminous hands. Attractive walnut-grained plastic cabinet. 5 1/2 x 9 1/2 x 3 3/8". 117 VAC. With earphone. From Japan. Shpg. wt., 4 lbs.  
10 C 4195 S. \$5 Monthly..... 27.95

**G FM-AM Radio.** As above, less clock. 3 1/2 lbs.  
10 C 4197 S. \$5 Monthly..... 19.95



**E** \$24<sup>95</sup>  
\$5 monthly

**D** \$34<sup>95</sup>  
\$5 monthly



**G** \$19<sup>95</sup>  
\$5 monthly

**F** \$27<sup>95</sup>  
\$5 monthly

**A Small Monthly Payment Buys Anything Allied Sells**



# Our Best Selection Ever of FM-AM Radios



**\$99<sup>95</sup>** \$5 monthly

## Panasonic FM-AM-Tape Cassette Car/Portable

Great new idea in portables! FM-AM radio/cassette recorder plays on 5 "D" batteries, or in 6- or 12-V car with optional bracket. You can order AC adapter for home use, too (below). Records and plays up to two hours on Philips-type cassettes. Record direct from radio or with optional mike. Level meter. Radio has vernier tuning, tone control, AFC, 6x4" speaker, 2-watt output. Ferrite, telescoping antennas. 3½x11x11". Batteries, earphone. Japan.

- 10 C 4002 S. 10 lbs. \$5 Monthly..... 99.95
- 10 C 4006 S. Car Mounting Bracket, Lock. 4 lbs..... 19.95
- 10 C 4007 S. Mike Kit. Remote stop-start "pencil" mike, stand, Philips-type 60-minute cassette. 2 lbs..... 9.95
- 10 C 4280 S. AC Adapter. For 117 VAC. 1 lb..... 9.95
- 18 C 5079. Extra "D" Batteries. Uses 5. Wt., 6 oz..... 4/65¢

## A Panasonic Stereo FM-AM Radio Ensemble

Luxurious walnut ensemble features component styling. Solid-state circuit delivers 10-watt peak music power to 6½" speakers. Speaker systems separate to 10 feet, or fit atop receiver to save space. Stereo indicator light, plus selector switch for tuning only the stations broadcasting stereo. Lighted slide-rule dial. AFC locks in FM stations, prevents annoying drift. Tone control. Input jack for plugging in record changer (below) or tape recorder. Matching walnut veneer wood cabinets. Built-in FM-AM antennas. Receiver, 3½x16½x9¾". Each speaker, 8¼x8x8½". U.L. Listed. For 117 VAC. From Japan. Shpg. wt., 22 lbs.

10 C 4212 U. \$5 Monthly..... 99.95

Matching 4-Speed Mini-Changer. Fits atop receiver. Synthetic-sapphire needles, ceramic stereo cartridge, dust cover, walnut base. 6" high. 117 VAC. England. 10 C 4356 X. 10½ lbs. \$5 Monthly..... 39.95

## B Stereo FM-AM-SW Radio/Tape Player

An endless source of listening pleasure. Fine stereo FM, AM, and 4-12 MHz shortwave, plus built-in 8-track stereo tape cartridge player. Input for record changer (below). Plays stereo tape cartridges automatically, or you can change channels manually with selector. Lighted channel indicator. Radio has tuning meter, stereo indicator light, lighted slide-rule dial. 20-watt peak music power output. Speakers have 6" woofer and 1¼" tweeter. Stereo headphone jack, stereo tape output jack, extra antenna terminals. Eight controls, including bass, treble, balance. Walnut finish wood cabinets. Radio, 4¼x19¾x10½". Each speaker, 12½x9½x7¾". U.L. Listed. 117 VAC.

10 C 4199 U. Japan. 25 lbs. \$9 Monthly..... 169.95

Record Changer. Storage space for 6 tape cartridges. 4-speed. Ceramic stereo cartridge. Walnut base, dust cover. 2½x20x9¾". 117 VAC. England. Wt., 11 lbs. 10 C 4203 X. \$5 Monthly..... 49.95

## C Three-Piece Stereo FM-AM Radio

Component-type stereo FM-AM radio pours out impressive stereo FM. Solid-state circuit provides 12-watt peak music power output. 6½" speakers separate up to 12 feet. Inputs for phono (below) and tape. Illuminated slide-rule dial, stereo indicator light. Aux. speaker jacks, stereo headphone jack, stereo tape output. Controls include bass, treble, balance. Built-in AM, FM line-cord antennas, external terminals. Walnut-finish wood cabinets. Radio, 3½x15¾x10"; speakers, 6x8¾x9". U.L. Listed. 115 VAC. Japan. 19 lbs.

10 C 4275 U. \$5 Monthly..... 89.95

Record Changer. Fits atop radio. Plays 4 speeds, up to 6 records. Ceramic stereo cartridge, dust cover, walnut base. 6x15¾x9¾". 117 VAC. England. 10 lbs. 10 C 4206 X. \$5 Monthly..... 39.95

## D Two-Speaker Wood FM-AM Table Radio

Handsomely styled, solid-state monaural FM-AM radio features two speakers, 3" and 2¾" oval dynamic, for good sound reproduction. Solid-state circuit comes on instantly, operates without producing damaging heat. Switchable AFC locks-in FM stations, prevents drift. FM circuit has four IF transformers; AM circuit has three IF transformers. Tone control. Lighted slide-rule dial. Handsome walnut-finished wood cabinet with chrome trim. 5x11½x4¼". 117 VAC. Japan.

10 C 4209 S. Shpg. wt., 4½ lbs. \$5 Monthly..... 24.95

## E Compact Solid-State FM-AM Table Radio

Here's a real value! Solid-state FM-AM radio with trim, slim styling and good monaural sound. AFC prevents FM drift. Automatic gain control smooths out variations in signal strength. Three IF transformers on FM, 2 IF transformers on AM for good reception. 3" speaker. Walnut-finish wood cabinet. 6½x5x2½". U.L. Listed. For 117 VAC. Japan. 2 lbs.

10 C 4218 S..... 17.95

Compact AM Table Radio. Above, but AM only. 10 C 4220 S. Shpg. wt., 2 lbs..... 11.95



**Hitachi Stereo FM-AM Portable with AC Adapter**

**\$69<sup>95</sup>** \$5 monthly

You don't have to stay home to enjoy stereo FM. This stereo FM-AM portable operates on batteries or with AC adapter. Two detachable 4" speakers separate for full stereo effect—fold behind cabinet for carrying. 800-mW peak music power. Stereo indicator light, AFC, tone control. Weighs less than 5 lbs. including batteries. Earphone jack for each channel. Output for use as FM tuner (with external amplifier). 17 transistors. Built-in AM, telescoping FM antennas. Leather-covered. 5½x9¾x3¾" (closed). With 117 VAC adapter, four "C" batteries, two earphones. Japan. Shpg. wt., 6 lbs.

- 10 C 4118 S. \$5 Monthly..... 69.95
- 18 C 5078. Extra "C" Batteries. Uses 4. Wt., 6 oz..... 2/33¢





**(A)**

Stereo FM-AM  
3-Pc. Ensemble

**\$99<sup>95</sup>**

\$5 monthly

**Panasonic**  
Compact Stereo  
FM-AM Ensemble  
Elegantly Styled in  
Oiled Walnut Wood



Record changer optional



**(B)**

Stereo FM/AM-SW  
with Tape Player

**\$169<sup>95</sup>**

\$9 monthly

**Stereo FM/AM-SW**  
Radio with Stereo  
8-Track Tape  
Cartridge Player



Record changer optional



**(D)** FM-AM Radio  
with Two Speakers

**\$24<sup>95</sup>**

\$5 monthly



**(C)**

Stereo FM-AM  
3-Pc. Ensemble

**\$89<sup>95</sup>**

\$5 monthly

**Stereo FM-AM**  
Radio in Walnut-  
Finish Wood Cabinets

Record changer  
optional



**(E)**

Compact,  
Handsome  
FM-AM Radio

**\$17<sup>95</sup>**

A Small Monthly Payment Brings You Anything Allied Sells

**ALLIED 121**

# New! Solid-State Stereo Combinations



**\$199<sup>95</sup>**

\$10 monthly

## Delmonico Solid-State Stereo FM-AM-Phono Console with Built-In 8-Track Stereo Tape Cartridge Player

- Full-Feature Stereo FM-AM Radio with AFC Circuit
- 4-Speed Automatic-Intermix Stereo Record Changer
- Separate Bass and Treble Controls • Four Speakers
- 4-Watt Output Power • Oiled Walnut Cabinet

Exciting new console packs more "entertainment power" for its size than any model we've ever offered. Surprising low price, too. Radio pulls in full-fidelity FM-stereo, and AM. Switchable AFC prevents FM drift. Vernier slide-rule tuning, stereo indicator light, built-in FM-AM antennas. Control panel has bass and treble controls, balance control, input selector. Built-in FM-AM antennas.

Record changer plays all 4 speeds, mixes different size records of same speed, has automatic shut-off. Dual synthetic-sapphire needles play any record, stereo or mono. Includes automatic 45-rpm adapter. Tape player features easy drop-in cartridge loading, no threading or rewinding; channel indicator light. Plays all 8-track cartridges at 3 $\frac{3}{4}$  ips for excellent fidelity. 40 semiconductors including 24 transistors. Two 6" speakers, two 2 $\frac{1}{2}$ " speakers. Remote-speaker terminals. Oiled walnut cabinet. 26 $\frac{1}{2}$ x27 $\frac{3}{4}$ x14 $\frac{1}{4}$ ". For 117 VAC. Express from N.Y.C. Shpg. wt., 63 lbs.

10 C 4592 ZF. No C.O.D. Orders. . . . . 199.95

**\$249<sup>95</sup>**

\$13 monthly



## General Electric Three-Piece 30-Watt Solid-State Stereo FM-AM Phonograph

- 3-Way Speaker Systems Have Two 6-inch Woofers, Two 3-inch Tweeters and Two 3000-Hz Horns
- Walnut Veneers • Equipped for Porta-Fi, Below

Matched 3-piece ensemble for superb stereo. Radio has stereo indicator light, slide-rule dial, vernier tuning. 4-speed changer has 11" turntable, ceramic stereo cartridge, adj. needle pressure. Bass, treble controls. Stereo headphone jack, aux. inputs. Dust cover. FM-AM antennas. Main unit, 9 $\frac{3}{4}$ x22 $\frac{1}{2}$ x14 $\frac{1}{2}$ ". Speakers, 8 $\frac{3}{4}$ x9x11 $\frac{1}{4}$ ". 117 VAC.

10 C 4599 U. Wt., 45 lbs. \$13 Monthly. . . . . 249.95

10 C 4288 U. Porta-Fi Transmitter/Receiver-Speaker. (Not illus.) Transmitter (walnut cabinet, 4 $\frac{1}{2}$ x12 $\frac{1}{2}$ x15") plugs into above, sends music to all AC outlets in your home. Receiver-Speaker (walnut vinyl, 10 $\frac{1}{2}$ x15 $\frac{1}{2}$ x4") plugs into any AC outlet, reproduces music from main unit. 15 lbs. . . . . 79.95

10 C 4778U. Extra Receiver-Speaker. 11 lbs. Ea. 34.95



**\$149<sup>95</sup>**

\$8 monthly

## Panasonic One-Piece Solid-State Stereo FM-AM Phono Combination

Tastefully styled stereo fits anywhere in its distinctive walnut wood cabinet. Delivers 8-watts peak power into two 5" dynamic PM speakers. Solid-state FM-AM receiver has stereo eye, FM-stereo-only switch, lighted slide-rule dial, vernier tuning, AFC. Four-speed automatic changer has ceramic cartridge with dual synthetic-sapphire needles. Tone, balance controls. Built-in FM, AM antennas. 15 $\frac{1}{2}$ x30x9 $\frac{1}{8}$ ". 2 speaker jacks. U.L. Listed. 117 VAC. Japan. Wt., 48 lbs.

10 C 4504 U. \$8 Monthly. . . . . 149.95

## Stereo Phono with Monaural FM-AM

As above, looks great anywhere. Plays stereo and monaural phono, monaural FM-AM. 4-watt peak power output. Four-speed automatic changer, dual synthetic-sapphire needles. Two 5" speakers. 8 $\frac{3}{4}$ x27 $\frac{1}{2}$ x12 $\frac{3}{4}$ ". 117 VAC. Japan. Wt., 35 lbs.

10 C 4229 U. \$6 Monthly. . . . . 109.95

Monaural FM-AM  
—Stereo Phono **\$109<sup>95</sup>**



# New! Telex-Phonola Solid-State Stereo Consoles



## Stereo FM-AM Credenzas with Garrard Changer

Mediterranean Style  
in Rich Oak Finish  
... 42" Wide

Your  
Choice

**\$219<sup>95</sup>**

**\$11**  
monthly

Contemporary Style in Oiled Walnut . . . 42" Wide



Beautiful furniture craftsmanship, latest design. Stereo FM-AM receiver has tuning, bass, treble, balance, loudness, selector controls; FM stereo indicator. Two 8", two 4" speakers. Changer has 11" platter; adjustable low-mass tubular pickup arm, ceramic cartridge with diamond needle, 45 rpm spindle. Ext. spkr. jacks. Mediterranean styled in oak. 28x42x17 $\frac{1}{2}$ ". U.L. Listed. 117 VAC. Exp. from Rochester, Minn. 75 lbs.  
10 C 4522 ZF. No C.O.D. Orders. \$11 Monthly .219.95  
10 C 4551 ZF. Contemporary Walnut Console. . . . 219.95

### A Colonial Stereo FM-AM-Phono Console

Striking slim-line styling. FM-AM receiver has slide-rule tuning, mode selector, balance, bass/treble, AFC, dual loudness controls; mode beacon lights. Two 8", two 4" acoustically-tuned speakers. 4-speed automatic changer has 11" platter; ceramic cartridge with diamond needle, 45 rpm spindle. Tape input jacks; ext. spkr. jacks. Maple solids and veneers. 28x44x15 $\frac{1}{2}$ ". U.L. Listed. 117 VAC. Exp. from Rochester, Minn.  
10 C 4526 ZF. 50 lbs. No C.O.D. Orders. \$9 Mo. 179.95



**\$179<sup>95</sup>**  
\$9 monthly

### B Traditional Stereo FM-AM-Phono Console

Classical design, adapts to any room. Two balanced 8" speakers. Receiver has slide-rule tuning, dual-channel loudness, selector, balance, AFC, bass, treble controls; FM stereo signal light. Changer has ceramic cartridge with diamond needle, 45 rpm spindle. FM-AM antenna. Record storage. Walnut cabinet, 26 $\frac{3}{4}$ x48x16 $\frac{1}{4}$ ". U.L. Listed. 117 VAC. Exp. from Rochester, Minn.  
10 C 4538 ZF. 75 lbs. No C.O.D. Orders. \$9 Mo. 169.95



44" Wide

48" Wide

**\$169<sup>95</sup>** \$9 monthly

### C Compact Big-Sound Stereo Phono Console with Handsome Oiled Walnut Finish

A real value, fits anywhere. 4-speed automatic record changer has low-mass tubular pickup arm, ceramic cartridge with diamond needle, 45 rpm adapter. Two 8" speakers for clean bass, crisp highs. Controls: left and right channel volume, tone, stereo separation. Record storage space. Walnut finished. 26 $\frac{3}{4}$ x36x16 $\frac{1}{4}$ ". U.L. Listed. 117 VAC. Exp. from Rochester, Minn.  
10 C 4556 ZF. 50 lbs. No C.O.D. Orders. \$5 Mo. 99.95



**\$99<sup>95</sup>**  
\$5 monthly

36" Wide

### D Compact Stereo FM-AM-Phono Console

Outstanding features—remarkable low price! FM-AM receiver has tuning, tone, dual volume, balance, stereo separation controls. 4-speed automatic changer has ceramic cartridge with diamond needle, 45 rpm spindle. Two 8" speakers. Record storage. Built-in FM-AM antenna. Walnut finished. 26 $\frac{3}{4}$ x36x16 $\frac{1}{4}$ ". U.L. Listed. 117 VAC. Exp. from Rochester, Minn.  
10 C 4572 ZF. 65 lbs. No C.O.D. Orders. \$7 Mo. 139.95

**\$139<sup>95</sup>**  
\$7 monthly

D

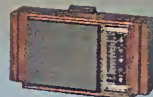
36" Wide

Own a New Stereo Console Now—Use Your Allied Credit Fund Account

ALLIED 123



# New Solid-State Stereos



Our Finest Stereo  
FM-AM Portable

**\$179<sup>95</sup>**

\$9 monthly

(A)



Portable Stereo FM-AM-Phono,  
Drop-Down Changer

**\$149<sup>95</sup>**

\$8 monthly

(B)



40-Watt Peak Stereo  
Phono Features  
Unique Styling

**\$129<sup>95</sup>**

\$7 monthly

(C)



Feature-Pocked  
Stereo Portable in  
Luggage-Style Case

**\$99<sup>95</sup>**

\$5 monthly

(D)



Compact Stereo  
Phono with Drop-Down  
Automatic Changer

**\$79<sup>95</sup>**

\$5 monthly

(E)



Compact Stereo With  
Split-Lid Speakers

**\$59<sup>95</sup>**

\$5 monthly

(F)





# Telex-Phonola Stereos

## A Our Best Stereo Phono with Stereo FM-AM Radio

This first-rate stereo phono with stereo FM-AM radio is fully solid-state and features unique ultramodern styling. Changer and radio swivel—phono plays horizontally, radio operates in 3 positions. Gives you true-to-life stereo FM, excellent AM. AFC. Slide-rule dial. Stereo indicator light. 40-watt peak music power output. Quality four-speed automatic changer boasts low-mass tubular pickup arm, large 11" platter, diamond stylus, 45-rpm spindle adapter. Automatic shutoff and automatic intermix. Detachable speaker enclosures each have 8" woofer and 4" tweeter for rich, wide-range sound. Speakers separate up to 24", close to form cover. Separate bass and treble, balance, dual channel loudness controls. Walnut-grained wood cabinets. Phono/radio, 14x22½x7". Speakers, 14x11x4¼". U.L. 120 VAC. 10 C 4040 U. Shpg. wt., 45 lbs. \$9 Monthly..... 179.95

## B Quality Stereo Phono with Stereo FM-AM Radio

Value-packed solid-state stereo phono-radio offers fine performance at a reasonable price. AFC prevents drift. Slide-rule dial. Drop-down four-speed changer with light-tracking low-mass tubular arm, automatic intermix, 11" platter, automatic shutoff and diamond stylus. With 45-rpm spindle. Wide-range 6¼" speakers in detachable enclosures separate up to 24", attach to sides for carrying. Controls: tuning, mode, balance, bass/treble, dual loudness, AFC, mode beacon lights. Teak vinyl-covered wood cabinet, 14½x23x7". U.L. Listed. 120 VAC. 35 lbs. 10 C 4048 U. \$8 Monthly..... 149.95

## C Dramatically-Styled Solid-State Stereo Phono

Top-performing portable stereo phono looks like a handsome cabinet when closed. Open, the changer and amplifier swing out for use. Detachable speakers separate up to 24-ft. for maximum stereo effect. Each enclosure contains 8" woofer and 4" tweeter for wide-range sound. Precision four-speed stereo changer features low-mass tubular pickup arm, diamond stylus and automatic shutoff. Automatic intermix. With 45-rpm spindle. Solid-state amplifier delivers 40-watt peak power output. Dual loudness, individual bass and treble, balance. Finished in walnut-grained vinyl-covered wood. Phono/radio, 14x22x7¼". Speakers, 14x11x4½". U.L. Listed. For 120 VAC. Shpg. wt., 48 lbs. 10 C 4004 U. \$7 Monthly..... 129.95

## D Fine Quality Stereo in Formed Wood Cabinet

Luggage-look portable features a precision four-speed automatic changer with low-mass tubular pickup arm and diamond stylus. Automatic intermix of different size records at the same speed. Big 11" turntable. Automatic shutoff. Includes 45-rpm spindle. Two 8" speakers mounted in detachable wing enclosures each have 12-feet of cable for wide stereo separation. Dual volume, individual bass and treble, balance controls. Attractive vinylette covered wood cabinet, 14½x29(open)x10¼". U.L. Listed. For 120 VAC. Shpg. wt., 37 lbs. 10 C 4009 U. \$5 Monthly..... 99.95

## E Custom-Styled Portable 4-Speed Stereo Phono

Good-quality portable offers a winning combination of style and sound. Solid-state stereo amplifier comes on instantly, delivers clear, vibrant sound. Drop-down four-speed automatic changer features a light-tracking low-mass tubular pickup arm. Large 11" platter. With 45-rpm spindle. The removable speaker enclosures each with 6" speaker separate up to 24". Separate volume for each channel, dual tone controls. Wood-grain teak and black vinyl finish. 17½x15½x10". U.L. 120 VAC. 10 C 4010 U. Shpg. wt., 28 lbs. \$5 Monthly..... 79.95

## F Compact Solid-State Portable Stereo Phono

Great for teenagers! Easy-to-carry portable boasts slimline styling with modern split-lid design. Matched 4" speakers in lid separate to 20 feet for stereo. Solid-state stereo amplifier. Four-speed automatic changer has low-mass tubular pickup arm with jam-proof mechanism. Shuts off automatically after last record has played. 45-rpm spindle included. Separate-channel volume, dual tone controls. Wood cabinet with wood-grain vinyl and off-white pebble vinyl covering. 9½x18¼x13". 120 VAC. U.L. 20 lbs. 10 C 4064 U. \$5 Monthly..... 59.95



## G.E. "Mustang" Solid-State Stereo

Lightweight, sturdy, portable. Two detachable 5¼" wing speakers separate up to 12'. Four-speed changer with stereo crystal cartridge, dual synthetic sapphire styli. Continuous replay of last record or automatic shutoff. Selector for up to 6 12", 10" or 7" records. Separate-channel volume, bass/treble tone controls. 45-rpm adapter. Black polystyrene case. 19½x12x7½". U.L. Listed. 120 VAC. 16 lbs. 10 C 4527 U. \$5 Monthly..... 54.95

**\$54.95**  
New Low Price  
\$5 monthly



## Solid-State Stereo in Wood Cabinet

Popular-priced stereo phono has a drop-down four-speed changer, plays 6 records, 12", 10" or 7". Jam-proof. Automatic shutoff. 45-rpm spindle. Detachable 4" speakers separate to 20-ft. Dual tone control. Gray vinylette covered wood VAC. U.L. Listed. Shpg. wt., 20 lbs. 10 C 4094 U. \$5 Monthly..... 49.95

**\$49.95**  
\$5 monthly

New Low Price

**\$44.95**  
\$5 monthly



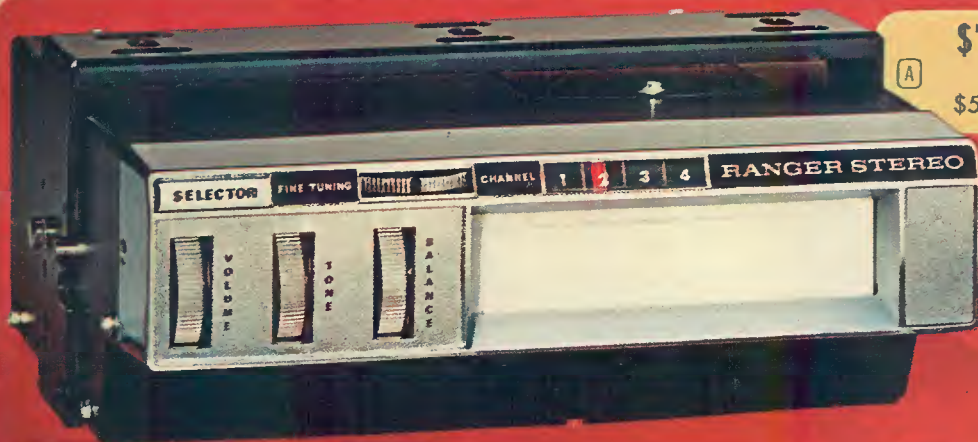
## G.E. "Wildcat" Solid-State Stereo Phono

Budget-priced portable has drop-down 4-speed auto. changer, plays 6 records—12", 10", or 7". Crystal cartridge, dual synthetic sapphire styli. 45-rpm spindle. 2 matched 6" oval speakers. Automatic shutoff. Separate-channel volume, tone control. U.L. Listed. Polystyrene case. 14x22x7¼". 120 VAC. Shpg. wt., 16 lbs. 10 C 4507 U. \$5 Monthly..... 44.95

A Small Monthly Payment Brings You Anything Allied Sells

ALLIED 125

# Enjoy the Thrilling Sound and Convenience of . . .

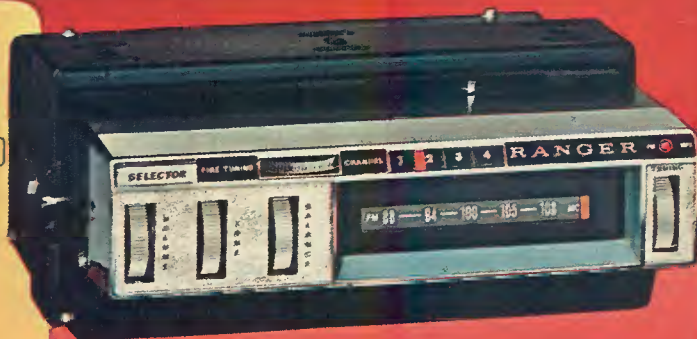


**\$79<sup>95</sup>**  
\$5 monthly



**Bonus with Player/FM**  
**Save \$15.00** Our Best  
Speakers

With Speakers	Player Alone
<b>\$129<sup>95</sup></b>	<b>\$119<sup>95</sup></b>
\$7 monthly	\$6 monthly



## A 4- and 8-Track Stereo Tape Player

Ranger Model RR-42. Deluxe car tape player plays all 4- and 8-track stereo tape cartridges with true-to-life realism. Features: fully automatic operation; new non-protruding thumbwheel control knobs for safe, convenient use. Has 20-watt solid-state stereo amplifier; volume, balance, tone controls; illuminated channel selector. Fine-tuning control assures full channel separation—eliminates crosstalk even on worn cartridges. Response, 50-10,000 Hz. Handsomely styled metal case, 2 $\frac{7}{8}$ x7 $\frac{1}{8}$ x8". With mobile mounting bracket. Less speakers. For 12 VDC positive or negative ground. Japan.  
19 C 4575 X. Shpg. wt., 12 lbs. \$5 Monthly. . . . . 79.95

## B Tape Player/FM Radio with Speaker Bonus

Ranger Model RR-60. Money-saving bonus on 4- and 8-track car stereo tape player/FM radio and speakers. Player features safe thumbwheel controls; slide-rule FM dial that flips back to accept cartridge; automatic operation. 20-watt solid-state stereo amplifier. Monaural FM converts to stereo with adapter below. Response: tape, 50-10,000 Hz; FM, 50-15,000 Hz. 2 $\frac{7}{8}$ x7 $\frac{1}{8}$ x8". With four 5 $\frac{1}{4}$ " round coaxial speakers, chrome grilles. 12 VDC negative ground. Mounting bracket. 19 lbs. Japan.  
19 C 0039 13U. RR-60 with 5 Speakers. \$7 Monthly. . . . . 129.95  
19 C 4576 U. RR-60 Alone. Shpg. wt., 13 lbs. . . . . 119.95  
19 C 4434. Stereo FM Adapter for Above. 3 lbs. . . . . 29.95



**\$79<sup>95</sup>**

## Compact 4- and 8-Track Player

\$5 monthly

Designed Especially For Use  
Where Space is A Problem

Ranger Model RR-59. Mini tape player fits in the smallest places, but performs with the big ones! Fully automatic 4- and 8-track operation; 20-watt solid-state stereo amplifier; Easy-to-use thumbwheel controls; fine-tuning; lighted channel indicator. 50-10,000 Hz. 3x5x6 $\frac{1}{8}$ ". Universal bracket. Less speakers. 12 VDC neg. gnd. Japan.  
19 C 4577 X. Shpg. wt., 10 lbs. \$5 Monthly. . . . . 79.95



# Stereo Tape and FM Music in Your Car

**\$59<sup>95</sup>**

\$5 monthly



## Compact 4\*/8-Track Tape Player

Automatic Radio. Features 8-watt solid-state amplifier; automatic operation; \*Gidget adapter for 4-track tapes (included). Volume, tone, separation controls. 80-12,000 Hz. 2 1/2 x 6 x 6 1/4". Mobile mounting bracket. Order speakers from page 130. 12 VDC negative ground. Japan. Shpg. wt., 10 lbs.  
19 C 4267 X. \$5 Monthly.....**59.95**



With Speakers  
**\$89<sup>95</sup>**

Player Alone  
**\$79<sup>95</sup>**

Save  
**\$15.00**  
With Our  
Best Speakers



## 4\*/8-Track Stereo Tape Player with Speaker Bonus

Automatic Radio Model SCE-6804. Plays standard 8-track cartridges; 4-track cartridges with \*Gidget adapter (included); accepts AM or FM-stereo tuner cartridges below. Automatic operation; safe thumbwheel controls; 8-watt solid-state stereo amplifier. 50-15,000 Hz. Four 5 1/4" round coax speakers with tweeter, chrome grille. 2x7x8". With mobile mounting bracket. Japan.  
19 C 0040 I3U. Player with Speakers. Wt., 13 lbs. \$5 Monthly..... **89.95**  
19 C 4598 X. SCE-6804 Player Alone. Shpg. wt., 10 lbs.....**79.95**

## Convertible Home/Car Player

Automatic Radio Model GES-8111. Versatile 4\*/8-track stereo tape player for car or boat; converts instantly to handsomely styled home player (with AC adapter below). Plays 8-track stereo cartridges; 4-track cartridges with \*Gidget adapter (included).

Features automatic operation; 8-watt solid-state stereo amplifier. Has new safety-type thumbwheel controls (Volume, Tone, Left-Right and Front-Rear Balance). Channel selector button; back-lighted channel indicator. Response, 50-15,000 Hz.

Special "slip-out" mounting bracket for instant conversion to home use. With four hi-fi auto speakers; chrome grilles; bracket with lock and key. Handsome walnut-finish case, 3 3/4 x 8 1/2 x 8". 12 VDC negative ground.  
19 C 4019 U. Shpg. wt., 13 lbs. \$5 Monthly..... **109.95**  
19 C 4250. 117 VAC Adapter. 4 lbs. **27.95**  
19 C 4003. Car Floor Mount. 5 lbs. **8.95**



**\$109<sup>95</sup>**

less tuner,  
AC adapter  
**\$6 monthly**



## Radio Cartridges For Above

FM-Stereo Tuner Cartridge. Instantly converts all tape players on this page to great-sounding stereo-FM radio. Solid-state, slide-rule dial. Wt., 1 1/2 lbs.  
19 C 4599 S. \$5 Monthly..... **59.95**  
AM Tuner Cartridge. Converts players above to AM radio. 1 lb.  
19 C 4246 S. \$5 Monthly..... **24.95**



**\$24<sup>95</sup>**  
\$5 monthly  
AM  
Cartridge



**\$59<sup>95</sup>**  
\$5 monthly  
FM-Stereo Cartridge

Buy Your Tape Player Today—Use Allied's Credit Fund Plan

ALLIED 127





Automatic Radio **\$49<sup>95</sup>**

**Compact 8-Track Car Stereo Tape Player**

Model SEA. Budget-priced stereo tape player for car or boat. Plays all standard 8-track stereo cartridges with outstanding fidelity. 7-watt solid-state stereo amplifier; Volume, Tone, Balance controls. Compact case, 10x9 $\frac{1}{2}$ x7 $\frac{1}{2}$ " 50-8000 Hz. 12 VDC neg. gnd. Less speakers. Japan. 19 C 4054 X. Shpg. wt., 7 lbs. \$5 Monthly..... 49.95



Automatic Radio **\$89<sup>95</sup>**

**Slim-Line 4\*/8-Track Car Stereo Tape Player**

Model CET. Deluxe, slimline-styled 4\*/8-track tape player (plays 4 track with \*gidget, included). Features: 8-watt solid-state stereo amplifier; lighted channel indicator. Response, 50-15,000 Hz. Volume, Tone, Balance. 2 $\frac{1}{2}$ x6 $\frac{1}{4}$ x6". Mtg. bracket. 12 VDC neg. gnd. Less speakers. 19 C 4578 X. Japan. Wt., 11 lbs. \$5 Monthly..... 89.95



Ranger  
**\$39<sup>95</sup>**

**"Mini" 4-Track Car Stereo Tape Player**

Designed for use where space is a problem. Has 8-watt solid-state stereo amplifier; fine tuning control; lighted channel selector. Volume, Balance, Tone controls. 50-10,000 Hz. 3x5x6 $\frac{1}{8}$ ". With mounting bracket. 12 VDC negative ground. Less speakers. From Japan. Wt., 8 lbs. 19 C 4002. \$5 Monthly..... 39.95

**A ALLIED Deluxe Solid-State Car Stereo Reverberation System**

Adds a thrilling new dimension of sound to any car stereo tape player or stereo-FM radio—inparts a pleasing "stereo effect" to mono broadcasts. Mixes the sound from each stereo channel and delays it through the rear speaker. Fills that hole-in-the-middle with reverberation. Infinite control selections; front panel operation; solid-state circuit. Has volume, balance, Reverb controls—pilot lights for "On" and "Stereo." Handsomely styled cast front panel, grained chrome with polished chrome edges. Mounts easily under dash. 1 $\frac{3}{4}$ x8x5 $\frac{3}{4}$ ". With 6" round speaker on 6x9" adapter board, chrome grille. 12 VDC.

19 C 4579. Shpg. wt., 6 lbs. \$5 Monthly..... 29.95  
19 C 4133. Reverb less speaker. 5 lbs..... 28.95

**B 4- and 8-Track Car Stereo Tape Player**

Automatic Radio Model CFE. Versatile car stereo tape player—automatically plays all 4- and 8-track stereo cartridges. Automatic operation—insert tape cartridge to begin play—depress "Off" button to eject cartridge. Automatic or manual channel selection. Has 10-watt solid-state stereo amplifier; Volume, Tone, Separation controls; lighted channel indicator. Response, 50-15,000 Hz. Handsome metal case, 14x11 $\frac{1}{2}$ x7 $\frac{1}{2}$ ". With bracket for easy under dash installation. 12 VDC negative ground. Less speakers. Japan.

19 C 4055 X. Shpg. wt., 11 lbs. \$5 Monthly.... 79.95

**C "Mini" 8-Track Car Stereo Tape Player**

Ranger Model RR-45T. Offers exceptional hi-fi sound and distinctive styling. Handsome, compact case, designed for mounting where space is a problem. Has 10-watt solid-state stereo amplifier; illuminated channel selector switch; automatic electronic channel transfer. Special fine-tuning control eliminates crosstalk—assures full channel separation even on worn and defective tapes. Has Balance, Dual-channel Volume and Tone controls. 50-10,000 Hz. 3x5x6 $\frac{1}{8}$ ". With mounting bracket. 12 VDC neg. ground. Less speakers. Japan.

19 C 4053 X. Shpg. wt., 9 lbs. \$5 Monthly..... 59.95

**D Deluxe 8-Track Car Stereo Tape Player**

Gibbs (Division of Hammond Organ) Model CR-630. Deluxe 8-track tape player boasts automatic operation; 12-watt solid-state stereo amplifier; black leatherette case with brushed chrome trim. Plays all standard 8-track stereo tapes with excellent fidelity. Has track indicator lights; volume, tone balance controls; manual channel selector. Response, 70-10,000 Hz. Wow and flutter, less than 0.3%. 8 $\frac{3}{4}$ x8x3 $\frac{1}{8}$ ". With mtg. bracket. 12 VDC negative ground. Less speakers. Japan.

19 C 4056 X. Shpg. wt., 11 lbs. \$5 Monthly..... 69.95

**E 8-Track Car Player/Stereo-FM Radio**

Gibbs Model CR-627. Same fine features as Model CR-630 above, but with built-in stereo-FM radio. FM-stereo channel separation, 25 dB. S/N ratio, 30 dB. Has function switches for FM-only; FM/MPX; FM/AFC. Power and MPX indicator lights; illuminated slide-rule tuning dial. 8 $\frac{3}{4}$ x8x3 $\frac{1}{8}$ ". For 12 VDC negative ground. Less speakers. Japan.

19 C 4057 U. Shpg. wt., 13 lbs. \$8 Monthly.... 159.95

**F 8-Track Car Stereo Tape Player**

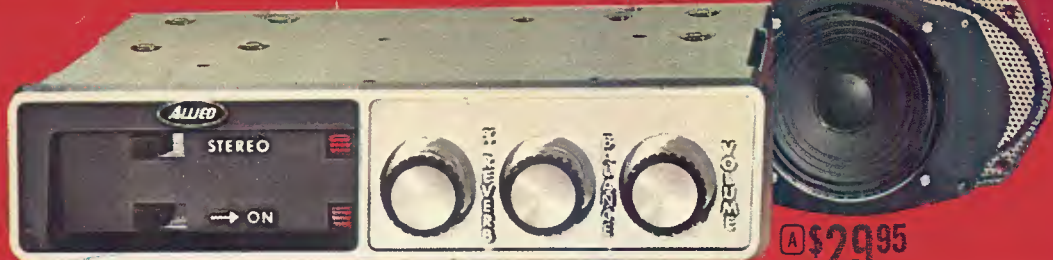
Panasonic Model CX-807 U. Boasts smart styling; full-fidelity reproduction. 8-watt solid-state stereo amplifier; fully automatic operation; automatic and manual channel selection. Volume, Tone, Balance controls; lighted channel indicator. Response, 70-10,000 Hz. 3 $\frac{1}{16}$ x8 $\frac{1}{4}$ x8 $\frac{1}{8}$ ". Black and chrome. Order tuner cartridges, speakers below. 12 VDC neg. gnd. Japan. 19 C 4545 U. Shpg. wt., 18 lbs. \$5 Monthly..... 99.95

19 C 4546 S. Stereo-FM Tuner Cartridge. For CX-807U only. Automatic mono-stereo switching, stereo indicator light. Inserts like cartridge. Japan. Wt., 5 lbs. . 59.95

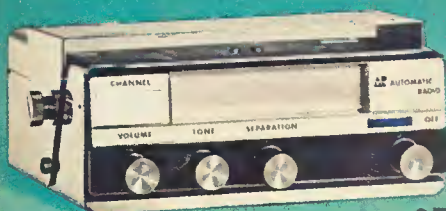
19 C 4547 S. AM Tuner Cortridge. Converts CX-807U to AM radio. Japan. Shpg. wt., 5 lbs. .... 29.95

19 C 4548. Sterea Speakers. Wide-range 5" hi-fi speakers. Black, chrome. Japan. Wt., 4 lbs. .... Per Pair 9.95





**A** \$29.95



**B** \$79.95



**C** \$59.95



**D** \$69.95



**E** \$159.95



Works with  
4-or 8-Track  
Car Stereo  
Tape Player

FM-Stereo

**\$59.95**

**GW Universal Tuner Cartridges**

- Add Stereo-FM or Mono FM-AM to Your Present Car Stereo Tape Player

Plug-in solid-state stereo-FM tuner cartridge instantly equips your 4- or 8-track stereo tape player to receiver stereo FM or monaural FM radio. Simply insert tuner cartridge as you would a tape. Front panel antenna connector; illuminated dial, stereo indicator light. 1x4 1/2 x 7 1/2". With batteries, antenna connector cable. Japan. *Not for Philips-type players.*

- 19 C 4052 S. Stereo FM. 3 lbs. \$5 Monthly. \$59.95
- 19 C 4051 S. Mono FM Cartridge. 3 lbs. . . . . \$29.95
- 19 C 4580 S. Mono FM-AM Cartridge. 3 lbs. . \$39.95



**F**



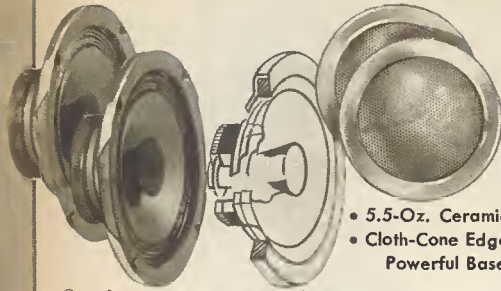
Tape Player **\$99.95**

Converts Model CX-807U to Stereo-FM Radio

Stereo FM Tuner Cartridge **\$59.95**

# Values in Car Stereo Speakers and Tape Players

## Our Finest Car Stereo Speakers

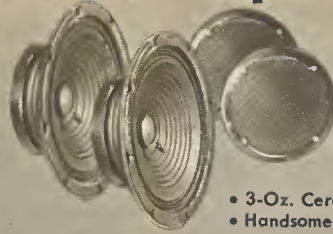


**\$12.50**

Per Pair

- 5.5-Oz. Ceramic Magnet
- Cloth-Cone Edges for More Powerful Base Response

Our best car stereo speaker system features 5 1/4" round speakers with 5.5-oz. ceramic magnet for full-range response. Special cloth-cone edges for full-throated bass. Can be mounted in car doors without removing panels; snap-in construction eliminates visible mounting screws. Husky, polished-chrome grilles have built-in louvres. Speakers have 10-watt power capacity. Impedance, 4-8 ohms. 2 speakers, 2 grilles, hardware, instructions. 19 C 4119. Shpg. wt., 4 lbs. .... Per Pair 12.50

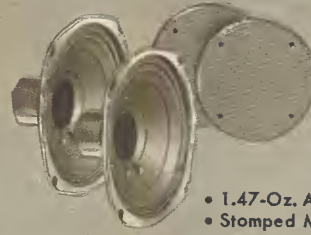


## Deluxe Car Stereo Speakers

Per **\$7.98**  
Pair

- 3-Oz. Ceramic Magnet
- Handsome Plastic Grilles

Deluxe car stereo speaker outfit for great sound from tapes and radio. 5" speakers have 3-oz. ceramic magnet; handle 8 watts per speaker. Speakers mount easily in car doors without removing door panels, 4-8 ohms. With 2 speakers, plastic grilles, mounting hardware, instructions. 19 C 4120. Shpg. wt., 3 lbs. .... Per Pair 7.98



## Value-Priced Car Stereo Speakers

Per **\$4.98**  
Pair

- 1.47-Oz. Alnico V Magnet
- Stamped Metal Grilles

Offer good sound at a low, low price. 5" round speakers have Alnico V 1.2-oz. magnet; 5 watt capacity. Stamped metal grilles may be painted to match car interior. 4-8 ohms. With 2 speakers, grilles, hardware, instructions. 19 C 4182. Shpg. wt., 2 1/2 lbs. .... Per Pair 4.98



## "Instant-Mount" Speakers

High-quality 5 1/4" speakers for use with car stereo systems. Low-profile enclosures mount anywhere—no cutting or fitting necessary. Delivers wide-range sound. Enclosures, 7 1/2 x 7 1/2", tapered 3" to 1 1/4". Shpg. wt., 4 lbs. 19 C 4259 X. .... Per Pair 7.95

Per **\$7.95**  
Pair



**AIWA**  
**\$119.95**  
\$6 monthly

## Cassette Car Tape Player/Recorder System

Versatile new solid-state unit plays ultracompact Philips-type stereo cassettes, also records 2-track mono on blank cassettes—in your car. "Starr System" loading; insert cassette to play, cassette ejects and unit shuts off automatically at end of tape. Pushbutton controls for Record, Fast Forward, Rewind, and Stop (eject). Volume and tone controls. With 2 speakers, microphone, remote on-off switch for in-car recording. 12 VDC neg. gnd. 19 C 4121 U. Wt., 8 lbs. Japan. \$6 Monthly. .... 119.95



**AUTOMATIC**  
**RADIO**  
**\$99.95**  
\$5 monthly

## Solid-State Cassette Stereo Car Tape Player

Deluxe new car stereo player—plays the ultracompact Philips-type cassettes. Has "Starr System" automatic operation; Fast Forward and Reverse controls; flush-front panel design conforming to new auto safety standards. Has Tone, Volume and Fader controls. Response, 100-10,000 Hz. Cassette cannot be stolen or removed with ignition "off" and key removed. With two round 5" speakers and grilles. 2 5/8 x 6 3/4 x 7". 12 VDC neg. gnd. 19 C 4116. U. Wt., 10 lbs. Japan. \$5 Monthly. .... 99.95



**AUTOMATIC**  
**RADIO**  
**\$39.95**  
\$5 monthly

## Universal Radio-Pak FM Cartridge Tuner

Instantly converts any 8-track stereo tape cartridge player into a hi-fi FM radio tuner. Just insert this solid-state tuner cartridge as you would a tape; attach to radio antenna. AFC prevents drift. Slide-rule dial; illuminated station panel; easy finger-edge tuning. Jet black, high-impact case, 6 1/2 x 3 3/8 x 1 1/2". With cable for connection to auto antenna—no rewiring necessary. (Not for Philips-type cassette players.) Japan. 19 C 4550 S. Shpg. wt., 1 lb. \$5 Monthly. .... 39.95



**Cleans, Polishes**  
**\$1.95**

**RCA Head-Cleaning Tape Cartridge.** Insert in player like regular cartridge. Tape moves across heads to remove oxides and oil. For 8/4 or 8-track models only. 19 C 4269. Shpg. wt., 4 oz. .... 1.95



**"Gidget" Adapter**  
**\$2.98**

**"Gidget" 4-Track Cartridge Adapter.** Lets you play standard 4-track cartridges on 8-track-only players. Simple insertion and removal from 4-track cartridges. 19 C 4551. Shpg. wt., 4 oz. .... 2.98



**Protects System**  
**\$9.95**

**Stereo Car Tape System Burglar Alarm.** Protects 12-V stereo car tape system. "Squealer" connects easily, provides loud horn-alarm if tape unit is tampered with. 19 C 4117. Shpg. wt., 10 oz. .... 9.95



# Cartridge Holder, 8-Track Stereo Cartridges

**Deluxe**  
4- or 8-Track  
Cartridge Holder



**\$5.95** Holds 10  
Cartridges

Ideal storage unit for 4- or 8-track cartridges. Keeps your tape library organized, keeps cartridges dust-free. Installs easily. Provides storage for up to 10 tape cartridges. Rugged plastic case, 13x5x6". Walnut vinyl top.  
19 C 4118 X. Shpg. wt., 2 lbs. . . . .5.95



**8-Track Stereo Tape Cartridges**  
Wide Selection by Famous Artists

Low As **\$5.89** \*Indicates Twin-Pack,  
Equal to two LP's

## 8-Track Stereo Tape Cartridges (Shpg. wt., 4 oz.)

### INSTRUMENTALS—EASY LISTENING

Stock No.	Title	Artist	EA.
19 C 4270 S	Loneley Bull	Tijuana Brass	5.89
19 C 4271 S	Whipped Cream and Others	Tijuana Brass	5.89
19 C 4272 S	What Now My Love	Tijuana Brass	5.89
19 C 4273 S	S. R. O.	Tijuana Brass	5.89
19 C 4390 S	Sounds Like the Tijuana Brass	Tijuana Brass	5.89
19 C 4473 S	Herb Alpert's 9th	Tijuana Brass	5.89
19 C 4474 S	Going Places	Tijuana Brass	5.89
19 C 4276 S	The Mantovani Sound	Mantovani	5.89
19 C 4475 S	Golden Hits	Mantovani	5.89
19 C 4476 S	Hollywood	Mantovani	5.89
19 C 4280 S	Pink Panther	H. Mancini	5.89
19 C 4281 S	Best of H. Mancini	H. Mancini	8.49
19 C 4392 S	*Dther Love Songs/Uniquely	H. Mancini	5.89
19 C 4100 S	Encore! More Concert Sound	H. Mancini	8.49
19 C 4282 S	*Movie Themes for Lovers Only	Jackie Gleason	8.49
19 C 4283 S	*Today's Romantic Hits 1 & II	Jackie Gleason	8.49
19 C 4284 S	*Lovers/Martins/Memories	Jackie Gleason	8.49
19 C 4062 S	*How Sweet It Is/Music Round the World	Jackie Gleason	8.49
19 C 4389 S	*Best of Kingston, Trio, 1 & 2	Kingston Trio	5.89
19 C 4061 S	Best of Kingston, Vol. 3	Kingston Trio	5.89
19 C 4285 S	Bye Bye Blues	Bert Kaempfert	5.89
19 C 4287 S	Taste of Honey	Pete Fountain	5.89
19 C 4289 S	Moon Dver Naples	Billy Vaughn	5.89
19 C 4477 S	The Best of Billy Vaughn	Billy Vaughn	5.89
19 C 4479 S	Saxational	Boots Randolph	5.89
19 C 4480 S	Boots with Strings	Boots Randolph	5.89
19 C 4481 S	Best of Al Hirt	Al Hirt	5.89
19 C 4095 S	Honey In The Horn	Al Hirt	8.49
19 C 4483 S	*Cotton Candy/Sugar Lips	Al Hirt	5.89
19 C 4094 S	Live at Carnegie Hall	Al Hirt	5.89
19 C 4097 S	The Happy Trumpet	Al Hirt	5.89
19 C 4098 S	Best of Al Hirt, Vol. 2	Al Hirt	5.89
19 C 4080 S	*A Man and His Soul	Ray Charles	8.49
19 C 4091 S	Love Rhapsodies	Midnight String Quartet	5.89
19 C 4092 S	Greatest Hits	Leonard Bernstein	5.89
19 C 4093 S	Greatest Hits	Eugene Ormandy	5.89
19 C 4050 S	*In London In Love/... Again	Norrie Paramor	8.49
19 C 4060 S	*Dripping, Dreaming/Sweetest Waltzes	Guy Lombardo	8.49
19 C 4484 S	Today's Themes	Percy Faith	5.89
19 C 4485 S	Guantanamera	The Sandpipers	5.89

### JAZZ

19 C 4293 S	Hang On Ramsey	Ramsey Lewis	5.89
19 C 4294 S	Wade In The Water	Ramsey Lewis	5.89
19 C 4296 S	Time Out	Dave Brubeck	5.89
19 C 4486 S	A Day in the Life	Wes Montgomery	5.89
19 C 4487 S	Best D	Wes Montgomery	5.89
19 C 4488 S	Respect	Jimmy Smith	5.89
19 C 4494 S	Swing In New Big Band	Buddy Rich	5.89

### SOUNDTRACKS

19 C 4297 S	Sound of Music	Original Track	5.89
19 C 4301 S	Dr. Zhivago	Original Track	5.89
19 C 4492 S	Born Free	Original Track	5.89
19 C 4110 S	Fistful of Dollars	Original Track	5.89
19 C 4111 S	A Man & A Woman	Original Track	5.89
19 C 4115 S	Good, Bad, & The Ugly	Original Track	5.89

### PIANO AND ORGAN

19 C 4404 S	Ebb Tide	Earl Grant	5.89
19 C 4307 S	*Concerto for My Love	George Shearing	8.49
19 C 4063 S	*New Look/Deep Velvet	George Shearing	8.49
19 C 4309 S	Autumn Leaves	Roger Williams	5.89
19 C 4495 S	Born Free	Roger Williams	5.89

### FEMALE VOCALS

Stock No.	Title	Artist	EACH
19 C 4333 S	The Very Best of Connie Francis	Connie Francis	5.89
19 C 4336 S	*Gentle is My Love	Nancy Wilson	8.49
19 C 4498 S	The Look of Love	Claudine Longet	5.89
19 C 4499 S	Country My Way	Nancy Sinatra	5.89
19 C 4500 S	Windows of the World	Dionne Warwick	5.89
19 C 4101 S	Golden Hits	Dionne Warwick	5.89
19 C 4103 S	Valley of the Dolls	Dionne Warwick	5.89
19 C 4102 S	Lady Soul	Aretha Franklin	5.89
19 C 4104 S	Dther Man's Grass	Petula Clark	5.89

### MALE VOCALS

19 C 4316 S	*Rambling Rose/Lonely Hearts	Nat King Cole	8.49
19 C 4066 S	*Untorgetable Nat Cole/The Very Thought of You	Nat King Cole	8.49
19 C 4067 S	*Sincerity/Looking Back	Nat King Cole	8.49
19 C 4064 S	Love is The Thing	Nat King Cole	5.89
19 C 4318 S	*Love You/Spanish Eyes	Al Martino	8.49
19 C 4323 S	Strangers In The Night	Frank Sinatra	5.89
19 C 4501 S	That's Life	Frank Sinatra	5.89
19 C 4105 S	The World We Know	Frank Sinatra	5.89
19 C 4106 S	Sinatra and Ellington	Sinatra/Ellington	5.89
19 C 4326 S	Everybody Loves Somebody	Dean Martin	5.89
19 C 4503 S	Welcome to My World	Dean Martin	5.89
19 C 4505 S	My World	Eddy Arnold	5.89
19 C 4506 S	Best of Eddy Arnold	Eddy Arnold	5.89
19 C 4507 S	My Cup Runneth Dver	Ed Ames	5.89
18 C 4508 S	Greatest Hits	Johnny Cash	5.89
19 C 4509 S	Born Free	Andy Williams	5.89
19 C 4313 S	Shadow of Your Smile	Andy Williams	5.89
19 C 4108 S	Love Aday	Andy Williams	5.89
19 C 4107 S	Up, Up and Away	Johnny Mathis	5.89
19 C 4109 S	Love is Blue	Johnny Mathis	5.89
19 C 4065 S	*Red Roses for Blue Lady/Danke Schoen	Wayne Newton	8.49

### STANDARD AND TEEN GROUP FAVORITES

19 C 4341 S	Big Hits	Rolling Stones	5.89
19 C 4342 S	In Concert	Beach Boys	5.89
19 C 4343 S	I Hear a Symphony	Supremes	5.89
19 C 4417 S	Where Did Our Love Go	Supremes	5.89
19 C 4069 S	Greatest Hits, Vol. 1	Supremes	5.89
19 C 4070 S	Greatest Hits, Vol. 2	Supremes	5.89
19 C 4344 S	Rubber Soul	The Beatles	5.89
19 C 4346 S	Yesterday and Today	The Beatles	5.89
19 C 4411 S	*Hit Sounds/More Hit Sounds	The Lettermen	8.49
19 C 4415 S	It You Can Believe Your Eyes	Mamas and Papas	5.89
19 C 4416 S	The Mamas and Papas	Mamas and Papas	5.89
19 C 4418 S	At the Whiskey A-Go-Go	Johnny Rivers	5.89
19 C 4512 S	Rewind	Johnny Rivers	5.89
19 C 4419 S	Ventures A-Co-Go	The Ventures	5.89
19 C 4513 S	Golden Hits	The Ventures	5.89
19 C 4514 S	Greatest Hits	P. Revere / Raiders	5.89
19 C 4516 S	And Then-Along Comes	The Association	5.89
19 C 4068 S	Insight Dnt	The Association	5.89
19 C 4518 S	Greatest Hits	The Temptations	5.89
19 C 4071 S	Sounds of Silence	Simon/Garfunkle	5.89
19 C 4072 S	Parsley, Sage, Etc.	Simon/Garfunkle	5.89
19 C 4073 S	Dnce Upon a Dream	The Rascals	5.89
19 C 4074 S	Music to Watch Girls By	B. Crew Gen.	5.89
19 C 4075 S	Golden Hits	The Turtles	5.89
19 C 4076 S	With a Lot of Soul	The Temptations	5.89
19 C 4077 S	Greatest Hits	Bob Dylan	5.89
19 C 4078 S	Another Side	Bob Dylan	5.89
19 C 4079 S	Ravi	Ravi Shankar	5.89

Use Allied's Credit Fund Plan for Anything in This Catalog

ALLIED 131



# New Model 1050 7"-Reel Recorder



**\$99<sup>95</sup>**

\$5 monthly

Full-Feature Portable  
with Extra-Large Speaker  
for Extended-Range  
Music Reproduction

# ALLIED New Model 1055 Battery/AC Portable



**\$69<sup>95</sup>**

\$5 monthly

Rugged, Compact,  
Lightweight . .  
Performs Every  
Recording Job



## New **ALLIED** 1050 Solid-State Full-Feature 7" Tape Recorder

- Automatic Level Control for Always-Perfect Recordings
- Operates at 7½ and 3¾ ips • Full 7" Reel Capacity
- Solid-State Circuit Delivers Two Watts Peak Output Power
- Digital Counter and Pause Control Make Tape Editing Easy
- Speaker Monitor for Listening to Sound Being Recorded

All-new Allied 1050 solid-state recorder is loaded with deluxe extras for outstanding monaural tape recording and playback. Luxurious styling with uncluttered design for handsome appearance and convenient vertical operation. Compact for easy portability, yet takes up to a full-size 7" reel. Records and plays two-track monaural at 7½ and 3¾ ips.

Quality engineered recorder provides response of 50-12,000 Hz for fine music reproduction. Solid-state amplifier delivers two watts peak output power to built-in 4x6" wide-range speaker. Tone control lets you adjust response to suit your own preference. Includes line output for use as a deck to play through your music system.

Record directly from any radio or phono, or use mike for live recordings. Automatic level control maintains constant level, prevents distortion from over-loud sounds; can be switched off for music recording. Accurate recording level meter. High or low level speaker monitor switch. Accurate push-to-reset digital counter makes it easy to locate selections on a tape. Pause/fast forward control lets you edit tapes as-you-go.

External speaker jack. Reel locks. Accessory compartment on rear for storing AC cord and mike. Carrying strap. Molded transparent dust cover. 13½x13½x7¾". With mike, 5" reel of tape, 5" takeup reel, splicing tape, patch cord. For 110-120 VAC. Japan. Shpg. wt., 18 lbs.  
15 C 7575 U. \$5 Monthly.....99.95

## New **ALLIED** 1055 Battery/AC Portable 5" Solid-State Tape Recorder

- Battery or 110 VAC Operation Allows Indoor or Outdoor Use
- Fast Easy-to-Use Pushbutton Controls • Tone Control
- Automatic Level Control Keeps Recording Level Constant
- Record Level/Battery Condition Meter • Digital Counter
- Speaker Monitor Lets You Hear Material Being Recorded

All-new Allied Model 1055 solid-state portable tape recorder offers great versatility and excellent performance. Virtually unlimited uses in the home, school or for business. Use it for music at parties, indoors or out. Tape lectures in school. Use for business meetings. Ideal for dictation and tape correspondence—don't write, record. You can even tape the sound portion of your favorite TV shows for replay again and again. It's invaluable for TV college courses, too.

This compact portable can go with you anywhere—operates on batteries or AC. Records and plays two-track mono at 3¾ and 1½ ips. Features keyboard-type pushbutton controls for quick and easy operation. Switchable automatic level control circuit assures you of perfect recordings every time. Prevents overload distortion by maintaining constant volume level.

Built-in 3x6" speaker provides full, wide-response sound for surprisingly good music reproduction. Tone control. Speaker monitoring lets you listen to material being recorded. Includes push-to-reset 3-digit counter and fast-forward for ease in editing or locating specific portions of tape. Meter indicates volume level on record and monitors battery condition during playback.

Inputs: mike and aux. Outputs: extension speaker and headphone. High-impact case, 11½x9½x3½". With remote, start-stop dynamic mike, six "D" batteries. AC cord, patch cord, 5" reel of tape, 5" takeup reel. Japan. Shpg. wt., 9 lbs.  
15 C 0016 X. \$5 Monthly.....69.95

## DELUXE FEATURES OF THE ALLIED 1050



**Automatic Level Control Prevents Distortion, Gives Perfect Recording Level Every Time**



**Accurate Push-to-Reset Digital Counter Makes Editing and Locating Selections on Tape Easy**



**Level Meter Gives Accurate Indication of Recording Level for Quality Recordings**



**Record Interlock Button Prevents Accidental Erasure of Your Tapes**

## DELUXE FEATURES OF THE ALLIED 1055



**Speaker Monitoring System Lets You Hear Program Material As You Record It**



**Meter Indicates Level on Record and Battery Condition on Playback for Perfect Recordings**



**Automatic Level Control Prevents Distortion, Assures You of Perfect Recording Every Time**



**Accurate Push-to-Reset Digital Counter Makes Editing and Locating Selections on Tape Easy**

Enjoy the Tape Recorder of Your Choice Now—Use Allied's Credit Fund Plan

ALLIED 133

# ALLIED

## New Model TD-1070 Automatic-Reversing Solid-State Three-Speed Stereo Tape Deck



Sensational Value! **\$299<sup>95</sup>** \$15 monthly

### New **ALLIED** Matched Stereo Dynamic Mikes



New Allied dynamic mikes are perfectly matched for superb stereo performance. Omnidirectional pattern. Full 50-15,000 Hz response for high-fidelity reproduction. Output, -77 dB. Impedance, 10,000 ohms. On-off switches. Complete outfit consists of two mikes, two stands and custom-fitted carrying case. 9 lbs.  
12 C 7158. \$5 Monthly.....\$59.95

### LOADED WITH DELUXE FEATURES

- ★ Records in Both Directions
- ★ Continuous Automatic Replay
- ★ Automatic Stop at Preset Point
- ★ All Three Speeds Equalized
- ★ Sound-an-Sound Feature
- ★ Positive Solenoid Operation
- ★ Pause Control, Instant Release
- ★ Oversize Capacitor-Start Motor

### New **ALLIED** TD-1070 Reversing Stereo Tape Deck

Sensational all-new automatic-reverse stereo tape deck records and plays in both directions without reel turnover. Has solid-state preamps for playback through your stereo system or console, plus stereo headphone amplifier with level control. Can be set for one complete play and shutoff, continuous replay, or automatic stop at a predetermined point.

Convenience-oriented controls. Fast solenoid operation. Fold-down panel conceals recording interlocks and inputs. Automatically equalized response at all three speeds. Four heads (two in each direction). Sound-on sound. Level meters, 4-digit counter. Inputs: 2 mike, 2 aux. Outputs: 2 line, headphones. With oiled walnut-veneer case, 7" takeup reel, patch cords. Optional mikes at left. For 117 V, 60 Hz AC, From Japan  
15 C 7578 U. Shpg. wt., 35 lbs. \$15 Monthly.....299.95

### SPECIFICATIONS

Speeds: 7½, 3¾, 1½ ips. Frequency Response: 30-20,000 Hz at 7½ ips; 50-14,000 Hz at 3¾ ips. Flutter/Wow: less than 0.15% at 7½ ips; 0.2% at 3¾ ips; Signal-to-Noise: -50 dB. Harmonic Distortion: less than 1%. Size: 12½x19x7½".



# Solid-State Stereo Tape Deck by

**ALLIED**



## SPECIAL BONUS OFFER WITH ALLIED TAPE DECK

Two Allied 4525 Dynamic  
Mikes and Deluxe Fitted  
Mike Carrying Case  
Only \$4.95 More

Save \$30.80

Deck and Bonus **\$139<sup>95</sup>** \$7 monthly



Hinged Panel Hides  
Recording Controls  
and Mike Inputs



Five-Position  
Function Control  
with Instant Stop



Capacitor-Start  
Motor for Smoother  
Running, More Power

## ALLIED TD-1030 Three-Speed Stereo Tape Deck

**\$135<sup>00</sup>** \$7 monthly

- Built-In Amplifier for Stereo Headphones
- Two Level Meters • Full 7" Reel Capacity
- Automatic Tape Lifters • End-of-Tape Shutoff

A spectacular value—Allied's own deluxe solid-state stereo tape deck, including a smart oiled walnut veneer case, at an amazingly low price! Exceptional design and quality; it features record/play preamps for 4-track stereo, mono to play through your stereo system or console. Or you can simply plug in stereo headphones—this deck has a built-in stereo headphone amplifier with its own level control. Boasts full frequency response for brilliant stereo. Easy single-knob control, two level meters, record ready light, push-to-reset digital counter. Operates vertically or horizontally. Inputs: 2 mikes; 2 aux. With oiled walnut-veneer wood case, 7" takeup reel, patch cord, splicing tape, dust cover. Order mikes below. For 117 V, 60 Hz AC. Japan.

15 C 7103 U. Shpg. wt., 23 lbs. \$7 Monthly..... 135.00  
12 C 7162. Allied Model 4525 Mike. Use 2 for stereo. Wt., 1 lb..... Each 12.95  
12 C 7163. Mike Case. Compartments for 2 mikes, cables. Wt., 1 lb..... 9.85

### SPECIFICATIONS

Speeds: 7 1/2, 3 3/4, 1 7/8 ips. Frequency Response: ±3 dB, 30-18,000 Hz at 7 1/2 ips; ±3 dB, 40-12,000 Hz at 3 3/4 ips. Flutter/Wow: less than 0.15% at 7 1/2 ips; 0.25% at 3 3/4 ips; 0.45% at 1 7/8 ips. Signal-to-Noise Ratio: 50 dB. Harmonic Distortion: below 1%. Equalization: NAB at 7 1/2 ips. Size: 15 1/2 x 13 1/2 x 6 3/4".

"... if you're looking for a "best buy" in tape decks... you might do well to look into Allied's TD-1030 stereo tape deck. As for cost, performance, and looks go, the TD-1030 deserves an "E" for excellence." POPULAR ELECTRONICS.



## Complete Recording Outfit Bonus Value

- 2 Allied Model 4525 Microphones
- Luxurious Mike Carrying Case
- TD-1030 Stereo Tape Deck

Separately, \$170.75. Includes Allied TD-1030 Stereo Tape Deck, 2 Allied Model 4525 Dynamic Mikes with Plugs, Deluxe Fitted Mike Carrying Case. Designed for recording, mike has 80-10,000 Hz response, -58 dB output. High impedance. Omni-directional. 4 3/4 x 1 1/2" diameter. Complete with cords and attached plugs. Shpg. wt., 26 lbs.  
15 C 0082 L2U. \$7 Monthly 139.95

ALLIED 135



# Complete Your Stereo Music System with a Quality Solid-State Stereo Tape Deck or Tape Player



**Deluxe Tape Player for Only \$99<sup>50</sup>**  
\$5 monthly

## Sony 155 Three-Speed 4-Track Stereo Tape Player

- Non-Magnetizing Heads for Cleaner Sound
- Retractable Pinch Roller for Easy Threading
- Solid-State Playback Preamps • Instant Stop
- Complete with Walnut Case and Dust Cover

Now you can add stereo tape playback facilities to your music system at a really low price. Makes an excellent addition to systems that already have stereo tape record/playback equipment, too. This player, when used with your present tape deck, permits you to dub recordings (duplicate your friends' tapes), and do professional-quality sound-on-sound, *in stereo*.

Stereo hi-fi tape player has advanced solid-state preamplifiers, lets you plug directly into low-gain auxiliary or recorder input of your music system. Incorporates scrape-flutter filter and non-magnetizing heads to fight tape distortion and tape hiss—you hear only pure life-like stereo sound. Operates at three speeds for maximum versatility: 7½, 3¾, and 1⅞ ips. Tape motion control for play, fast forward and rewind functions. Automatically shuts off at end of tape. Headphone jack.

Automatic tape lifters protect heads and tape during fast forward and rewind. Press-to-reset four-digit counter for easy, accurate indexing. Exclusive retractable pinch roller for convenience in threading tape. Operates vertically or horizontally. Frequency response: 30-18,000 Hz at 7½ ips. Takes up to 7" reels. With handsome walnut enclosure, 7" takeup reel. 15⅜x6¾x12½". For 110-120 volts, 60 Hz. Japan. *Plays back recorded tapes only—does not record.* 17 lbs.  
15 C 7558 X. \$5 Monthly.....99.50

### A New Panasonic RS-766US Stereo Tape Deck

Precision solid-state tape deck records and plays four-track stereo through your present stereo music system or console. Has two record-level meters, four-digit push-to-reset tape counter for maximum timing control. Single lever for rewind, play, instant stop, and fast forward. Automatic shut-off turns power off at end of reel. 7½, 3¾, 1⅞ ips. Frequency response, 40-16,000 Hz at 7½ ips. 7" reel capacity. Complete with walnut case. 7" takeup reel. Size, 14x12x6¾". For 117 VAC. From Japan. Shpg. wt., 17½ lbs.  
15 C 7141 U. \$7 Monthly..... 129.95

### B Sony 255 Solid-State Stereo Tape Deck

Superb Sony stereo at a modest price. Records, plays 4-track stereo/mono at 7½, 3¾, 1⅞ ips. Plays through stereo system or console. Records sound-with-sound. Two level meters, digital counter, automatic tape lifters. Scrape-flutter filter cuts distortion. Non-magnetizing head circuit helps prevent tape hiss. Easy-threading retractomatic pinch roller. Response: 30-18,000 Hz. Flutter/Wow: 0.09% at 7½ ips. 7" reel capacity. With dust cover, walnut case, 7" takeup reel. 15⅜x7¼x13¾". For 117 VAC. From Japan. Shpg. wt., 24 lbs.  
15 C 7566 U. \$8 Monthly..... 159.50

### C New Roberts 450 Three-Head Stereo Tape Deck

All-silicon-transistor deck has professional three-head design—permits direct monitoring and recording sound-with-sound. Plays through your stereo system or console. Dynamically balanced 4-pole, permanent split-capacitor motor. Record level meters. Stereo headphone jack. Tap selector knob for choosing stereo or monaural playback. Automatic shutoff, instant stop control. For vertical or horizontal operation. Response: 50-15,000 Hz at 7½ ips. Wow/Flutter: 0.2% at 7½ ips. 7" reel capacity. With wood case, 7" takeup reel. 11⅞x15¾x5½". 100/240 V, 50/60 Hz. Japan. 26 lbs.  
15 C 7032 U. \$9 Monthly..... 179.95

### D Sony 355 Three-Head Stereo Tape Deck

Solid-state preamps for record/play of 4-track stereo and mono at 7½, 3¾, 1⅞ ips. Erase, record, play head arrangement permits direct tape monitoring, echo, sound-on-sound. Scrape-flutter filter and non-magnetizing head circuit help prevent tape modulation distortion, hiss. Level meters, digital counter, automatic tape lifters, retractable pinch rollers for easy threading. Noise suppressor switch. 20-22,000 Hz. Flutter/Wow: below 0.09% at 7½ ips. 7" reel cap. Vertical or horizontal operation. Dust cover, walnut case, 7" takeup reel. 15⅜x7¼x14". 117 VAC. Japan. Shpg. wt., 26 lbs.  
15 C 7567 U. \$10 Monthly..... 199.50

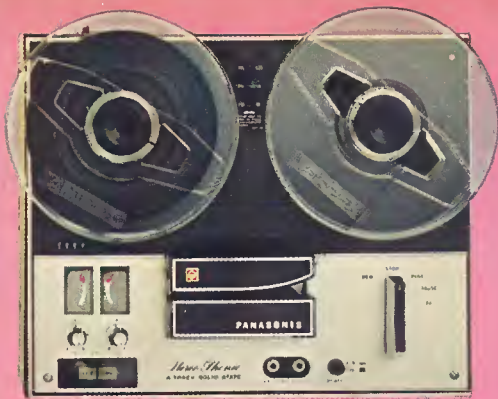
### E Ampex 750 Three-Speed Stereo Tape Deck

Famous Ampex quality at a moderate price. Records and plays 4-track stereo and mono at 7½, 3¾ and 1⅞ ips. Solid-state preamps, long-life deep-gap heads, dual capstan drive. Tape monitoring, sound-with-sound, sound-on-sound and echo. Automatic tape lifters, digital counter, automatic shutoff, two record level meters. Full array of inputs and outputs. Response: 15-15,000 Hz at 7½ ips. Flutter/Wow: 0.15% at 7½ ips. With 7" takeup reel. 13⅜x16x7¾". For 115 VAC. Optional case below. Shpg. wt., 35 lbs.  
15 C 7387 U. \$10 Monthly..... 199.00  
15 C 7554 X. Wood Case. Shpg. wt., 13 lbs. \$5 Monthly..... 49.95

### F Ampex 1450 Automatic-Reversing Stereo Deck

Solid-state deck records and plays 4-track stereo, has "Encore" automatic reversing for continuous playback. Plays through your stereo system or console. Four Ampex deep-gap heads allow direct monitoring, sound-with-sound. Automatic threading. Record level meters. Dual capstan drive for perfect tape-to-head contact without wear-producing pressure pads. 7½, 3¾, 1⅞ ips. Response: 50-15,000 Hz at 7½ ips. Flutter/Wow: 0.15%. With 7" takeup reel. 13x15¼x6½". 115 VAC. Case below. Shpg. wt., 35 lbs.  
15 C 7242 U. \$15 Monthly..... 299.00  
15 C 7554 X. Wood Case. Shpg. wt., 13 lbs. \$5 Monthly..... 49.95





**A** New Panasonic RS-766US Stereo Tape Deck **\$129<sup>95</sup>**  
\$7 monthly



**B** Sony Model 255 Stereo Tape Deck **\$159<sup>50</sup>**  
\$8 monthly



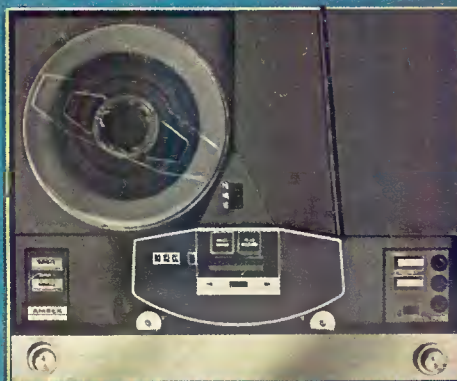
**C** New Roberts 450 3-Head Stereo Deck **\$179<sup>95</sup>**  
\$9 monthly



**D** Sony 355 3-Head Stereo Tape Deck **\$199<sup>50</sup>**  
\$10 monthly



**E** Ampex 750 Stereo Tape Deck **\$199<sup>00</sup>** less case  
\$10 monthly



**F** New Ampex 1450 Deck With Automatic Reverse **\$299<sup>00</sup>** less case  
\$15 monthly

# Popular Solid-State Stereo Tape Decks

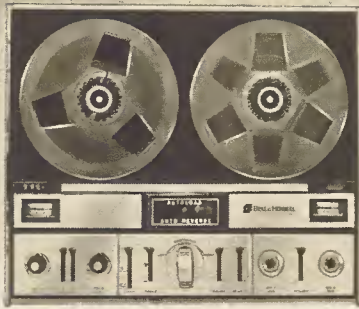


**\$199<sup>95</sup>**

\$10 monthly

**PANASONIC  
796 Automatic  
Reversing Deck**

Value-priced automatic reversing tape deck records and plays 4-track stereo and mono in both directions, through your music system. Conveniently plays both tracks without bothersome reel turnover and re-threading. Deluxe dual-capstan drive. Dual record level meters. Speeds:  $7\frac{1}{2}$ ,  $3\frac{3}{4}$ ,  $1\frac{1}{8}$  ips. Frequency response, 40-15,000 Hz at  $7\frac{1}{2}$  ips. Flutter/Wow, under 0.25% at  $7\frac{1}{2}$  ips. Signal-to-Noise ratio, over 50 dB. 13 semiconductors. Size,  $14\frac{1}{2} \times 7\frac{3}{4}$ ". With handsome wood case and 7" takeup reel. Less mikes. 117 VAC. Japau. Shpg. wt., 38 lbs.  
15 C 7465 U. \$10 Monthly... 199.95



**\$329<sup>95</sup>**

\$16 monthly

**BELL & HOWELL  
2291 Automatic  
Reversing Deck**

Automatic reversing, plus lots of other convenience features. Records and plays 4-track stereo or mono in both directions, through your music system or console. Three-position cycle control with automatic reversing. Fully automatic tape threading. Also automatic: shutoff, head degaussing, and tape lifters. Pause control. Dual record/playback level meters.  $7\frac{1}{2}$ ,  $3\frac{3}{4}$ ,  $1\frac{1}{8}$ ,  $1\frac{1}{16}$  ips. Response: 40-17,000 Hz at  $7\frac{1}{2}$  ips. Mike, aux. inputs. Vertical or horizontal operation.  $13\frac{3}{16} \times 15\frac{11}{16} \times 8\frac{1}{2}$ ". Case, 7" takeup reel. Less mikes. 117 VAC. 39 lbs.  
15 C 7031 U. \$16 Monthly... 329.95



**\$374<sup>95</sup>**

\$18 monthly

**VIKING  
433 Professional  
Three-Head Deck**

Silicon-solid-state deck has 3 heads to permit monitoring, plus switch-controlled echo and sound-on-sound. Illuminated windows indicate function. Three motors, digital counter, level meters, total shut-off at end of tape, pause control. Vertical or horizontal operation.  $7\frac{1}{2}$ ,  $3\frac{3}{4}$ ,  $1\frac{1}{8}$  ips. 40-18,000 Hz at  $7\frac{1}{2}$  ips. Flutter/Wow, under 0.2%. Mike aux. inputs with mixing facilities. Outputs for amplifier, 4-600 ohm headphones.  $14\frac{3}{8} \times 15\frac{3}{4} \times 8\frac{3}{4}$ ". 7" takeup reel. Less mikes. Case below. 117 VAC. Wt., 30 lbs.  
15 C 7448 U. \$18 Monthly... 374.95  
15 C 7449 X. Wood Case. 4 lbs... 29.50

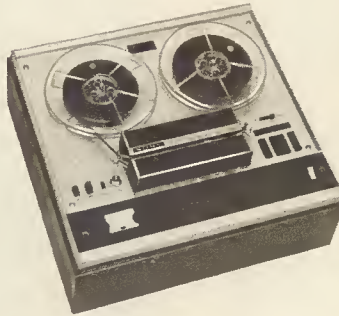


**\$299<sup>50</sup>**

\$15 monthly

**SONY  
560 E.S.P. Auto-  
Reversing Deck**

Unique deck records and plays 4-track stereo or mono in both directions—E.S.P. feature reverses tape without any sensing tapes or pulses. Dual capstan drive system with Sony "Retractomatic" pinch roller, "Servo-control" motor. Two record level meters, digital tape counter. Automatic sentinel shut-off after tape has made complete reverse cycle.  $7\frac{1}{2}$ ,  $3\frac{3}{4}$ ,  $1\frac{1}{8}$  ips. Operates vertically or horizontally. Response: 30-18,000 Hz at  $7\frac{1}{2}$  ips.  $15\frac{1}{2} \times 16 \times 6\frac{1}{2}$ ". With walnut case. 7" takeup reel. Mike below. For 117 VAC. From Japan. Wt., 29 lbs.  
15 C 7049 U. \$15 Monthly... 299.50  
15 C 7046. Mike. Wt., 1 lb... Each 10.50



**\$489<sup>50</sup>**

\$21 monthly

**SONY  
666D Deck With  
Solenoid Controls**

Professional 4-track deck has full solenoid operation. Records, plays stereo or mono—E.S.P. reverses tape without sensing tapes or pulses. Automatic shutoff. Scrape flutter filter. Three motors, including hysteresis-synchronous capstan drive. Record level meters, instant stop, tape counter. Sony noise reduction system. Vertical or horizontal operation. Stereo headphone jack with 2-position level control. Speeds:  $7\frac{1}{2}$ ,  $3\frac{3}{4}$  ips. Response, 20-22,000 Hz at  $7\frac{1}{2}$  ips. With walnut case, 7" takeup reel, dust cover. Less mikes.  $16\frac{5}{8} \times 17\frac{3}{8} \times 8\frac{1}{16}$ ". For 117 VAC. From Japan. Shpg. wt., 58 lbs.  
15 C 7573 Z. \$21 Monthly... 489.50



**\$549<sup>00</sup>**

\$23 monthly

**TANDBERG  
Model 64X Deluxe  
Four-Head Deck**

Precision deck records, plays 4-track stereo and mono through your music system. Delivers hi-fi performance even at slow recording speeds. Special bias head for full 20-18,000 Hz response at  $3\frac{3}{4}$  ips. Hysteresis-synchronous drive motor. Four heads permit tape monitoring, sound-on-sound. Dual electronic eyes. Automatic shutoff, pause control. FM multiplex filter. Response, 20-25,000 Hz at  $7\frac{1}{2}$  ips. Flutter/Wow, 0.15% at  $7\frac{1}{2}$  ips. Speeds:  $7\frac{1}{2}$ ,  $3\frac{3}{4}$ ,  $1\frac{1}{8}$  ips. Size,  $15\frac{3}{8} \times 11\frac{1}{8} \times 6\frac{5}{8}$ ". With teak base, 7" takeup reel. Less mikes. For 117 VAC. From Norway. Shpg. wt., 23 lbs.  
15 C 7650 Z. \$23 Monthly... 549.00



# Solid-State Stereo Tape Cassette Decks, Recorders



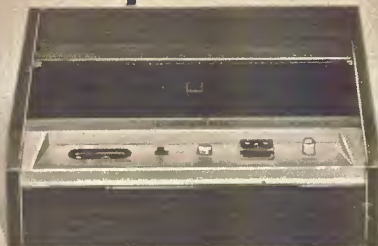
**AIWA**

## New Stereo Tape Cassette Deck

**\$99.95** • Cassette Pops-Up for Quick, Easy Removal  
**\$5 monthly** • Headphone Output

TP-1009. Easy-to-use deck records and plays compact, modern stereo tape cassettes through your stereo system. Smartly-styled deck records and plays 4-track stereo and 2-track mono. Cassette pops-up for easy loading and removal. Pushbutton controls, pause controls, push-to-reset digital counter and two level meters.

Response: 50-10,000 Hz at 1 7/8 ips. Inputs: 2 mike, 2 aux. Outputs: 2 preamp, stereo headphone jack. Walnut wood sides. 3 1/4 x 11 x 10". With C-60 cassette, patch cords. For 117 VAC. From Japan. Shpg. wt., 9 lbs.  
 15 C 7251 S. \$5 Monthly.....99.95



**CONCORD**

## Teak Stereo Cassette Deck

**\$99.50** • Handsomely Styled Solid Teak Cabinet  
**\$5 monthly** • Cuing Device

F-105. Record radio programs, or "live" with mikes, on handy tape cassettes for playback through your home stereo music system. Records and plays 4-track stereo at 1 7/8 ips. Cuing device makes it easy to edit tapes. Excellent also for playing pre-recorded stereo tape cassettes.

All solid-state circuit. Has two accurate recording level meters. Capstan drive. Wide-range frequency response. Inputs: 2 mike, 2 aux. Outputs: 2 preamp. Attractive solid teak cabinet with dust cover. 3 x 9 1/2 x 8 1/2". For 117 VAC. Japan. 5 lbs.  
 15 C 7523 X. \$5 Monthly.....99.50



**CRAIG**

## New Deluxe Cassette Deck

**\$119.95** • Recording Selector for Stereo-Mono  
**\$6 monthly** • Headphone Output

2704. New stereo tape cassette deck is loaded with features for operating convenience and fine performance. Records 4-track stereo or 2-track mono for play through your music system. Easy-to-use keyboard-type push-button controls with separate eject button for quick cartridge removal.

Two illuminated level meters, magnified instant-reset digital counter. Response: 50-10,000 Hz at 1 7/8 ips. Inputs: 2 mike, 2 aux. Outputs: 2 preamp, concealed headphone jack. Walnut-finish wood cabinet. 3 3/4 x 14 1/4 x 9 1/2". 117 VAC. Japan. 13 lbs.  
 15 C 7252 X. \$6 Monthly.....119.95

## New Stereo Tape Cassette Recorder/Deck

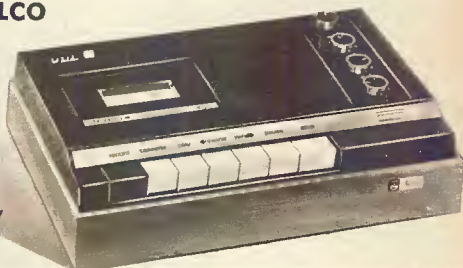
450A. Deluxe model provides top performance as a deck for playing through your music system, and also has built-in stereo amplifier for playback through external speakers. Records and plays 4-track stereo and 2-track mono at 1 7/8 ips. Features: stereo level meter, digital counter, pushbutton controls with pause. Response: 60-10,000 Hz. Inputs: 2 mike, 2 auxiliary. Outputs: preamp, external speakers, stereo headphone. Teak cabinet, 3 1/2 x 12 1/2 x 8 1/2". With two dynamic mikes. For 117 VAC. From Holland. Shpg. wt., 13 lbs.

15 C 7210 S. \$8 Monthly.....143.50

## NORELCO

Built-In Playback Amplifiers

**\$143.50**  
**\$8 monthly**



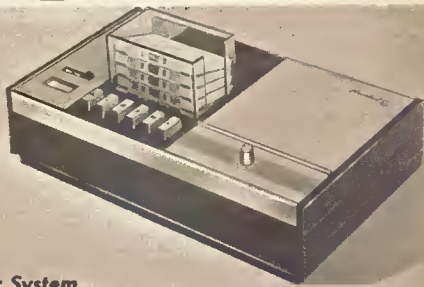
For Use With Pre-Recorded Cassettes

**\$59.50**  
**\$5 monthly**



Automatic Cassette Changer

**\$99.95**  
**\$5 monthly**



## NORELCO

Play Stereo Cassettes Through Your System

## New Stereo Tape Cassette Playback Deck

2500. Now you can add tape cassette playing facilities to your home music system. Compact deck plays through any stereo or mono amplifier—enjoy the wide variety of pre-recorded tape cassettes available. Easy single-knob control for rewind, play, stop and fast forward. Pushbutton cassette ejector makes loading and removal of cassettes easy. Walnut base with dust cover. 2 1/4 x 8 x 4 1/2". For 117 VAC. Holland. Does not record.

15 C 7211 S. Shpg. wt., 4 1/2 lbs. \$5 Monthly.....59.50

## New Automatic Stereo Cassette Changer Deck

2502. Remarkable stereo tape cassette changer plays up to six pre-recorded cassettes, automatically! Adds cassette playing versatility to your stereo system. Automatic stop after last cassette plays. Features pushbutton controls for easy operation. Automatic cassette ejector. Plays standard Philips-type 4-track stereo tape cassettes at 1 7/8 ips. Luxurious teakwood cabinet. 4 x 13 x 9". For 117 VAC. Holland. Shpg. wt. 18 lbs. Does not record.

15 C 7218 S. \$5 Monthly.....99.95

All Decks On This Page Use Only Standard Philips-Type Tape Cassettes

**ALLIED** 139





# Solid-State Stereo Tape Recorder



# Automatic-Reversing Stereo Recorder





**ALLIED® TR-1040 Solid-State  
3-Speed Stereo Tape Recorder**

**\$179<sup>95</sup>**

**\$9 monthly**

- Built-In Stereo Amplifier
- Three-Speed Capstan Drive
- Instant-Stop for Editing
- Detachable Stereo Speakers
- Attractive Portable Case

Allied's own feature-packed solid-state stereo tape recorder offers outstanding performance plus clean, uncluttered styling for handsome appearance and simplicity of operation. Play back pre-recorded stereo tapes with amazing clarity and realism, or make your own 4-track stereo or mono tapes. Record from any radio, phono, or "live" using mikes included.

Ten-watt-peak solid-state stereo amplifier. Two detachable wide-range speakers can be separated for full stereo realism. Speaker enclosures close to form cover of recorder for easy portability. Preamp outputs let you use recorder as a deck to play through your stereo system for even greater fidelity. Stereo headphone jack for private listening, too.

Convenient, easy-to-use single-knob function control includes instant-stop feature for editing. Recording controls and inputs are neatly concealed behind a fold-down panel. Separate volume and tone controls for each channel. Two large, professional-type level meters assure you of quality recordings. Has accurate, push-to-reset digital counter. Automatic tape lifters protect heads during rewind.

Speeds: 7½, 3¾, 1⅞ ips. Inputs: 2 mike, 2 aux. Outputs: preamp, 2 extension speakers, headphone. Response: 40-16,000 Hz at 7½ ips. Flutter & Wow: under 0.15% at 7½ ips. 13¾x18½x9⅞". With 7" takeup reel, two mikes, patch cords. For 110-120 V, 60 Hz AC. Japan. Shpg. wt., 34 lbs.  
15 C 7104 U. \$9 Monthly..... 179.95

**New ALLIED TR-1080 Solid-State  
Automatic-Reversing Stereo Recorder**

**\$349<sup>95</sup>**

**\$17 monthly**

- Records in Both Directions
- Records Sound-on-Sound
- All Three Speeds Equalized
- Positive Solenoid Operation
- Speakers Separate for Stereo

Magnificent new Allied automatic-reversing stereo tape recorder records and plays in both directions without reel turnover. Brings you a new degree of convenience and versatility in recording. Can be set for one complete play and shutoff, continuous replay, or automatic stop at any predetermined point.

Wide-range speaker enclosures separate for stereo—form cover for recorder. Solid-state stereo amplifier provides full, rich sound. Sound-on-sound, plus sound-with-sound for special effects. Preamp outputs let you use recorder as a deck for play through your stereo system. Pause control with instant release and push-to-reset four-digit counter make editing-as-you-go easy.

Modern rocker switches and fast, positive-acting solenoid operation. Volume control for each channel, bass and treble controls. Speaker on-off switch. Fold-down panel conceals recording interlocks and inputs. Automatically equalized response at all three speeds. Automatic tape lifters. Powerful, oversize capacitor-start motor. Two large level meters.

Speeds: 7½, 3¾, 1⅞ ips. Inputs: 2 mike, 2 aux. Outputs: preamp, 2 ext. speakers, front-panel stereo headphone jack. Response: 40-19,000 Hz at 7½ ips. Flutter & Wow: under 0.15% at 7½ ips. Portable case is covered with scuff-resistant vinyl. 12¾x19½x12¼". With 7" takeup reel, 2 mikes with stands, patch cords, sensing tape. For 110-120 V, 60 Hz AC. Japan. Shpg. wt., 45 lbs.  
15 C 7579 U. \$17 Monthly..... 349.95

**Choose One of Allied's  
Fine Stereo Recorders**



**NEW \$159<sup>95</sup>**

**\$8  
monthly**

**ALLIED TR-1035 Solid State-Stereo  
Recorder with Built-In Speakers**

- Two Built-In Full-Range Speakers for Easy Portability
- Solid-State Stereo Amplifier
- 3-Speed Operation
- Convenient Single-Knob Function Control with Instant Stop
- Stereo Headphone Jack
- Automatic Tape Lifters

New solid-state stereo tape recorder provides exceptional performance at moderate cost. Records and plays 4-track stereo with superb clarity. Full-fidelity mono playback, too. Lets you capture the actual sound and feeling of an event like a fine camera captures the picture. Build-up your own tape library by using mikes to record "live" performances, or record from any radio or phono.

Boasts two wide-range speakers—built-in for easy portability. Solid-state stereo amplifier delivers plenty of power for true-to-life stereo and crystal-clear mono. Separate volume controls for each channel, plus tone control for emphasizing bass or treble. Recorder can also be used as a stereo tape deck with your music system for even greater stereo fidelity.

Deluxe features include: single-knob function control with instant stop; automatic tape lifters to prevent wear on heads during rewind; push-to-reset digital counter; two large recording level meters; front-panel stereo headphone jack; automatic shutoff at end of reel. Speaker on-off switch.

Speeds: 7½, 3¾, 1⅞ ips. Inputs: 2 mike, 2 aux. Outputs: preamp, 2 extension speakers, headphones. Response: 40-15,000 Hz at 7½ ips. Flutter & Wow: under 0.15% at 7½ ips. Vinyl-covered case, 12½x15¾x7¾". With 7" takeup reel, 2 mikes, patch cords. For 110-120 V, 60 Hz AC. Japan. Shpg. wt., 32 lbs.  
15 C 7577 U. \$8 Monthly..... 159.95



**\$159<sup>95</sup>**

\$8 monthly

**PANASONIC**

**A**



**ROBERTS**

**\$179<sup>95</sup>**

\$9 monthly

**B**



## **Popular-Priced Solid-State Stereo Recorders**

**HITACHI**

**C**

**\$159<sup>95</sup>**

\$8 monthly



**AIWA**

**D**

**\$149<sup>95</sup>**

\$8 monthly







**\$179<sup>95</sup>** \$9  
monthly

**WOLLENSAK**

**Model 5740 Stereo Tape Recorder**

- Speakers Separate Up to 9' for Full Stereo Realism
- Central Control Panel For Convenient Operation
- Automatic Tape Lifters • Automatic Head Demagnetizer

Professional features assure quality stereo recordings. Records and plays 4-track stereo or mono at 7½, 3¾ and 1⅞ ips. Detachable enclosures with 6" speakers separate up to 9', close to form cover. Monitor head-phone jack; head demagnetizer; automatic tape lifters; self-adjusting brakes; automatic shut-off; reel locks; digital counter; pause control. Tone and volume controls for each channel. Outputs: preamps, extension speakers. Response: 40-17,000 Hz at 7½ ips. Flutter and Wow: less than 0.25% at 7½ ips. One mike, reel of tape, 7" takeup reel. 10¼x19¾x10". 115 VAC. 15 C 7341 U. Wt., 29 lbs. \$9 Monthly..... 179.95

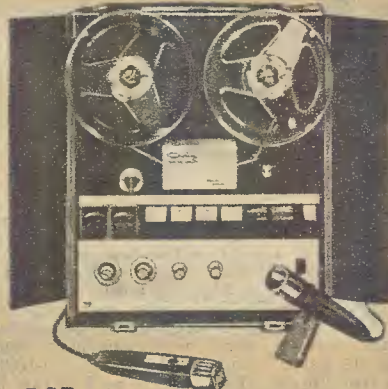
**Outstanding Values in Stereo Solid-State Tape Recorders**

**A Panasonic RS-760S Stereo Tape Recorder**

Professional-looking solid-state model records and plays 4-track stereo and mono at 7½, 3¾, 1⅞ ips. Sound-on-sound and Trans-a-Track for special effects. Direct monitoring, two VU meters, pause control for editing, automatic shutoff. Two built-in 6x4" speakers. Response: 50-17,000 Hz at 7½ ips. Flutter/Wow: 0.25% at 7½ ips. Inputs: 2 mike, 2 radio/phonos/T.V. Outputs: Preamps, external speaker, stereo headphone. With two mikes, 7" reel tape, 7" takeup reel, splicing tape, patch cords. 14x13½x7". 110-120 V, 60 Hz AC. Japan. Wt., 22 lbs. 15 C 7224 U. \$8 Monthly..... 159.95

**B Roberts 1719 Stereo Tape Recorder**

Compact stereo recorder features solid-state circuit with 10-watts peak music power per channel and two built-in speakers. Records and plays 4-track stereo or mono at 3¾ and 7½ ips. Volume and tone controls for each channel. Digital counter; twin level meters. Sound-with-sound. Automatic shut-off. Source monitoring. 40-15,000 Hz at 7½ ips. Flutter and Wow: 0.25% at 7½ ips. Two mike, 2 radio/phonos inputs. Outputs: Equalized preamp, external speakers, stereo headphone. 15½x14¾x9". One mike, 7" takeup reel. Japan. 115 V, 60 Hz AC. Wt., 25 lbs. 15 C 7384 U. \$9 Monthly..... 179.95



**\$164<sup>95</sup>** \$9  
monthly

**CRAIG**

**Model 2202 Battery/AC Recorder**

- Compact Portable with Professional Features
- Operates on Batteries, 115 VAC, or 12 VDC
- 3¾, 1⅞, 1¼ ips—Up to 8 Hours/Reel

Compact solid-state 3-speed stereo recorder makes extra-clear, realistic recordings. Easily carried and used anywhere. Uses 6 "D" batteries (below), 115 VAC, or 12-volt battery. Sound-on-sound, sound-with-sound. Built-in speakers. Keyboard function controls; volume and tone controls for each channel; deluxe level meters; digital counter; automatic stop. Reel capacity, 5". With 2 mikes, patch cords, AC cord, auto lighter cord, 5" takeup reel, splicing tape. 10½x12x5¾". Japan. Shpg. wt., 18 lbs. 15 C 7487 U. \$9 Monthly..... 164.95 18 C 5079. "D" Batteries. 10 oz..... 4/65¢

**C New! Hitachi TRQ-717 Stereo Recorder**

Excellent performer records and plays four-track stereo and mono at 7½, 3¾ and 1⅞ ips. Automatic level control prevents distortion from over-loud sounds. Automatic shutoff. Two built-in 6x4" speakers with reflectors. Convenient pushbuttons, digital counter, twin VU meters, jack for headphone and source monitoring. Takes 7" reels. Response: 50-15,000 Hz at 7½ ips. Inputs: 2 mike, 2 aux. Outputs: Earphone, ext. speakers. With two stand-up mikes, 5" reel of tape, takeup reel, patch cord. 13½x15½x7½". For 117 V, 60 Hz AC. Japan. Shpg. wt., 25 lbs. 15 C 7096 U. \$8 Monthly..... 159.95

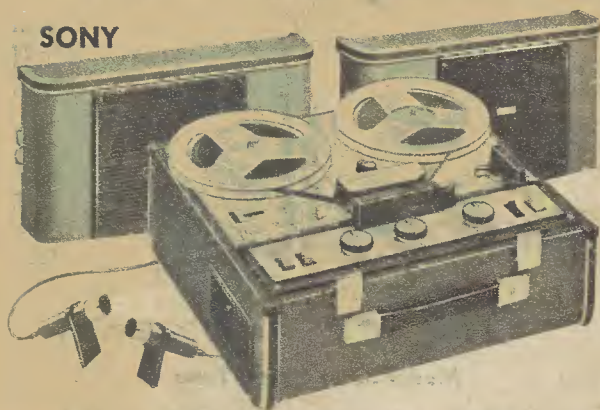
**D Aiwa TP-1012 Battery/AC Stereo Recorder**

Records and plays full-range 4-track stereo or mono tapes anywhere—home, car, beach, outings. Boasts big-recorder features: level meters for each channel, automatic shutoff, digital counter, AC bias/erase, pause control, 7" reel capacity. 7½, 3¾, 1⅞ ips. 50-16,000 Hz. Output, 5 watts. Inputs: 2 mike, 2 aux. Outputs: stereo headphones, ext. speakers. Compartment for two mikes and AC line cord. With 2 mikes, 5" reel of tape, takeup reel, 8 "D" batteries, AC cord, 12-volt car cord. Size, 13½x12¾x7¼". From Japan. Shpg. wt., 17 lbs. 15 C 7151 U. \$8 Monthly..... 149.95



# Deluxe Solid-State Stereo Portable Recorders

SONY



Sony Model 200 Full-Feature Recorder

**\$189<sup>50</sup>**

\$10 monthly

- Full 7-inch Reel Capacity
- Speakers Separate Up to 15 Feet
- Pause Control and Digital Counter

Records, plays 4-track stereo or mono at  $7\frac{1}{2}$ ,  $3\frac{3}{4}$  ips. Two-section carrying cover separates to form 2 wide-range speaker systems. Interchannel transfer (sound-on-sound) for multiple track, special effects. Automatic tape lifter protects heads. Pause control, digital counter, 2 level meters. Response: 30-17,000 Hz at  $7\frac{1}{2}$  ips. Flutter/Wow: below 0.12% at  $7\frac{1}{2}$  ips. Inputs: 2 mike, 2 hi-level radio/phone/TV. Outputs: 2 Preamp, 2 ext. speaker, stereo headphones.  $9\frac{1}{2} \times 15 \times 16"$ . Two mikes, 7" takeup reel. For 110-120 V, 60 Hz AC. Japan. Shpg. wt., 32 lbs. 15 C 7007 U. \$10 Monthly..... 189.50

AIWA



**\$179<sup>95</sup>**

\$9 monthly

**Aiwa TP-1001 Extra-Value AC Recorder**

Fine value in a deluxe solid-state stereo recorder with most-wanted features. Plays and records 4-track stereo and mono at  $7\frac{1}{2}$ ,  $3\frac{3}{4}$ ,  $1\frac{1}{8}$  ips. Precision hysteresis-synchronous motor for precise regulation of all three speeds. Two level meters; pause control for editing; 4-digit counter; stereo headphone jack; volume, tone controls each channel. 7" capacity. 70-15,000 Hz at  $7\frac{1}{2}$  ips. Flutter/Wow: 0.15% at  $7\frac{1}{2}$  ips. Includes 2 mikes with stands, 7" tape, reel, patch cords, splicing tape.  $14\frac{1}{2} \times 13\frac{1}{2} \times 10"$ . For 117 VAC. Japan. 15 C 7289 U. Shpg. wt., 12 lbs. \$9 Monthly..... 179.95

CRAIG



**\$199<sup>95</sup>**

\$10 monthly

- Single "V" Function Control Operation
- Wide-Range Stereo Speaker Systems
- Sound-on-Sound • 7" Reel Capacity

**Craig Model 2403 "V" Control Recorder**

Feature-packed stereo tape recorder plays and records stereo and mono at  $7\frac{1}{2}$ ,  $3\frac{3}{4}$  and  $1\frac{1}{8}$  ips. Single "V" function control for ease of operation; concealed recording controls; dual level meters; tone, volume controls for each channel. Wide-range 4" stereo speakers separate for optimum stereo. Digital counter, stereo headphone jack. Response, 20-15,000 Hz at  $7\frac{1}{2}$  ips. Size,  $18\frac{1}{4} \times 14\frac{1}{4} \times 11\frac{1}{4}"$ . With two microphones, 7" takeup reel, patch cords. For 110-120 V, 60 Hz AC. From Japan. Shpg. wt., 35 lbs. 15 C 7484 U. \$10 Monthly..... 199.95



**Hitachi TRQ-707 Pushbutton Recorder**

- "Levelmatic" Feature • Sound-on-Sound Recording
- Tape Monitoring Facilities • 7-inch Reel Capacity

New, and with many important features. "Levelmatic" feeds steady signal to tape—avoids fading, blasting. Monitor lets you hear program material directly off tape. Records, plays 4-track stereo and mono at  $7\frac{1}{2}$ ,  $3\frac{3}{4}$ ,  $1\frac{1}{8}$  ips. Two detachable enclosures, each with  $6\frac{1}{2} \times 2"$  speaker. Tone control; digital counter; two level meters; automatic stop. 50-15,000 Hz at  $7\frac{1}{2}$  ips. Two auxiliary inputs; 2 outputs. Two mikes with stands, 5" tape, reel.  $14\frac{3}{4} \times 8\frac{1}{2} \times 14"$ . For 117 VAC. Japan. 15 C 7135U. Wt., 31 lbs. \$10 Monthly..... 199.95

**\$199<sup>95</sup>**

\$10 monthly

**Tape Recording Equipment for Every Requirement**



# Connoisseur's Selection of Stereo Recorders

## SONY 530 Solid-State Stereo Recorder

- Two 2-Way Speaker Systems
- 40-Watt Stereo Amplifier
- Two Mikes • 7" Capacity

**\$299<sup>50</sup>**

\$15 monthly

Powerful 40-watt amplifier drives quadraxial hi-fi speaker systems. Woofers are in case, tweeters in detachable covers. Records, plays 4-track stereo and mono at  $7\frac{1}{2}$ ,  $3\frac{3}{4}$ ,  $1\frac{1}{8}$  ips. Retracting pinch roller for easy threading. Automatic tape lifters. Two illuminated level meters. Pause control, digital counter for editing, cuing. Automatic shutoff. Use vertically, horizontally. Wow/Flutter, 0.09% at  $7\frac{1}{2}$  ips. 30-18,000 Hz at  $7\frac{1}{2}$  ips. Inputs: 2 mike, 2 radio-phon. Outputs: Preamp, ext. speaker.  $15\frac{3}{4} \times 19\frac{3}{4} \times 10"$ . 2 mikes, patch cord, 7" takeup reel. 117 VAC. From Japan. 15 C 7236 U. Wt., 48 lbs. \$15 Monthly... 299.50



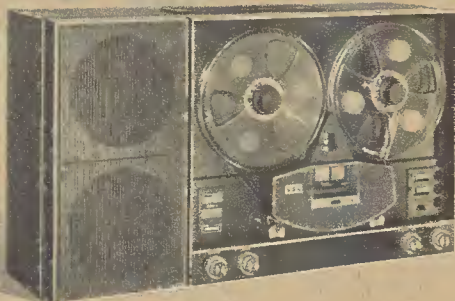
**\$399<sup>95</sup>**

\$18 monthly

**ROBERTS**  
New 770X-SS  
Tape Recorder

New deluxe solid-state 4-speed recorder offers powerful 40-watts music power. Extra-wide range at all speeds. Exclusive Crossfield head with separate bias supply increases bass response one octave even at slow speed. Response at  $7\frac{1}{2}$  ips is a full 30-22,000 Hz. Records and plays 4-track stereo and mono. Instant-stop for editing as you record. Large level meters; digital counter; automatic shutoff; tape cleaner. Built-in speakers. 7" capacity.

Records sound-on-sound. Hysteresis motor. Flutter/Wow: under 0.15% at  $7\frac{1}{2}$  ips. S/N: 50 dB.  $20\frac{1}{2} \times 13\frac{3}{4} \times 11"$ . Two dynamic mikes, 7" reel. 117 VAC. From Japan. 49 lbs. 15 C 7378 U. \$18 Monthly... 399.95



**\$329<sup>00</sup>**

\$16 monthly

**AMPEX**  
New 761 Stereo  
Tape Recorder

Precision solid-state recorder capable of sound-on-sound, sound-with-sound, echo and tape monitoring. Records and plays 4-track stereo and mono at  $7\frac{1}{2}$ ,  $3\frac{3}{4}$ ,  $1\frac{1}{8}$  ips. Also features lifetime deep-gap heads and dual capstan drive. 7" capacity.

Automatic tape lifters, digital counter, automatic shutoff, level meters. Two acoustically sealed speakers operate within recorder or separate to 20 ft. for maximum stereo realism.

Frequency Response: 15-15,000 Hz at  $7\frac{1}{2}$  ips. Flutter/Wow: 0.15% at  $7\frac{1}{2}$  ips. Size,  $22\frac{3}{4} \times 13\frac{1}{2} \times 7"$ . For 110-120 V, 60 Hz AC. With 2 mikes, 7" reel, tape. Shpg. wt., 39 lbs. 15 C 7325 U. \$16 Monthly... 329.00



**\$314<sup>95</sup>**

\$16 monthly

**BELL & HOWELL**  
New 2265 Stereo  
Tape Recorder

New solid-state unit. Records, plays 4-track stereo or mono at  $7\frac{1}{2}$ ,  $3\frac{3}{4}$ ,  $1\frac{1}{8}$ ,  $1\frac{1}{16}$  ips. Exclusive reversing head assembly for continuous play, plus automatic head degaussing, 7" capac.

Also, automatic tape lifters, pause control, digital counter, automatic shutoff, record-level meters. Built-in  $8 \times 4"$  speakers. Separate channel level controls, 5-position master tape control. Inputs: 2 mike, 2 high-level. Outputs: 2 speaker, 2 ext. amplifier. Operates vertically, horizontally.

40-17,000 Hz at  $7\frac{1}{2}$  ips. Flutter/Wow: 0.9% at  $7\frac{1}{2}$  ips. S/N: better than 51 dB.  $8\frac{1}{2} \times 13\frac{1}{2} \times 15\frac{1}{2}"$ . 2 mikes, 7" reel. 117 VAC. 25 lbs. 15 C 7029 U. \$16 Monthly... 314.95

**SONY 560 ESP Compact**  
Stereo Tape System

**\$399<sup>50</sup>**

\$18 monthly

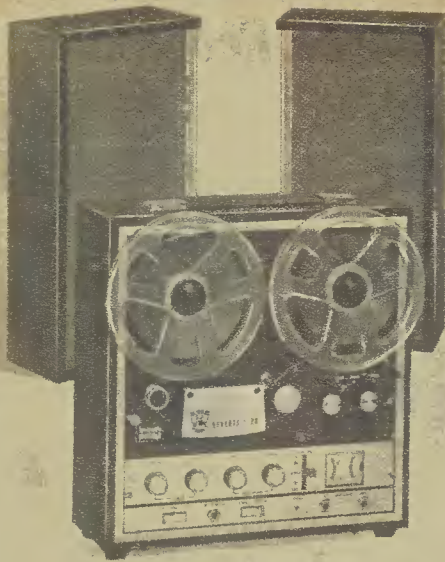
Four-track portable tape system featuring automatic reverse. Built-in 20-watt solid-state stereo amplifier has control center with tuner and phono inputs. 2 wide-range speaker systems in lid separate up to 15 feet. Records, plays 4-track stereo and mono at  $7\frac{1}{2}$ ,  $3\frac{3}{4}$ ,  $1\frac{1}{8}$  ips. Servo-control motor; dual capstan drive; scrape, flutter filter; retracting pinch roller; noise suppressor switch; digital counter; headphone jack; level meters. 7" reel capacity. Two mikes, 7" reel.  $17\frac{1}{2} \times 20\frac{3}{8} \times 11"$ . From Japan. 53 lbs. 15 C 7304 Z. \$18 Monthly... 399.50



Take Up to Two Years to Pay at Allied



# Top-Quality Selection of .



**\$199.95** \$10 monthly

## ROBERTS 1720 Solid-State Stereo Recorder

Deluxe stereo tape recorder boasts renowned Roberts quality and features for convenience and excellent performance. Records and plays four-track stereo and mono at  $7\frac{1}{2}$  and  $3\frac{3}{4}$  ips. Deluxe features include: detachable speakers that separate for maximum stereo effect, built-in head demagnetizer, pause lever, digital counter, large easy-to-read level meters, automatic shutoff. Inputs: two mike, two radio/phonos. Outputs: preamp, external speakers, stereo headphone. Response, 40-15,000 Hz at  $7\frac{1}{2}$  ips. Wow and Flutter, less than 0.25% at  $7\frac{1}{2}$  ips. Vinyl covered case,  $15\frac{1}{2} \times 14\frac{1}{2} \times 10\frac{1}{2}$ ". With two mikes, 7" takeup reel. For 115 VAC. Shpg. wt., 26 lbs.

15 C 7113 U. \$10 Monthly..... 199.95



**\$229.50**  
\$12 monthly

## SONY 230 "Stereo Compact" Tape System

Portable solid-state stereo tape system features a 20-watt stereo amplifier. Inputs for phono or tuner to play through system. Records and plays 4-track stereo at  $7\frac{1}{2}$ ,  $3\frac{3}{4}$  and  $1\frac{1}{8}$  ips. Split-lid speakers separate to 15 feet. Has tape lifters, digital counter, dual level meters. Inputs: 2 mike, stereo magnetic phono, 2 aux. Outputs: preamp, ext. speaker, stereo headphone. Response, 30-18,000 Hz at  $7\frac{1}{2}$  ps. Flutter and Wow, less than 0.09% at  $7\frac{1}{2}$  ips. Vinyl case, brushed aluminum trim.  $15\frac{1}{4} \times 13\frac{1}{2} \times 7\frac{1}{2}$ ". With 2 cardioid dynamic mikes, 7" takeup reel. For 115 VAC. From Japan. Shpg. wt., 36 lbs.

15 C 7369 U. \$12 Monthly..... 229.50  
15 C 0094 L2U. 230CPW. Above, walnut case. 46 lbs., 269.50



**NEW**  
at **ALLIED**

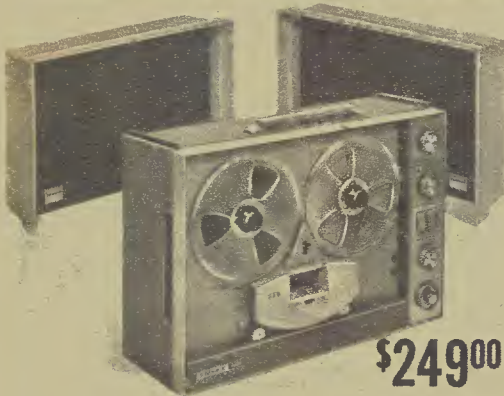
**\$199.95** \$10 monthly

Features 2-Way Speaker Systems

## PANASONIC RS-761S Stereo Tape Recorder

Solid-state 4-track stereo tape recorder records and plays at  $7\frac{1}{2}$ ,  $3\frac{3}{4}$  and  $1\frac{1}{8}$  ips. Features two detachable speaker enclosures, each with  $6\frac{1}{2}$ " oval and  $2\frac{3}{8}$ " dynamic speakers. 16-watt peak stereo amplifier. Sound-on-sound. Four-digit counter, pause control, two large level meters, automatic shutoff. Inputs: 2 mike, 2 aux. Outputs: preamp, stereo headphone. 30-18,000 Hz at  $7\frac{1}{2}$  ips. Walnut cabinets.  $11\frac{1}{4} \times 17\frac{3}{8} \times 6\frac{1}{2}$ ". With 2 mikes, 7" takeup reel. 115 VAC. Japan.

15 C 7140 U. Shpg. wt., 30 lbs. \$10 Monthly..... 199.95



**\$249.00**  
\$13 monthly

## AMPEX 861 Solid-State Stereo Tape Recorder

Famous Ampex quality. Records and plays 4-track stereo and mono at  $7\frac{1}{2}$ ,  $3\frac{3}{4}$ ,  $1\frac{1}{8}$  ips. Detachable 9x6" speakers separate to 30 feet, close to form cover. Features: deep gap heads, automatic tape lifters, push-pull hiss attenuator. Inputs: 2 mike, 2 aux. Outputs: preamp, ext. speakers, stereo headphone. Response, 15-15,000 Hz at  $7\frac{1}{2}$  ips.  $13\frac{1}{2} \times 19 \times 7\frac{1}{2}$ ". With 2 mikes, 7" takeup reel. For 115 VAC. Shpg. wt., 48 lbs.

15 C 7502 U. \$13 Monthly..... 249.00



# Deluxe Solid-State Stereo Tape Recorders



**AMPEX**

**New 1461 Reversing Recorder**

**\$429<sup>00</sup>**

- Automatic Reverse
- Automatic Threading
- 40-Watts Peak Power

\$19 monthly

Deluxe recorder offers renowned AmpeX quality and features. Automatic reverse for uninterrupted play. Records and plays 4-track stereo and mono at 7½, 3¾, 1½ ips. Automatic threading, tape monitoring, two VU meters, automatic tape lifters. Two speakers play stored within the recorder, or separate to 20'. Response, 50-15,000 Hz at 7½ ips. Flutter/Wow, .15% at 7½ ips. 13½x22¼x7". With 2 mikes, 7" reel of tape, takeup reel. For 115 VAC. Shpg. wt., 45 lbs. 15 C 7058 U. \$19 Monthly.... 429.00



**AMPEX**

**1161A Reversing Recorder**

**\$369<sup>00</sup>**

- Deep-Gap Heads
- Automatic Cuing
- Loads in Seconds

\$17 monthly

Feature-packed recorder threads itself automatically—plays complete 4-track stereo tape without reel changing or re-winding. Reverses electronically, automatic shutoff or replay. Slide-on speaker enclosures can be separated to 20'. Deep-gap heads, 2 VU meters, digital counter, automatic cuing, monitor, manual reverse. Speeds, 7½, 3¾, 1½ ips. 50-15,000 Hz at 7½ ips. Flutter/Wow, 0.15% at 7½ ips. 13½x19x7½". 7" reel capacity. With 2 mikes. 115 VAC. Shpg. wt., 48 lbs. 15 C 7264 U. \$17 Monthly.... 369.00



**BELL & HOWELL**

**New 2295 Stereo Recorder**

**\$369<sup>95</sup>**

- Automatic Loading
- Automatic Reverse
- 4-Speed Operation

\$17 monthly

Remarkable new stereo recorder is packed with deluxe features for superb performance and operating convenience. Automatic reverse, reversible head—records and plays 4-track stereo or mono in both directions. Automatic loading, head demagnetizing, tape lifters, shutoff. Pause control, two VU meters, digital counter, sound-with-sound. 7½, 3¾, 1½, 15/16 ips. 40-17,000 Hz at 7½ ips. Flutter/Wow, 0.09% at 7½ ips. 8½x13½x15½". 2 mikes. For 115 VAC. 39 lbs. 15 C 7027 U. \$17 Monthly.... 369.95



**AMPEX**

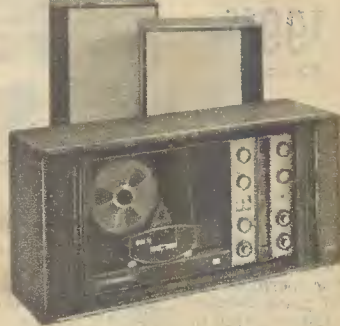
**New 2161 Stereo Recorder**

**\$459<sup>00</sup>**

- Automatic Reverse
- 9x6" Wing Speakers
- Dual Capstan Drive

\$20 monthly

New solid-state automatic reversing recorder records and plays 4-track stereo or mono in both directions at 7½, 3¾ and 1½ ips. Automatic threading. Dual capstan drive for perfect tape tension. Professional-quality deep-gap heads. Has a monaural mixer for mixing two sources on one track. 9x6" wing speakers separate for stereo, close to form cover. 50-15,000 Hz at 7½ ips. Flutter, 0.08% at 7½ ips. 13½x19x7½". 7" reel capacity. With 2 mikes. 115 VAC. 55 lbs. 15 C 7260 Z. \$20 Monthly.... 459.00



**AMPEX**

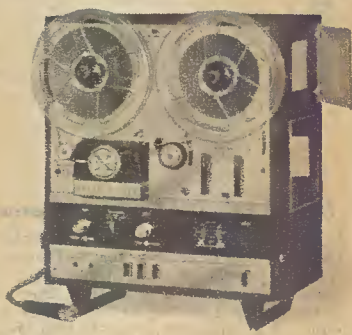
**985 Stereo Tape Music Center**

**\$600<sup>00</sup>**

- Built-In FM-AM
- 830 Speaker Systems
- Includes Phono Input

\$25 monthly

Luxurious music center features a deluxe automatic reversing recorder with built-in 30-watt peak stereo FM-AM receiver. Records and plays 4-track stereo at 7½, 3¾, 1½ ips. Deep-gap heads, pause control, digital counter, two VU meters, phono input. Oiled walnut cabinet with disappearing doors. 50-15,000 Hz at 7½ ips. Flutter/Wow, 0.15% at 7½ ips. With 830 walnut speaker systems. 8" woofer, 3½" tweeter. 7" reel capacity. 33x16x19½". Two mikes. 115 VAC. 121 lbs. 15 C 0093 L2Z. \$25 Monthly.... 600.00



**ROBERTS**

**778X Cartridge/Reel Recorder**

**\$399<sup>95</sup>**

- Record 8-Track Cartridge
- 4-Track Stereo Reels

\$18 monthly

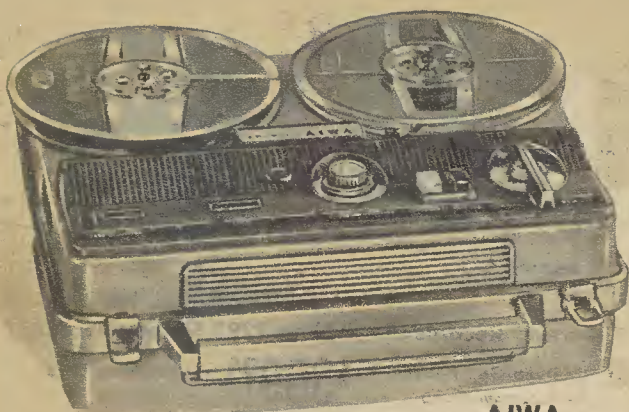
Extra-versatile recorder records and plays 4-track stereo or mono reel-to-reel tapes, plus 8-track stereo tape cartridges. Record your own cartridges for car stereo tape players. Cross-Field head for reel; 30-23,000 Hz reel; 50-15,000 Hz cartridge. Cartridge program selector. Speeds: 7½, 3¾, 1½ ips for reels; standard 3¾ ips for cartridges. Built-in 4" speakers. Digital counter. Takes 7" reels. 15x13½x9½". Less mikes. For 115 VAC. From Japan. Shpg. wt., 50 lbs. 15 C 7499 Z. \$18 Monthly.... 399.95

Start Your Stereo Tape System Now—Use Your Allied Credit Fund Plan

**ALLIED 147**



# Values in Solid-State Monaural Tape Recorders



**AIWA**

## Model TP-802 in Attache-Style Case

**\$89<sup>95</sup>**

\$5 monthly

- Level Meter, Digital Counter
- Tone Control • 7" Capacity
- Remote Start/Stop Mike

Makes high-quality monaural recordings of voice or music. Solid-state circuit has frequency response of 70-15,000 Hz for excellent clarity. Plays through built-in 6" speaker or earphone. Also has outputs for playback through hi-fi system or external speaker. Full 7" reel capacity permits recording lengthy radio broadcasts on a single tape. Has recording level meter, digital counter, pushbutton fast forward, and tone control. Operates at 7½ and 3¾ ips. Handsomely styled vinyl-coated steel attache-style case. 6x 14x14". With remote-control start/stop mike, earphone, 7" takeup reel, reel of tape, patch cords for taping direct from radio-TV-phonograph. For 115 VAC. Japan. Shpg. wt., 18 lbs.  
15 C 7258 X. \$5 Monthly..... 89.95



**PANASONIC**

Sound  
Monitoring  
Selector

**\$99<sup>95</sup>**

\$5 monthly

## Model RQ-7065 with Automatic Level Control

Compare its expensive-recorder features with its low price. Choice of automatic or manual level control for distortion-free recording. Sound monitoring selector permits recorder's use as a PA system. Records and plays 2-track monaural at 1⅞, 3¾, or 7½ ips. Beautiful reproduction of voice or music from 50 to 15,000 Hz at 7½ ips. Two dual-cone speakers. Solid-state circuit. Push-to-reset tape counter, level meter, pause control, tone control. With mike, earphone, 7" takeup reel. 12x14x6¾". For 115 VAC. Japan. Shpg. wt., 19 lbs.  
15 C 7259 X. \$5 Monthly..... 99.95



**HITACHI**

**NEW**  
at **ALLIED**

Pushbutton  
Controls,  
"Levelmatic"

**\$99<sup>95</sup>**

\$5 monthly

## Model TRQ-710 Pushbutton Recorder

Features "Levelmatic" for always-correct recording level, pushbutton operation, and monitor facilities. Records and plays 2-track monaural without fading or blasting... you check performance through monitor earphone. Plays at 7½, 3¾, and 1⅞ ips. Response is 50-15,000 Hz at 7½ ips. Built-in 6x4" speaker; mike, line inputs; line, earphone, speaker outputs. With digital counter; level lamp; tone control. Solid-state circuit. 7¼x13¾x15¾". With mike, 5" reel tape, splicing tape, 7" takeup reel. For 115 VAC. Japan. Shpg. wt., 22 lbs.  
15 C 7147 X. \$5 Monthly..... 99.95



**NEW**  
at **ALLIED**

## SONY 104-A with Level Control and Monitor

**\$112<sup>50</sup>**

\$6 monthly

- Automatic/Manual Level Control
- Automatic Sentinel Shut-Off
- Instant One-Handed Tape Threading

Automatically adjusts recording level, or lets you adjust it manually using level meter. Also has instant tape threading; automatic shutoff; amplifier that doubles for PA; pause control; digital counter; automatic tape lifter; 2-track heads; 1⅞, 3¾, 7½ ips speeds. 40-18,000 Hz at 7½ ips. 6x4" speaker; low- and high-impedance inputs; outputs for monitor and speaker. With mike, earphone, 7" takeup reel. 6½x16x10¾". For 115 VAC. Japan. Shpg. wt., 16 lbs.  
15 C 7253 U. \$6 Monthly..... 112.50



# .. II ith Portable Case and 7" Reel Capacity

## TP-719 Deluxe Battery/AC Portable

- Plays 2-Track Mono at 3 Speeds **\$119.95**
- Automatic Level Control
- Handsome Attache Case Styling \$6 monthly

Full 7" reel capacity in a compact portable that travels in a deluxe, lockable attache case. Ideal for the salesman or executive on-the-go. Features automatic recording level control for distortion-free 2-track mono recordings. Pushbutton function control for fast-forward, rewind and playback. Three capstan-controlled speeds: 1 7/8, 3 3/4, 7 1/2 ips. Other features: level meter; digital counter; tone control; 5" oval speaker; input for recording from radio-TV. 3 5/8x16 1/2x13". With remote-control start/stop mike, 7" takeup reel, 4 batteries, 12 VDC car adapter. Operates on batteries, 12 VDC or 115 VAC. From Japan. Shpg. wt., 17 lbs.  
15 C 7271 U. \$6 Monthly..... 119.95

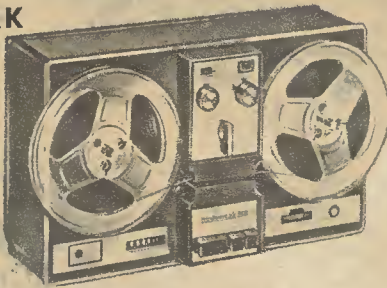


AIWA

## WOLLENSAK

Built-In  
Head  
Demagnetizer

**\$159.95**  
\$8 monthly



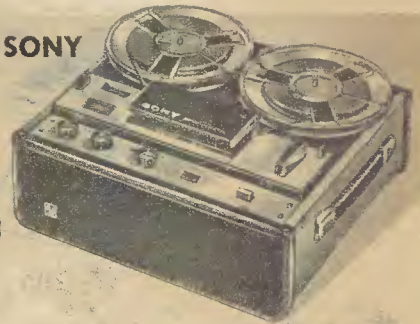
### Model 5710 Full-Feature Recorder

Superb engineering features. Power-activated pushbutton control center; built-in tape head demagnetization; full tape monitoring facilities. Operates vertically or horizontally. 1 7/8, 3 3/4, 7 1/2 ips speeds; 40-17,000 Hz response at 7 1/2 ips. Level meter; 2-track heads; pause control; counter; tape lifter; reel locks; 6x4" speaker. With mike, 7" reel of tape, takeup reel. 7x16x10". For 115 VAC.  
15 C 7041 U. Shpg. wt., 23 lbs. \$8 Monthly..... 159.95

## SONY

Loaded with  
Automatic  
Features!

**\$139.50**  
\$7 monthly



### Model 105 4-Track Recorder with AVC

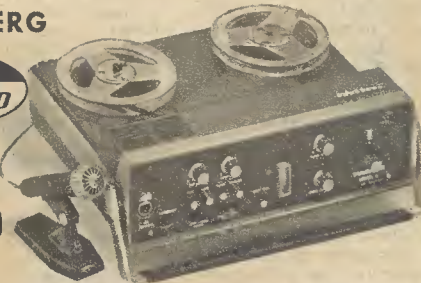
Four tracks for double recording time. Automatic Volume Control maintains a constant level—no fading or blasting. Retractable pinch rollers for easy threading. 1 7/8, 3 3/4, 7 1/2 ips speeds; 40-18,000 Hz at 7 1/2 ips. Separate record/play level controls; automatic shutoff; tone control; level meter; instant stop; digital counter; AVC defeat. 6x14x8". With mike, earphone, 7" takeup reel. 117 VAC.  
15 C 7287 U. Japan. 12 lbs. \$7 Monthly..... 139.50

## TANDBERG

NEW  
at ALLIED

Professional  
Monaural  
Recorder

**\$449.00**  
\$20 monthly



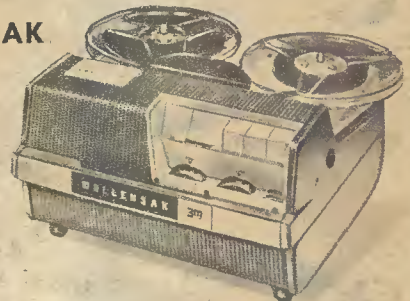
### Model 11 Broadcast-Quality Portable

65-semiconductor circuit. Constant 1 5/16, 1 7/8, 3 3/4, 7 1/2 ips speeds. Three precision heads. Two-track record, playback. 30-20,000 Hz. Flutter/Wow, 0.1% ips. Battery check/VU meter; mike, radio, line inputs; line, monitor outputs; separate vol. controls. Provision for AC adapter. 7" takeup reel. Less mike, batteries. 4x13x10". Norway.  
15 C 7655 U. Shpg. wt., 9 1/2 lbs. \$20 Monthly..... 449.00  
18 C 5346. "D" Alkaline Batts. (Uses 10.) 10 oz. Pkg. 2/1.18

## WOLLENSAK

Push-Pull  
10-Watt  
Amplifier

**\$184.95**  
\$10 monthly



### Model 1500SS Hi-Fi Tape Recorder

All-transistor or mono recorder with keyboard operation, level indicator and provision for monitoring or PA use. Digital counter; tape lifters; tone control; 10-watt push-pull amplifier. 7 1/2 and 3 3/4 ips speeds. 40-15,000 Hz response at 7 1/2 ips. Inputs: mike, radio/phone. Outputs: external speaker, preamp. 6 1/2x10 1/4x11 3/4". With mike, 7" takeup reel, reel of tape. For 115 VAC. 20 lbs.  
15 C 7339 U. \$10 Monthly..... 184.95

Start Recording Right Away—Use Your Allied Credit Fund

ALLIED 149



# Big Values in 5"-Reel Portable Tape Recorders



AIWA

TP-730 Battery/AC 5" Reel Portable

**\$59<sup>95</sup>**

\$5 monthly

- Automatic Level Control
- 2-Speed Capstan Drive
- Built-In 4x2 3/4" Speaker

Solid-state model for "note-taking," meetings, talk-as-you-go "memos," "living letters" to family or friends—many other uses. Offers up to 3 hours recording time on a 900' reel using both tracks at 1 7/8 ips. Capstan drive for constant 3 3/4" or 1 7/8 ips on battery or AC. Inputs for taping from mike, radio or TV; earphone and external speaker outputs; Automatic Level Control for distortion-free recordings; pushbutton operation; volume, tone controls; VU meter; AC pilot light. 3 3/8 x 11 x 12 3/4". With stop/start mike, earphone, AC cord, batteries, 5" tape, takeup reel. Japan. Shpg. wt., 12 lbs.  
15 C 7516 X. \$5 Monthly.....59.95



CRAIG

**\$59<sup>95</sup>**

\$5 monthly



AIWA

**\$69<sup>95</sup>**

\$5 monthly

**A Craig 2106 Battery Portable with ALC**

Monaural recorder operates at 3 3/4" and 1 7/8 ips. Automatic Level Control prevents distortion from over-recording. Single "T" control for record, play, stop, rewind, fast forward; solid-state circuit; capstan drive. 10 1/2 x 11 1/2 x 4 1/8". With stop/start mike, 5" tape, earphone, takeup reel. Order 4 batteries below. Japan. 9 3/4 lbs. 15 C 7534 X.....59.95  
18 C 5779. Batteries. Shpg. wt., 10 oz.....Pkg. of 2 for 33¢

**B Aiwa TP-713 Battery/AC Portable with AVC**

Solid-state monaural recorder operates from 4 "D" batteries or 110-volt AC. Capstan drive at 3 3/4" and 1 7/8 ips. Pushbutton controls; Automatic Volume Control prevents fading and blasting on recordings; tone control; Record/Battery Level meter; input for radio-TV-phonos; 4x2 3/4" speaker; digital counter. 3x11 1/8 x 12". With stop/start mike, earphone, 5" tape, takeup reel, batt. Japan. 15 C 7274 U. Wt., 10 lbs...69.95

**C Panasonic RQ-156 Battery/AC Portable**

Solid-state mono recorder with capstan drive for exact speeds. If AC fails batteries take over automatically. Pushbutton operation; sound monitoring; push-to-reset digital counter; Record/Battery Level meter. 3 3/4" and 1 7/8 ips. 3 3/8" speaker. With stop/start pencil mike, earphone, 5" tape, takeup reel. AC cord, batteries. U.L. Listed. 9 1/2 x 11 1/2 x 4". Japan. Shpg. wt., 7 1/2 lbs. 15 C 7160 X.....69.95

**D Panasonic RQ-501S with Reversing Feature**

Solid-state mono recorder records and plays in either direction—no need for reel turn-over. Plays on batteries or AC power. If AC fails, batteries take over automatically. Capstan drive at 3 3/4" and 1 7/8 ips. "Easy-Matic" switch for distortion-free recording every time. Record/Battery Level meter; digital counter. 3 3/8 x 11 3/8 x 10". With mike, 5" tape, batt., takeup reel. Japan. 15 C 7153 X. Wt., 7 lbs....79.95

NEW  
at ALLIED



PANASONIC

**\$69<sup>95</sup>**

\$5 monthly



PANASONIC

**\$79<sup>95</sup>**

\$5 monthly



# Deluxe Battery/AC 5"-Reel Tape Recorders

## TP-1013 Battery/AC Stereo Recorder

- 4-Track Stereo or Mono
- Detachable Speaker
- Pushbutton Operation

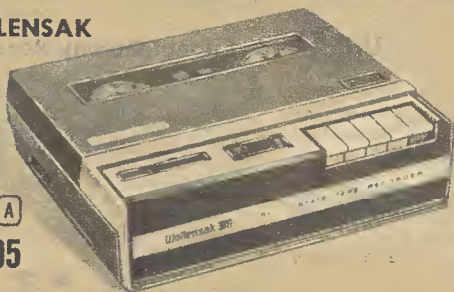
**\$79<sup>95</sup>**

\$5 monthly

Four-track stereo and mono portable tape recorder for what you would normally expect to pay for a mono recorder. Solid-state circuit for instant record and playback; 2-speed capstan drive, 3 $\frac{3}{4}$  and 1 $\frac{7}{8}$  ips; separate channel volume controls; recording/battery level meter. Two speakers—one detachable for wide stereo channel separation; pushbutton control of forward, stop, rewind and record. Inputs for recording direct from radio, TV or phono. Operates from 4 "D" batteries or AC. 3 $\frac{3}{8}$ x11 $\frac{1}{8}$ x15". With 2 mikes, 2 earphones, 5" reel of tape, 5" takeup reel, batteries, AC cord. Japan. 12 lbs. 15 C 7544 X. \$5 Monthly.....79.95



## WOLLENSAK



**A**

**\$89<sup>95</sup>**

\$5 monthly

### **A** Wollensak 3500 with ALC and Battery/AC Operation

Records and plays from batteries or AC monaurally at 3 $\frac{3}{4}$  and 1 $\frac{7}{8}$  ips. Capstan drive. Automatic Level Control prevents over-recording. Pushbutton operation; recording/battery meter; tone control; digital counter. 11 $\frac{1}{2}$ x10 $\frac{1}{4}$ x4". Stop/start mike, earphone, 5" tape, takeup reel, AC cord. Order 6 batteries below. Japan. 9 lbs. 15 C 7522 X.....89.95  
18 C 5779. Batteries. Shpg. wt., 10 oz.....Pkg. of 2 for 33 $\frac{1}{2}$

### **C** Panasonic 4-Track RQ-1945 with Battery/AC Operation

Four-track monaural heads for double recording time! If AC fails, batteries take over automatically. "Easy-Matic" prevents over-recording. Sound-on-sound, sound-with-sound, level meter, digital counter. 3 $\frac{3}{4}$ , 1 $\frac{7}{8}$  ips. Attache case, 4x14 $\frac{3}{4}$ x11". With remote stop/start mike, earphone, 5" reel of tape, takeup reel, patch cord, AC cord, and batteries. From Japan. Shpg. wt., 7 lbs. 15 C 7463 X.....99.95

## AIWA



**B**

**\$84<sup>95</sup>**

\$5 monthly

### **B** Aiwa TP-705 with AVC and Battery/AC Operation

A fine monaural recorder featuring Automatic Volume Control to prevent distortion. Capstan drive at 3 $\frac{3}{4}$  or 1 $\frac{7}{8}$  ips, on batteries or AC power. Instant-operation solid-state circuit. Pushbutton controls, recording/battery level meter, tone control, plus digital counter. 3 $\frac{3}{8}$ x10 $\frac{3}{8}$ x12". With stop/start mike, earphone, 5" tape, takeup reel, batteries, AC cord. Japan. Shpg. wt., 12 lbs. 15 C 7272 X.....84.95

### **D** Crown 5002 with AVC and Voice-Actuated Circuit

Voice-actuated monaural recorder starts at the sound of a voice, stops when voice stops. Also operates manually. 3 $\frac{3}{4}$  and 1 $\frac{7}{8}$  ips. Automatic Volume Control prevents over-recording. Response, 100-10,000 Hz; solid-state circuit; tone switch. 4 $\frac{3}{16}$ x11 $\frac{1}{4}$ x8 $\frac{1}{8}$ ". With mike, earphone, 5" tape, takeup reel, batteries, telephone pickup. Japan. Shpg. wt., 10 lbs. 15 C 7390 X.....79.95  
15 C 7392. AC Adapter.....8.95

## PANASONIC

**\$99<sup>95</sup>**

\$5 monthly

**C**



## CROWN

**D**

**\$79<sup>95</sup>**

\$5 monthly



NEW  
at **ALLIED**

Use Your Allied Credit Fund to Buy the Recorder You Want Now

ALLIED 151



# Deluxe 5"-Reel Recorders



SONY

**\$99.50**  
\$5 monthly

## Battery/AC Recorder with ALC

222. Compact solid-state portable tape recorder operates on 117 VAC or from 5 "D" batteries. Records and plays crystal-clear mono at 3 3/4 and 1 7/8 ips. Easy-to-use single lever function control. Switchable automatic level control. Battery condition/record level meter. 3-digit counter. 5 1/2 x 2 1/2" speaker. 12x9x4". With remote stop-start mike, 5" takeup reel, and batteries. From Japan. 12 lbs.

15 C 7568 X. \$5 Monthly..... 99.50



CROWN

NEW  
at ALLIED

**\$169.95**  
\$9 monthly

## Battery/AC Recorder with FM-AM Radio

6250F. Solid-state portable in attache-style case has built-in FM-AM radio—you can record from it directly. Records and plays mono at 3 3/4 and 1 7/8 ips. Tape repeater for endless play of 15-second recording, automatic level control, level meter. Pushbutton operation. Operates on 117 VAC or 6 "D" batteries. 3x5" speaker. With remote stop-start mike, 5" takeup reel, batteries. Japan. 11 lbs.

15 C 7320 U. \$9 Monthly..... 169.95



A

CROWN  
**\$159.95**  
\$8 monthly

B

SONY  
**\$179.50**  
\$9 monthly

## UHER Professional-Quality Recorders

4000L C  
4-Speed Mono  
Battery/AC  
Recorder

**\$310.00**  
\$15 monthly



D  
Model 1000  
Sound/Film  
Sync  
Recorder

**\$695.00**  
\$29 monthly



## A Recorder/FM Radio with Wireless Mike

5950PA. Unique recorder with built-in FM radio, plus wireless stop-start mike for recording from up to 50-ft. away. Records and plays mono at 3 3/4 and 1 7/8 ips using 6 "D" batteries or 120 VAC. Automatic level control. PA facility. Solid-state. 4 1/2 x 11 1/8 x 10 3/4". With batteries, earphone, 5" reel of tape, telephone pickup, wireless and conventional start-stop mikes. Japan. 12 lbs.

15 C 7391 U. \$8 Monthly..... 159.95

## B "Servocontrol 800" 3-Speed Recorder

Top-quality recorder features direct capstan drive plus servo-controlled motor for precise 7 1/2, 3 3/4 and 1 7/8 ips speeds. Pushbutton controls, manual and automatic volume control, tone control, level/battery meter, digital counter, radio-pbno input. Solid-state. Operates on 8 "D" batteries or 120 VAC. 4 1/4 x 12 1/4 x 10 1/2". Response, 50-18,000 Hz at 7 1/2 ips. With stop-start cardioid mike. From Japan. Sbp. wt., 15 lbs.

15 C 7413 U. \$9 Monthly..... 179.50

## C 4000L Solid-State Monaural Recorder

Records and plays in any position at 7 1/2, 3 3/4, 1 7/8, 1 5/8 ips. 40-20,000 Hz at 7 1/2 ips. Calibrated VU meter. Piano-key controls. Operates on optional "Dryfit" battery pack or optional 120 VAC adapter, below. 3 1/2 x 9 x 11".

15 C 7512 U. W. Germany. 8 lbs. \$15 Monthly.... 310.00

15 C 7561 U. Uher 4400 Stereo Recorder. 4 speeds. 4-track stereo. 2 VU meters. Accessories below. 8 lbs..... 450.00

15 C 7509. Uher M-514 Remote Mike. 2 lbs..... 50.00

15 C 7187 X. Leather Case. 4 lbs..... 30.00

15 C 7510. Rechargeable Battery Pack. 2 1/2 lbs..... 20.00

15 C 7511. AC Supply and Battery Charger. 3 lbs..... 30.00

## D 1000-Report Sound/Film Sync Recorder

Pilotone records sound in direct sync with sync-generator-equipped movie cameras. Full-track mono. Power, size and accessories (except mike) as above. W. Germany.

15 C 7562 U. Wt., 8 lbs. \$29 Monthly..... 695.00

15 C 7559 S. Madel MD-421 Remote Mike. 3 1/2 lbs..... 136.00



# Compact 3 1/4"-Reel Recorders



**NEW**  
at **ALLIED**

**AIWA** \$2995  
\$5 monthly



**PANASONIC** \$2995  
\$5 monthly

## TP-714 Solid-State Portable Tape Recorder

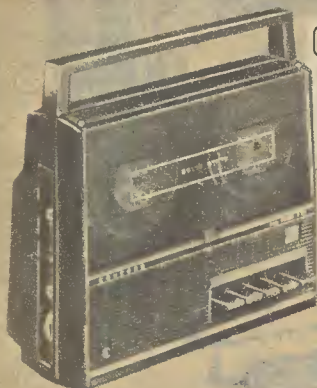
Quality portable records and plays at 3 3/4 and 1 7/8 ips. Capstan drive maintains uniform tape speed. Features easy-to-use pushbutton controls. Tone control. 6x2" oval speaker delivers clear sound. Auxiliary input jack. Extension speaker output jack. 2 5/8x9x9". With stop-start dynamic mike, 4 "C" batteries, reel of tape, takeup reel, earphone. From Japan. 7 lbs.

15 C 7183 X. \$5 Monthly..... 29.95

## RQ-113S Solid-State Portable Tape Recorder

Solid-state portable is ideal for tape correspondence, dictation, classes. Automatic level control lets you pick up faint sounds, prevents distortion from loud sounds. Records and plays 2-track mono at 3 3/4 and 1 7/8 ips. Built-in speaker. Size, 3 1/4x9x10". With dynamic remote stop-start mike, 6 "C" batteries and reel of recording tape. From Japan. Shpg. wt., 5 lbs.

15 C 7418 X. \$5 Monthly..... 29.95



**CRAIG** **B**  
\$3995  
\$5 monthly



**SONY** **D**  
\$6995  
\$5 monthly



**A** **CONCORD**  
\$3950  
\$5 monthly

**C** **PANASONIC**  
\$4995  
\$5 monthly

**NEW**  
at **ALLIED**

**NEW**  
at **ALLIED**

### **A** Concord F-89 Battery/AC Recorder

Versatile recorder operates anywhere on 4 "C" batteries or 120 VAC. Records and plays crystal-clear mono at 3 3/4 and 1 7/8 ips. Convenient pushbutton controls. Two built-in speakers deliver wide-range sound. Solid-state. 9 1/4x4 3/8x10". With remote stop-start mike, stand, 3 1/4" takeup reel. Order batteries below. From Japan.

15 C 7149 X. Shpg. wt., 4 1/2 lbs. \$5 Monthly..... 39.50  
18 C 5078. "C" Batteries. Uses 4. Wt., 10 oz. Pkg. of 2/33¢

### **B** Craig 212 Recorder with ALC

Solid-state recorder makes flawless mono voice recordings, is perfect for tape correspondence. Automatic level control prevents distortion. Operates at 3 3/4 and 1 7/8 ips on 6 "C" batteries. Single "T" function control, record safety lock. With remote stop-start mike, 3 1/4" reel of tape, takeup reel. 3 7/8x7 1/4x9 3/4". Order batteries, above. From Japan. Shpg. wt., 5 lbs.

15 C 7280 X. \$5 Monthly..... 39.95

### **C** Panasonic RQ-121S Recorder/AM Radio

Smartly-styled solid-state portable recorder features a built-in AM radio. Record direct from radio or live, with mike. Operates anywhere on 6 "C" batteries or 115 VAC. Record and play clear mono at 3 3/4 and 1 7/8 ips. Single lever control, fast forward and rewind. Source monitoring. 3 1/4x11 1/2x9". With remote stop-start mike, batteries, 3 1/4" reel of tape, takeup reel. Japan. 8 lbs.

15 C 7462 X. \$5 Monthly..... 49.95

### **D** Sony 910 Battery/AC Tape Recorder

Feature-packed portable operates on 4 "D" batteries or 120 VAC. Records and plays excellent mono at 3 3/4 and 1 7/8 ips. Automatic level control. Level meter. Automatic tape lifter protects heads during fast forward and rewind. Size, 4 1/2x8 3/4x8 1/2". With remote stop-start microphone, earphone, 3 1/4" takeup reel, and four "D" batteries. From Japan. Shpg. wt., 6 lbs.

15 C 7254 X. \$5 Monthly..... 69.95

These Recorders Feature Constant-Speed Capstan Drive . . . for Voice Recording **ALLIED** 153



# ALLIED

## Latest Tape Cassette Recorders

Built-In  
AC Cord  
and Plug

Includes  
AC  
Adapter

Fast, Easy  
Cassette  
Loading

**NEW**

### ALLIED 1150 Deluxe Battery/AC Solid-State Tape Cassette Recorder

**\$89<sup>95</sup>**

\$5 monthly

- Pop-Up Cassette Loading, Removal
- Switchable Automatic Level Control
- 200-11,000 Hz Frequency Response
- Pours Out 1 1/4-Watt Music Power

Deluxe solid-state portable cassette recorder operates on 6 "C" batteries or 120 VAC. Use it anywhere, anytime. Records and plays up to 2 hours (2-track mono) using standard Philips-type tape cassettes. Pop-up cassette loading and removal is fast and easy. Delivers clear, distinct sound with wide 200-11,000 Hz response.

Handy keyboard-type pushbuttons; pause button, fast forward and rewind for easy editing. Switchable automatic level control avoids fading and overload distortion. Tone control. Monitor switch. Auxiliary input for recording direct from radio-phono-TV. Battery/level meter. With remote stop-start dynamic mike, C-60 cassette, leatherette carrying case, shoulder strap. Order batteries below. 9 3/8 x 6 x 2 5/8". Japan. Shpg. wt., 5 lbs.

15 C 7116 X. \$5 Monthly..... 89.95  
18 C 5078. "C" Batteries. (Uses 6.) 4 oz. Pkg. of 2/33c

### ALLIED 1100 Solid-State Cassette Recorder with Snap-On AC Adapter

**\$59<sup>95</sup>**

\$5 monthly

- Easy-to-Use Keyboard Controls
- Cassettes Snap In and Out Easily
- Record Level/Battery Meter
- With Vinyl Portable Carrying Case

Compact portable tape cassette recorder is just right for on-the-go recording in classroom, car, home or office. Cassette snaps in and out instantly. Records and plays up to 2 hours (both tracks) of extra-clear mono. Versatile recorder plays on 5 "C" batteries or from AC adapter. Snap-on adapter becomes part of recorder when in use; has cord storing compartment.

Easy-to-use keyboard-type pushbuttons with fast forward and reverse. Record interlock button prevents accidental tape erasure. Record level/battery condition meter. 3 1/2" speaker, extension speaker jack. With snap-on AC adapter, remote stop-start dynamic mike, 60-minute C-60 cassette, batteries, earphone and vinyl carrying case for portable use. 12x6x4". From Japan. Shpg. wt., 7 lbs.

15 C 7138 X. \$5 Monthly..... 59.95  
18 C 5078. Extra "C" Batteries. (Uses 5.) 4 oz. Pkg. of 2/33c



# Solid-State Portable Tape Cassette Recorders

AIWA

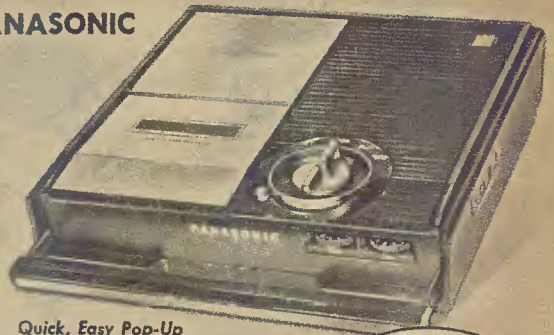


**\$39<sup>95</sup>**  
\$5 monthly

## New TP-736 Budget-Priced Cassette Recorder

Quick efficient cassette operation . . . perfect for the man on the go. Compact recorder offers good performance at a moderate price. Records and plays 2-track mono on easy-loading, drop-in Philips-type cassettes. Automatic volume control prevents fading or overload distortion—perfect for conference recording. Single-lever control, 2 1/4" speaker. Operates on 4 "C" batteries. 5x8 1/4 x 2 1/2". With stop-start mike, batteries, earphone, carrying strap. From Japan. Shpg. wt., 4 1/2 lbs.  
15 C 7033 X. \$5 Monthly..... 39.95

PANASONIC



Quick, Easy Pop-Up  
Cassette Loading

**\$49<sup>95</sup>**  
\$5 monthly

OPERATES  
ON BATTERIES  
OR 117 VAC

## RQ-2035 Battery/AC Cassette Tape Recorder

Versatile cassette recorder goes with you everywhere. Operates on 6 "C" batteries or 117 VAC. Features fast, easy pop-up cassette loading and removal. Automatic level control prevents overload distortion, assures you of perfectly clear 2-track mono recordings. Clean, distinct playback through 3" speaker. Monitor facility. Single-knob function control. With remote stop-start mike, Philips-type tape cassette, batteries, and AC cord. Size, 2 3/4 x 9 x 10". From Japan. Shpg. wt., 5 lbs.  
15 C 7491 X. \$5 Monthly..... 49.95

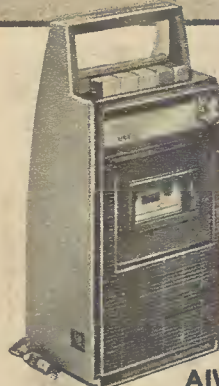


AIWA

## TPR-103 Recorder/AM Radio

**\$69<sup>95</sup>** Compact Cassette  
Recorder with  
\$5 monthly Built-In AM Radio

Full-feature cassette recorder includes a built-in AM radio. Records direct from radio, or from mike. Automatic volume control, level/battery meter, tone switch, monitor, ferrite bar antenna. Cassette pops up automatically at end of tape. 3 3/4 x 2 1/4" oval speaker. Uses 4 "C" batteries or 117 VAC. With stop-start mike, batt., earphone, AC cord, cassette, Japan.  
15 C 7195 X. 5 lbs. \$5 Mo. 69.95



AIWA

## TP-728 Battery/AC Recorder

**\$59<sup>95</sup>** Automatic Level  
Control Prevents  
\$5 monthly Overload Distortion

Easy-to-carry cassette recorder operates anywhere on 4 "C" batteries or 117 VAC. Records and plays up to 2 hours (2-track mono). Automatic level control. Convenient pushbutton operation. Cassette pops-up when stop button is pressed. Delivers clear sound from 4x2 1/8" speaker. 10 3/4 x 6 x 3 1/8". With stop-start mike, batteries, AC cord, earphone, cassette, Japan. 4 1/2 lbs.  
15 C 7517 X. \$5 Monthly.. 59.95



Record Off the Air  
or "Live" with Mike

CONCORD

## F-103 FM-AM "Radiocorder"

**\$99<sup>50</sup>** Cassette Recorder  
with Built-In  
\$5 monthly FM-AM Radio

This "Radiocorder" is an entertainment center in itself. Full-feature cassette recorder records and plays up to 2 hours on Philips cassettes. Record direct from radio, or "live" with mike. Record level/battery condition meter. AFC on FM, AM and FM antennas. Tone control. Uses 5 "D" batt. (order below) or 117 VAC. With mike, Japan.  
15 C 7536 X. 5 1/2 lbs. \$5 Mo. 99.50  
18 C 5079. Batt. 10 oz.. Pkg. 4/65¢

Allied has a Quality Cassette Recorder for Every Need and Budget

ALLIED 155



# Portable Solid-State Mono Cassette Recorders



**Norelco "Carry-Corder 150"  
Cassette Tape Recorder**

Battery Powered **\$59<sup>50</sup>** \$5 monthly

Makes amazingly clear voice and music mono recordings. Records up to 2 hours with easy-loading cassette, at 1 7/8 ips (both tracks). Level meter for perfect recordings. Input for radio, output for external amplifier. 7 3/4 x 4 1/2 x 2 1/4". Carrying case, remote mike, patch cord, C-60 tape cassette. Uses 5 batteries (order below). From Holland. Shpg. wt., 4 lbs.

15 C 7212 S. \$5 Monthly. . . . . 59.50  
18 C 5865. Batteries. 4 oz. . . . . Pkg. 2/33¢  
15 C 7215. AC Adaptor. 1 lb. . . . . 19.90



**Hitachi TRQ-220 Cassette Recorder with ALC**

Battery/AC Powered **\$69<sup>95</sup>** \$5 monthly

Records and plays on batteries or 117-VAC. Automatic Level Control eliminates distortion caused by over-recording. Pushbutton operation. Easy "pop-up" loading. Record/battery level meter. Input for radio-TV, output for external speaker, earphone. Volume, tone controls. With remote mike, case, earphone, C-60 cassette. 2 3/8 x 5 1/2 x 9 3/4". Order 4 "C" batteries below. Japan. Shpg. wt., 4 lbs.

15 C 7097 S. \$5 Monthly. . . . . 69.95  
18 C 5078. "C" Batt. 4 oz. . . . . Pkg. 2/33¢



**Wollensak 4200 Portable Cassette Tape Recorder**

Battery Powered **\$69<sup>95</sup>** \$5 monthly

Deluxe convenience-engineered recorder features single 4-position switch for instant control of tape direction. Has separate recording level and volume controls. Safety interlock prevents accidental erasure. Recording level/battery condition meter. ±3 dB, 80-10,000 Hz. With remote-control mike/stand, C-60 cassette, carry case. 4 1/2 x 7 1/8 x 2 1/4". Order batt. below (Uses 5). Holland. 4 lbs.

15 C 7349 S. \$5 Monthly. . . . . 69.95  
18 C 5078. "C" Batt. 4 oz. . . . . Pkg. 2/33¢



**Sony 100 Recorder With Automatic Level Control**

Battery/AC Powered **\$99<sup>50</sup>** \$5 monthly

One of the finest cassette portable recorders available! Plays on batteries, or 117 VAC with built-in cord, plug. Automatic Level Control prevents distortion caused by over-recording. Easy pushbutton operation. Tone control. Fingertip cassette ejector—cassettes pop in and out instantly. Record level/battery condition meter. Radio-TV input. 9 1/2 x 2 9/8 x 5 1/2". With remote control mike, earphone, case, cassette, four "C" batteries. From Japan. Shpg. wt., 7 lbs.

15 C 7071 S. \$5 Monthly. . . . . 99.50



**Panasonic RQ-210S With Integrated Circuits and ALC**

Battery Powered **\$99<sup>95</sup>** \$5 monthly

Advanced-design recorder features six integrated circuits for more performance, plus smaller size. Automatic Level Control eliminates distortion from over-recording. Single touch-lever operation. Convenient "pop-up" cassette loading. Record level/battery condition meter. Output for external amplifier. With remote control mike and stand, C-60 cassette, earphone, carrying case, 4 "AA" batteries. Size, 1 7/8 x 3 3/4 x 6 1/16". From Japan. Shpg. wt., 2 1/2 lbs.

15 C 7461 S. \$5 Monthly. . . . . 99.95



**Sony TC-50 Cassette-Corder —Our Smallest Cassette Model**

Battery Powered **\$119<sup>50</sup>** \$6 monthly

Smallest and lightest tape cassette recorder we sell . . . actually can fit in a coat pocket, but with same fine performance of larger models. Automatic Recording Control for easy, distortion-free recording every time. Features separate built-in mike and speaker, recording level/battery condition meter, convenient pushbutton controls. Complete with snap-in battery pack, leather carrying case, 4 "AA" batteries, one C-60 tape cassette. Size, 7 x 3 x 1 1/2". Japan. Wt., 2 lbs.

15 C 7073 S. \$6 Monthly. . . . . 119.50



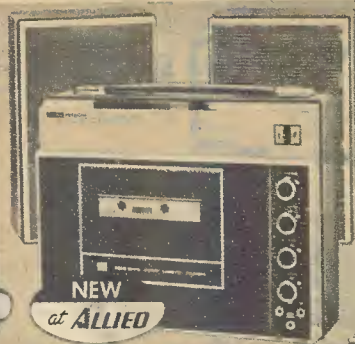
# Solid-State Stereo Cassette Tape Recorders



**Crown CSC-9350 Portable Stereo Tape/FM-AM Radio**

Battery/AC Powered **\$159<sup>50</sup>** \$8 monthly

Full-feature portable includes stereo FM-AM receiver, stereo cassette tape recorder, and detachable speakers. Records AM and stereo or mono FM, makes "live" recordings from mikes. Pushbutton recorder operation. Tone control. Record level meters. Aux. input, preamp output, stereo headphone jack. AFC. Hi-impact cases. 12½x4x17½". With mikes, C-60 cassette. For 117 VAC/batteries (included). Japan. Wt., 11 lbs. 15 C 7530 U. \$8 Monthly. .... 159.50



**Hitachi TRQ-222 Portable Recorder with "Levelmatic"**

Battery Powered **\$129<sup>95</sup>** \$7 monthly

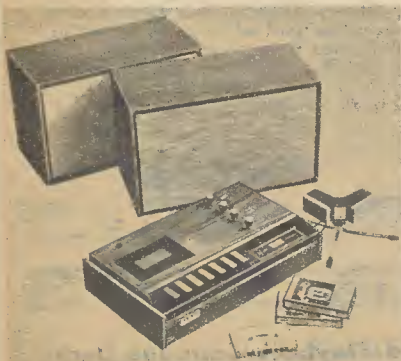
Deluxe recorder tapes 4-track stereo and mono. Has "Levelmatic" feature for perfect recordings every time. Operates anywhere on batteries or 117 VAC. Convenient pushbutton operation with pop-up loading. Individual volume and tone controls for each channel. Two record level meters. Speakers separate up to 15 ft. for great stereo listening. Earphone output. With two mikes, batteries. 11x8¾x6¼". Japan. Wt., 6 lbs. 15 C 7098 U. \$7 Monthly. .... 129.95



**Aiwa TP-1004 Portable Cassette Recorder Outfit**

Battery/AC Powered **\$109<sup>95</sup>** \$6 monthly

Compact system records and plays 4-track stereo and mono. Pushbutton controls, level and tone controls for each channel. Two record level meters. Two 3x5" speakers in matching enclosures. Handy accessory storage compartment. Records from mikes, radio/phone/TV. With 2 dynamic mikes (one with remote control), C-60 cassette, two earphones. For 115 VAC or batteries (included). 12¾x4x13x3½". Japan. Shpg. wt., 9 lbs. 15 C 7162 U. \$6 Monthly. .... 109.95



**Ampex "Micro 85" Deluxe Stereo Tape System**

AC Powered **\$189<sup>00</sup>** \$10 monthly

Quality home recording system tapes and plays 4-track stereo and mono. Easy-to-use pushbuttons provide positive control of all functions. Digital counter for indexing tapes. Record level meter. Pause control. Three-piece ensemble is handsomely finished in oiled walnut veneer. Wide-range 6x9" speaker systems. Includes two omnidirectional mikes with table stand. Size: recorder, 3½x14¾x8½"; speakers, 14½x9x7¼" each. For 117 VAC. Austria. Wt., 36 lbs. 15 C 7520 U. \$10 Monthly. .... 189.00



**Concord F-400 Portable Recorder With ALC**

Battery/AC Powered **\$139<sup>50</sup>** \$7 monthly

Versatile recorder tapes outstanding 4-track stereo or mono, has switch-controlled Automatic Level Control. Operates on its own self-contained batteries or from standard 117 VAC. Quality transport features pushbutton operation. Plays through its own speakers, has outputs for auxiliary speakers, plus preamp output. Powerful 8-watt stereo amplifier. Complete with dynamic remote-control mike, one blank cassette, 6 batteries. 9¾x12¾x3¾". Japan. 12 lbs. 15 C 7322 U. \$7 Monthly. .... 139.50



**Norelco "450" Recorder With PA System Feature**

AC Powered **\$199<sup>50</sup>** \$10 monthly

Precision recorder tapes 4-track stereo/mono with superb fidelity. Features digital counter, record-level meter, pop-up loading, pushbutton operation. Can be used as a public-address system. Satellite speakers in matching teak fasten together to form single unit. Record, tone, loudness, balance controls. Inputs for mike, phone, tuner. Outputs, ext. speakers, amplifier, headphone. Stereo mike, blank cassette. 5x16x10". 117 VAC. From Holland. Wt., 17 lbs. 15 C 7077 U. \$10 Monthly. ... 199.50

Recorders on These 2 Pages Use Standard Philips Cassettes, Operate at 1 7/8 ips **ALLIED** 157



# Tape Cartridge Players and Full-Feature Deck



**A**  
**\$69<sup>95</sup>**  
 \$5 monthly

## **A** Panasonic RS-800AS Player

Plays 8-track cartridges through your hi-fi system or console. Built-in solid-state preamp plugs into aux. input of amplifier. Automatic or manual track changing. Track indicator lights. Tape speed, 3 $\frac{3}{4}$  ips. Response, 50-12,000 Hz. Signal-to-Noise ratio, 51 dB. Walnut cabinet, 4 $\frac{1}{2}$ x16 $\frac{1}{2}$ x8 $\frac{1}{2}$ ". For 117 VAC. Japan. Shpg. wt., 8 $\frac{1}{2}$  lbs.  
 15 C 7209 X. \$5 Monthly..... 69.95



**NEW**  
 at **ALLIED**  
**B**  
**\$89<sup>95</sup>**  
 \$5 monthly

## **B** 4-and 8-Track Cartridge Player

Fully automatic solid-state 4-track and 8-track stereo cartridge player. Plugs into amplifier having tape, phono or aux. input. Level controls for each channel. Fine-tuning control eliminates channel crosstalk. Plays at 3 $\frac{3}{4}$  ips. Response, 40-12,000 Hz. Signal/Noise ratio, 40 dB. Oiled walnut cabinet, 4 $\frac{1}{2}$ x13 $\frac{3}{4}$ x9". For 117 VAC. Japan. Shpg. wt., 12 $\frac{1}{2}$  lbs.  
 15 C 7443 X. \$5 Monthly..... 89.95



**NEW**  
 at **ALLIED**  
**C**  
**\$129<sup>95</sup>**  
 \$7 monthly

## **C** Panasonic RS-810S Player System

Solid-state 8-track stereo cartridge player system. Automatic continuous play; push-button track selector; balance, tone controls; mode selector. 16-watt-peak stereo amplifier, two separating speaker systems. 3 $\frac{3}{4}$  ips. 50-12,000 Hz. 51 dB S/N. Phono, aux. inputs; line, headphone outputs. Walnut cabinet. 4x16 $\frac{1}{2}$ x9". 117 VAC. Japan. 21 lbs.  
 15 C 7142 U. \$7 Monthly..... 129.95



Matching Enclosures Give an Integrated Console Look, or Separate for Best Stereo

**D**

## **D** 4-and 8-Track Player System

Fully automatic 4-track and 8-track solid-state stereo tape cartridge player system. Fine-tuning control aligns playback head to avoid crosstalk. Tone, balance, volume controls. Amplifier delivers 20-watts peak music power to two separating speaker systems. Beautiful hand-rubbed oiled walnut cabinetry. 3 $\frac{3}{4}$  ips. 40-12,000 Hz. Player 4 $\frac{1}{2}$ x13 $\frac{3}{4}$ x9". Speakers, 4 $\frac{1}{2}$ x10 $\frac{1}{4}$ x9". 117 VAC. Japan. 29 lbs.  
 15 C 7442 U. \$8 Monthly..... 149.95

**NEW**  
 at **ALLIED**  
**\$149<sup>95</sup>**  
 \$8 monthly



## Sony TC-8 Stereo Record/Playback Cartridge Deck

**\$129<sup>50</sup>**  
 \$7 monthly

- Plays through Your Present Stereo Amplifier
- Continuous Play—No Cartridge Turnover
- Stereo Headphone Jack • Automatic Shut-Off

Feature-packed cartridge deck with dependable solid-state circuit—an outstanding value. Deluxe 8-track deck lets you record and play stereo cartridges at home... also plays standard pre-recorded stereo tapes. Plugs into your present stereo system, using amplifier and speaker systems. Provides continuous tape programs without the bother of reel threading and changing. Stereo headphone jack lets you listen in privacy. Speed, 3 $\frac{3}{4}$  ips. Response, 40-12,000 Hz. Flutter and Wow, less than 0.17%. Automatic shut-off; visual channel indicator. Less mikes. 8 $\frac{1}{16}$ x11 $\frac{3}{16}$ x4 $\frac{17}{32}$ ". For 117 V. 60 Hz AC. From Japan. Wt., 11 lbs.  
 15 C 7047 U. \$7 Monthly..... 129.50



Records and Plays  
 Tape Cartridges  
 Records from Mike,  
 TV-Radio-Phono  
 Continuous 8-  
 Track Playback  
 Plays Standard  
 Pre-Recorded Cartridges



# Sony Video Tape Recorders, Monitors, Cameras

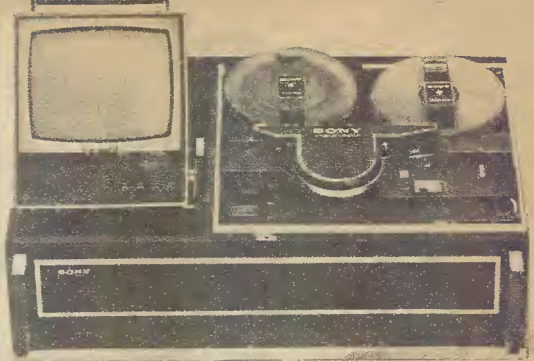
CV-2100  
Videotape  
Recorder



(A)  
**\$795.00**

**NEW**  
at **ALLIED**

(B)  
**\$1050.00**



(B) Recorder/Monitor

(A) Portable Videocorder

CV-2100. Video tape recorder lets you tape directly off the air—or create your own tapes with camera system (below). Sony-Matic controls for easy operation, with automatic video and audio level controls. Records 1 hour on 7" reel at 7½ ips. Tapes are interchangeable with other Videocorders. Provision for audio dubbing. 18½x11¼x15¾". 115 V, 60 Hz. Japan. 55 lbs.  
 15 C 7660 Z. \$33 Monthly... 795.00  
 15 C 7661 Z. CV-2200. Same, but provision for tape duplicating with VDC-1 adapter. 55 lbs..... 850.00  
 15 C 7667. VDC-1 Adapter. .... 24.95

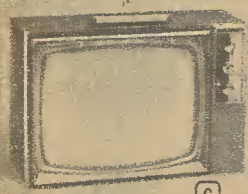
TCV-2110. Video tape recording outfit, for commercial or home use. Consists of recorder and 8" (diag.) receiver/monitor, in one compact unit. Easy operation, with automatic video and audio level controls. Full hour recording time on 7" reel at 7½ ips. Tapered guide insures easy threading. One-touch start, automatic shut-off. Dubbing provision lets you insert audio where you want it. Tapes are interchangeable with other Videocorder models. 27½x16¼x11". 115 V, 60 Hz AC. Japan. Shpg. wt., 75 lbs.  
 15 C 7662 Z..... 1050.00



**NEW**  
at **ALLIED**  
UHF/VHF  
Receiver  
**\$295.00**  
\$15 monthly

22" Monitor/Receiver

CVM-220U. 22" (diagonal) monitor for program source or playback system for CV-2000 series recorders. Attractively styled, shielded metal cabinet. High resolution circuit for outstanding picture quality; ideal for group viewing. Receives UHF, VHF channels. Octal plug for VTR. Tube circuit. 26x13½x19½". 115 V, 60 Hz. Japan.  
 15 C 7666 Z. 80 lbs. \$15 Mo... 295.00



(C)  
**\$250.00**  
\$13 monthly

(C) CVM-180U 18" Monitor/Receiver. Tube-circuit receiver serves as all-channel program source, or monitor for recording and playback. Shielded cabinet has swing handle. High resolution, sharp picture with 18" (diag.) screen. Videocorder connection. 21¼x12½x15½". 115 V, 60 Hz AC. Japan. 55 lbs.  
 15 C 7665 Z. \$13 Monthly..... 250.00



(D)  
**\$195.00**  
\$10 monthly

(D) CVM-51UWP 8" Monitor/Receiver. Solid-state monitor with 8" (diagonal) screen offers high definition and exceptional picture clarity. Use as all-channel program source, or as picture and sound system during playback. Built-in monopole antenna. 9x10x8½". 115 V, 60 Hz. Japan. 12 lbs.  
 15 C 7680 U. \$10 Monthly..... 195.00



**NEW**  
at **ALLIED**

Camera and Recorder  
**\$1250.00**

Portable Recording Outfit

DVK-2400/VCK-2400. Hand-held camera and video recorder outfit lets you shoot "live" action anywhere. DVK-2400 Battery-Operated Videocorder can be carried over your shoulder, weighs only 11 lbs. Easy to operate with one-touch start/stop, automatic video and audio level controls. Records up to 20 minutes on 5" reel at 7½ ips. Rechargeable batteries operate 1 hr. 11¼x11½x4½". VCK-2400 Hand-Held Camera has trigger switch, 1" screen viewfinder, 16-64 mm Zoom f2 lens, top-mounted dynamic microphone, shoulder strap. 2¾x5x8¼". With charger. Japan.  
 15 C 7663 Z. 20 lbs. .... 1250.00



Camera Ensemble  
**\$395.00**  
\$18 monthly

Complete Camera Ensemble

VCK-2100. For any Videocorder and Monitor/Receiver or in CCTV systems. CVC-2100 Solid-State Vidicon Camera has 25 mm, f/1.9 "C" lens, automatic sensitivity control. Mechanical shutter protects Vidicon, standby switch keeps lens closed. RF-Out switch for direct connection to monitor. Optional CVF-4 Viewfinder mountable on top of camera, has 4" (diag.) screen. Includes F-98 Dynamic Cordioid Microphone with desk stand, lavalier. With elevator tripod, carrying case, all cords. Shpg. wt., 30 lbs. Japan.  
 15 C 7664 Z. \$18 Monthly... 395.00  
 15 C 7668 U. CVF-4 Viewfinder. For camera. Shpg. wt., 5 lbs. .... 175.00

Use Allied's Credit Fund—No Money Down and Up to Two Years to Pay



# Telephone Answering Systems..Portable Recorders



## Crown Automatic Telephone Answering System

**\$99<sup>95</sup>**

- Answers Phone with 30-Second Message
- Hooks Up to Phone Easily—No Rewiring
- Change Pre-Recorded Message in Minutes

\$5 monthly

Model CTA-4000. Now you can have your own automatic telephone answering system. "Telephone Valet" answers your phone, gives caller a pre-recorded 30-second message, and resets, ready for the next call. Hooks up to your phone quickly and easily with no rewiring. Your pre-recorded message, on endless-loop tape, is easily changed using mike built into answerer. Solid-state circuit. Smart low-boy styling in walnut-finished cabinet.  $2\frac{3}{8} \times 8\frac{1}{2} \times 10\frac{1}{16}$ ". Complete with endless-loop tape cartridge, mike, cables. Operates for pennies a day on 110-120 volts, 60 Hz AC. From Japan. Shpg. wt., 6 $\frac{1}{2}$  lbs.

15 C 7545 X. \$5 Monthly..... 99.95



**NEW**

## Crown Telephone Answerer and Recorder

**\$199<sup>95</sup>**

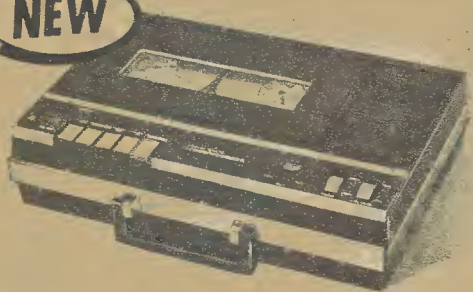
- Answers Phone and Delivers Your Message
- Records Caller's Message for Playback
- Built-In Tape Cassette Recorder

\$10 monthly

Model CTA-4400. Perfect for business or home, this complete telephone answering system includes a built-in tape cassette recorder. Automatically answers phone, gives up to 30-second message, pre-recorded on endless loop tape, and records caller's message on cassette recorder for playback later. Voice-activated recorder usable separately, also. Uses instant-loading Philips-type cassettes. System installs in minutes without rewiring. Handsome walnut cabinet,  $3\frac{5}{16} \times 10\frac{1}{16} \times 12\frac{13}{16}$ ". With endless-loop tape, cassette, built-in mike. For 110-120 volts, 60 Hz AC. From Japan. Shpg. wt., 9 lbs.

15 C 7541 U. \$10 Monthly..... 199.95

**NEW**



## Crown Battery/AC Portable Tape Recorder

**\$99<sup>95</sup>**

- Convenient Automatic Tape Repeater
- Automatic Recording Level Control
- Push-to-Reset 3-Digit Tape Counter

\$5 monthly

Model CTR-6650. Feature-packed portable recorder boasts handsome attache-case styling. Operates on 6 "D" batteries or 117 VAC to record and play 2-track monaural tapes anywhere. Automatic Recording Level control prevents overload distortion. Capstan drive at  $3\frac{3}{4}$  and 1 $\frac{7}{8}$  ips. Features automatic tape repeater for continuous replay of brief message. Easy pushbutton operation. Record level/battery condition meter. Push-to-reset digital counter. Built-in 3x5" speaker.  $14\frac{5}{8} \times 9\frac{13}{16} \times 3\frac{1}{4}$ ". With remote-control stop-start mike, batteries, 5" takeup reel. From Japan. Shpg. wt., 6 $\frac{1}{2}$  lbs.

15 C 7542 X. \$5 Monthly..... 99.95

18 C 5779. Extra "D" Batteries. Shpg. wt., 4 oz..... 2/33¢

**NEW**



## Toshiba Solid-State Stereo Tape Recorder

**\$199<sup>50</sup>**

- Convenient One-Touch Tape Threading
- Fast, Easy-to-Use Single Knob Control
- Detachable Wide-Range Stereo Speakers

\$10 monthly

Model GT-840S. A fine solid-state recorder featuring easy one-touch tape threading. Records and plays 4-track stereo at  $7\frac{1}{2}$ ,  $3\frac{3}{4}$  or 1 $\frac{7}{8}$  ips. Single-knob tape control. Two detachable 6 $\frac{1}{2}$ " wing speakers for superb stereo with full channel separation. Output jack for use as a deck. Calibrated level meters let you make professional-quality recordings. Has sound-with-sound, direct tape monitoring. Pause control and digital tape counter for editing. Tone control. Operates vertically or horizontally. With two mikes, stands, two earphones, 7" reel of tape, and takeup reel. Size,  $13 \times 16 \times 15\frac{3}{4}$ ". For 110-120 volts, 60 Hz AC. From Japan. Shpg. wt., 39 lbs.

15 C 7445 U. \$10 Monthly..... 199.50



# New! ALLIED 255 Super-Value Recording Tape

OUR LOWEST COST RECORDING TAPE

Special Oxide Formula—Fine  
Quality at Lowest Possible Prices

Low  
As **56¢**

- Special Oxide Formula for Good Recordings
- High Tensile Strength • Temperature Resistant
- Deep Lubrication for Longer Tape Head Wear
- Every Reel Guaranteed Splice-Free



Record your valuable, irreplaceable record collection at exceptionally low cost with Allied's new 255 tape. Durable extra-strong acetate or Polyester tape is ideally suited for this purpose. It's also excellent for taping a permanent record of family fun, the children's voices, classroom lectures, weddings, important business notes. Even dictate an entire book . . . record everything you'd like to keep.

One continuous length of tape on 7-inch reel plays up to 8 hours at 1 1/8 ips. Special oxide formula helps to assure full-fidelity recording. Lubrication on tape reduces wear of expensive tape recorder heads. Uniform sensitivity throughout. High-tensile strength virtually eliminates tape break. There is no better recording tape, at such low prices, than Allied 255.

Stock No.	Reel Size	Length in Feet	Ideal For Recording	Mils	Base Material	Wt., Lbs.	EACH		
							1-11	12-24	25-Up
15 C 8275	3 1/4"	375	Dictation and Voice Letters	1.0	Acetate	1/2	.69	.59	.56
15 C 8276	5"	900	Dictation, Voice Letters, Lectures	1.0	Acetate	3/4	.84	.76	.72
15 C 8277	7"	1200	Family, Children's Voices, Duplicating LP's	1.5	Acetate	1 1/2	.99	.94	.89
15 C 8278	7"	1800	Radio-TV Broadcasts, Duplicating LP's	1.0	Acetate	1 1/2	1.59	1.43	1.39
15 C 8279	7"	2400	Extra-Long Broadcasts, Concerts, Symphonies	0.5	Polyester	2	2.99	2.69	2.54

## Save \$5.95 on Allied's Special Case Bonus Offer

BUY 10 REELS OF TAPE AND GET CARRYING CASE FOR \$1 MORE

Special savings on 10-reel carrying case when you purchase 10 reels of Allied 255 recording tape (above). You get the savings of buying at our regular low prices, plus a carrying case (separately at right) for storing and protecting your tapes for only a dollar more. Gives you up to 24,000 feet of tape on specially developed warp-resistant reels. Up to 80 hours recording time. Don't miss this exceptional offer!

- 15 C 8019. Ten 1200-Ft. Reels with Case. Shpg. wt., 18 lbs. . . . . 10.90
- 15 C 8021. Ten 1800-Ft. Reels with Case. Shpg. wt., 18 lbs. . . . . 16.90
- 15 C 8022. Ten 2400-Ft. Reels with Case. Shpg. wt., 23 lbs. . . . . 30.90
- 15 C 8057. Case Alone. Blue and white leatherette covering over wood. Size, 8x8x8". Shpg. wt., 3 lbs. . . . . 6.95



## New Recording Tape and Accessories Professional Tape Care Kit

Keep your recorder and tapes like new. Kit includes five 7" reels (6000 ft.) of Allied "255" 1 1/2-mil acetate tape; tape head demagnetizer; 150-ft. leader tape; tape splicer; 100-in. splicing tape; booklet on editing and splicing; tape threader; 2-oz. of head cleaner; 2-oz. of lubricant; silicone-treated cloth; 30 labels; 12 tape clips.

15 C 0101 L2X. Shpg. wt., 8 lbs. . . . . 18.95

## New Low-Cost Tape Care Accessory Kit

Complete kit (not illus.) includes: three 7" reels (3600 ft.) 1 1/2-mil of Allied "255" acetate tape; 150-ft. leader tape; tape splicer; 100-in. splicing tape; 24-page booklet on tape editing; 2-oz. bottle of head cleaner; 30 identification labels and 12 tape clips.

15 C 8018. Shpg. wt., 6 lbs. . . . . 9.95



ALLIED Recording Tape Is Guaranteed Splice-Free

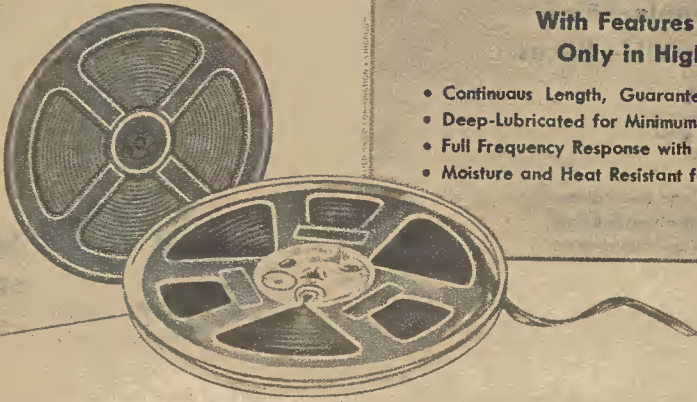
**ALLIED**  
SERIES NO. 260  
RECORDING TAPE

# Allied "260" Recording Tape

**QUALITY TAPE FOR EVERY APPLICATION**

**With Features Usually Found  
Only in High-Priced Tape**

- Continuous Length, Guaranteed Splice-Free Recording Tape
- Deep-Lubricated for Minimum Recorder Head Wear
- Full Frequency Response with High Signal-to-Noise Ratio
- Moisture and Heat Resistant for Consistently Good Sound



**Guaranteed  
High-Quality  
Recording Tape**

## Specially Processed for Outstanding Recording and Listening Pleasure

Manufactured to Allied's high standards to meet the needs of quality-conscious recordists, "260" is tops for general-purpose use at low cost. Made from quality materials, using advanced manufacturing equipment to give you consistently fine sound quality. Free from microscopic irregularities including skew, edge burrs, feathered edges, shedding, cupping, and curling. Also offers a special deep-lubricant, an integral part of the tape coating itself, to further extend life of both tape and recorder heads. Continuous length, splice-free

material gives you a tape with exceptional strength and high resistance to adverse temperature and humidity conditions. High sensitivity, wide response, low noise level, and uniform output permits use of lower recording speeds with minimum loss of fidelity. Ideal for transcribing from pre-recorded tapes, records or tuner. Also makes excellent recordings from microphones. No other general-purpose recording tape gives you all these high-quality features at such money-saving, low prices. Exclusively at Allied!

## Select the Tape You Need from Allied's Wide Selection —The Right Quality at an Outstanding Low Price!

Stock No.	Reel Size (Inches)	Length (Feet)	Mil	Base	Wt., Lbs.	EACH		
						1-11	12-24	25-Up
15 C 8740	3 1/4	600	0.5	Polyester	1/2	.89	.79	.69
15 C 8741	5	900	1.0	Polyester	3/4	1.18	1.06	.95
15 C 8742	7	1200	1.5	Acetate	1	1.49	1.34	1.19
15 C 8743	7	1800	1.0	Polyester	1 1/4	2.14	1.93	1.75
15 C 8744	7	2400	0.5	Tensitized Polyester	1	3.49	3.14	2.86
15 C 8745	7	3600	0.5	Tensitized Polyester	1	4.98	4.49	3.99

## Save \$5.95 On Tape Case Bonus Offer

**Buy 10 Reels  
of Tape,  
Get Case for**

**only \$1 more**



### STOCK-UP ON TAPE NOW AND SAVE!

Special savings on deluxe carrying case with the purchase of ten 7" reels of top-quality recording tape. Gives you a sturdy wooden hinge-top case that's ideal for protecting, storing, and transporting your tapes (listed separately at right). You also get up to 36,000 feet of Allied full-frequency "260" recording tape in ten individual boxes. Up to 120 hours of playing time.

- 15 C 8080. Ten 1200-Ft. Reels with Case. Wt., 13 lbs. . . . . 15.90
- 15 C 8081. Ten 1800-Ft. Reels with Case. Wt., 15 1/2 lbs. . . . . 22.40
- 15 C 8082. Ten 2400-Ft. Reels with Case. Wt., 13 lbs. . . . . 35.90
- 15 C 8083. Ten 3600-Ft. Reels with Case. Wt., 15 lbs. . . . . 50.80
- 15 C 8057. Carrying Case Alone. Blue and white leatherette over wood. 8x8x8". 3 lbs. . . . . 6.95



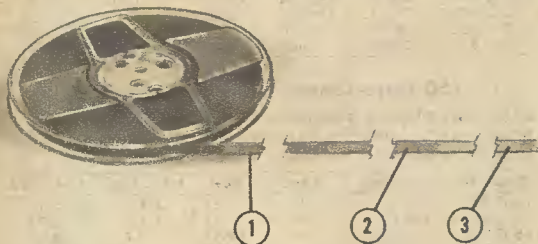
# Allied "265" Recording Tape

## ULTRA RANGE FULL-SPECTRUM TAPE

### Special-Formula Recording Tape with Extra-Deluxe Features

Allied's best tape! Professional-quality for finest recordings, it's the best choice for high-fidelity perfectionists. Guaranteed splice-free and manufactured to Allied's specifications. Designed for optimum frequency response and lubricated to provide longer tape head wear. Contains first-quality materials to give outstanding hi-fi reproduction and to provide years of reliable use.

#### Look at These Important Extras!



1. Head-Cleaning Tape Spliced to End of Reel
2. Sensing Foil at Each End of Tape Actuates Recorder with Reverse Mechanism
3. Color-Coded Leader at Each End of Tape



Book of Silicone Tape Cleaning Pads with Each Reel



Heavy-Duty Computer-Type Reel Heat Treated to Prevent Warping



### Allied 265—Our Best Recording Tape

- Deep Lubrication for Lowest Possible Head Wear
- Head Cleaner Cleans Heads on Each Tape Pass

Allied's Ultra Range tape gives you features and quality designed to meet the requirements of the most critical recording connoisseur. Specially developed micro-polishing process cuts abrasion to a minimum. Precision wound on heavy-duty heat-treated 7" reel. Also, each reel includes book of silicone-impregnated rayon tape-cleaning pads that extend tape and head life.

Red and green polyester leaders are attached to each end of the tape. Ultra-thin bonded sensing foils actuate recorders equipped with automatic reverse mechanism. A length of head cleaning-tape is spliced into one end of every reel of tape to remove accumulated material from recorder heads. Has the latest binder system that features built-in homogenized lubrication to substantially reduce the possibility of oxide peeling or flaking. 1½-mil acetate tape is recommended for taping parties, home recordings, dictation; 1-mil polyester for taping stereo LP's or for recording direct from a tuner; ½-mil polyester for lengthy musical performances without interruption. A truly remarkable tape.

Stock No.	Length (Feet)	Base	Wt., Lbs.	EACH		
				1-11	12-24	25-Up
15 C 8269	1275	1½-mil Acetate	1	2.09	1.88	1.67
15 C 8270	1875	1-mil Polyester	1	3.19	2.97	2.65
15 C 8271	2475	½-mil Polyester	1½	4.60	4.14	3.89

## Save \$5.95 on Special Tape Case Bonus Offer

### BUY 10 REELS OF TAPE, GET CASE FOR \$1 MORE

Save on 10-reel carrying case! Buy 10 reels of deluxe recording tape (above). You get the savings of buying at bulk prices, plus a sturdy tape carrying case (separately at right) to store and protect tapes, for only a dollar more. Gives you up to 24,750 feet of tape on specially developed warp-resistant reels. Up to 80 hours recording time.

- 15 C 8084. Ten 1275-Ft. Reels with Case. Wt., 12½ lbs. . . . . 21.90
- 15 C 8085. Ten 1875-Ft. Reels with Case. Wt., 15 lbs. . . . . 32.90
- 15 C 8086. Ten 2475-Ft. Reels with Case. Wt., 17½ lbs. . . . . 47.00
- 15 C 8057. Case Alone. Attractive blue and white leatherette over wood. Size, 8x8x8". Shpg. wt., 3 lbs. . . . . 6.95



Buy 10 Reels of Tape, Get Case for only \$1 more

Allied Recording Tape is Guaranteed Splice-Free



# Scotch

recording tape

# "Scotch" Audio Recording Tape



**A COMPLETE TAPE SELECTION FOR EVERY RECORDING NEED**

Tapes on this page have molded plastic reels, except \*NAB-type aluminum reels with 3" center hole.

## 111. Standard 1½-Mil Acetate Tape

For all general recording. International standard of the recording industry—provides flawless sound reproduction at low cost. Silicone lubricated to protect heads and extend tape life. Av. shpg. wt., 8 oz.

Stock No.	Type	Feet	Reel	1-11, EA.	12-Up, EA.
15 C 8542	111-1.5	150	3"	47	.42
15 C 8543	111-3	300	4"	1.07	.96
15 C 8547	111-6	600	5"	1.50	1.35
15 C 8548	111-12	1200	7"	2.34	2.10
15 C 8549	111-25RO*	2500	10½"	7.20	6.48

## Philips-Type Tape Cassettes

For Allied 1100, 1150; Aiwa TP707, Ampex "Micro" Series, Concord F100, Mercury TR800, Norelco 150, Wollensak 4100 and 4200, other recorders using Philips-type cassettes. †Recording time, both directions. Shpg. wt., 3 oz.



Stock No.	Type	Feet	†Minutes	1-11, EA.	12-Up, EA.
15 C 8311	271	300	60	2.13	1.92
15 C 8314	272	450	90	4.28	3.81

## 120 High-Output 1½-Mil Acetate Tape

Over 100% higher output level than standard tape for greater dynamic range and freedom from distortion on signal peaks. For sensitive recording applications. On plastic reels. Av. shpg. wt., 10 oz.

Stock No.	Type	Feet	Reel	1-11, EA.	12-Up, EA.
15 C 8312	120-6	600	5"	1.50	1.35
15 C 8554	120-12	1200	7"	2.34	2.10

## 200 Double-Length ½-Mil Tensitized Polyester

100% more time—as much as two reels standard tape. Super-strong and stretch resistant. High-potency oxide. Av. shpg. wt., 12 oz.

Stock No.	Type	Feet	Reel	1-11, EA.	12-Up, EA.
15 C 8500	200-12	1200	5"	3.63	3.27
15 C 8541	200-24	2400	7"	6.33	5.70

## 131 Low-Print-Through 1½-Mil Acetate Tape

Reduces print-through to a point below the noise level of most professional machines. Excellent recording characteristics, allows long storage. Av. shpg. wt., 12 oz.

Stock No.	Type	Feet	Reel	1-11, EA.	12-Up, EA.
15 C 8313	131-6	600	5"	1.87	1.68
15 C 8534	131-12	1200	7"	2.93	2.64
15 C 8540	131-25RO*	2500	10½"	8.14	7.32

## 175 Heavy-Duty 1½-Mil "Tenzar"

Longer-wearing tape shrugs off hard use, rough handling... lasts many times longer than ordinary tape. Made with same wear-resistant high-potency oxide coating proved durable in heavy-duty tapes for high-speed computers. Fights heat, won't dry out in storage nor absorb any moisture; doesn't tear if edges become nicked. Specify color: Clear, Red, Blue, Green or Yellow. Av. shpg. wt., 10 oz.

Stock No.	Size	Feet	1-11, EA.	12-Up, EA.
15 C 8315 C	5"	600	1.60	1.44
15 C 8316 C	7"	1200	2.50	2.25

## Sensitive "Dynarange" Series Tape



Choice of professionals. Sensitive—lets you use slower speeds without fidelity loss. 15% longer life; low noise; good hi-frequency response, low rub-off. Superior signal/noise ratio—ideal for transcribing from pre-recorded tapes and records. Polyester, except acetate. Av. wt., 1 lb.

Stock No.	Type	Base	Feet	Reel	1-11, EA.	12-Up, EA.
15 C 8535	201-6	1½-mil†	600	5"	1.87	1.68
15 C 8504	201-12	1½-mil†	1200	7"	2.93	2.64
15 C 8536	202-6	½-mil	600	5"	1.90	1.71
15 C 8537	202-12	½-mil	1200	7"	3.40	3.06
15 C 8538	203-9	1-mil	900	5"	2.83	2.55
15 C 8505	203-18	1-mil	1800	7"	4.90	4.41

## 150 Extra-Length 1-Mil Polyester Tape

50% more playing time plus extra-strong base. Withstands temperature, humidity extremes. High-potency oxide. Av. shpg. wt., 12 oz.

Stock No.	Type	Feet	Reel	1-11, EA.	12-Up, EA.
15 C 8531	150-9	900	5"	2.40	2.16
15 C 8532	150-18	1800	7"	4.13	3.72
15 C 8533	150-36RO*	3600	10½"	9.57	8.61

## 290 Triple-Length ½-Mil Polyester Tensitized Tape

Extra thin, stretch and break-resistant tape gives more playing time at a minimum cost per foot. For all general recording uses. Shpg. wt., 5" reel, 8 oz.; 7" reel, 1½ lbs.

Stock No.	Type	Feet	Reel	1-11, EA.	12-Up, EA.
15 C 8304	290-18	1800	5"	4.63	4.17
15 C 8545	290-36	3600	7"	7.97	7.17

## 190 Extra-Length 1-Mil Acetate Tape

50% more tape—as much recording time as 1½ standard reels. High-potency oxide for purity of sound. Av. wt., 12 oz.

Stock No.	Type	Feet	Reel	1-11, EA.	12-Up, EA.
15 C 8550	190-9	900	5"	2.34	2.10
15 C 8552	190-18	1800	7"	3.67	3.30
15 C 8553	190-36RO*	3600	10½"	8.53	7.68

## Plastic-Coated 1½-Mil Polyester "Sandwich" Tape

Microthin plastic shield over oxide coating eliminates rub-off. Wears up to 30 times longer. Reduces recorder maintenance, head wear. 5" reel, 600'; 7" reel, 1200'. Wt., 10 oz.

Size	Reel Color					EACH
	Clear	Red	Blue	Green	Yellow	
5"	15 C 8578	15 C 8579	15 C 8580	15 C 8581	15 C 8582	2.07/1.86
7"	15 C 8583	15 C 8586	15 C 8587	15 C 8589	15 C 8590	3.30/2.97

## "Living Letters" Tape with Plastic Mailing Container

Newest way to send personal notes. Plastic container meets postal regulations as mailer. Hinge, snap-closer. †Tensitized. Shpg. wt., 4 oz.



Stock No.	Mfr's Type	Base	Feet	EACH	
				1-11	12-Up
15 C 8300	111-¼-1.5-JL	1½-mil Acetate	150	.60	.54
15 C 8301	200-¼-3-LL	½-mil Polyester†	300	1.23	1.11
15 C 8302	290-¼-6-LL	½-mil Polyester†	600	1.97	1.77
15 C 8303	MT-MAILER-LL	Mailer w/empty 3" reel		.40	.36

15 C 8501, †11 Address Labels..... Pkg. of 10 for 33¢



# Video and Audio Recording Tape, Accessories



## "SCOTCH" Video Recording Tape

Helical scan tape, precision made for superior signal-to-noise ratio and long life. Low-noise oxide for clear pictures, sharp contrast. Type 351 is for Sony, Concord and Panasonic recorders, on 7" plastic self-threading reel in book-style box. Type 357 is for Ampex VR7000 and VR6000, on 9 3/4" phenolic hub with riveted alum. flanges. \*Minutes. Shpg. wt.: 1/2-hour tape, 1 lb.; 1-hour, 1 1/2 lbs.

Stock No.	Type	Feet	Die.	Width	*Min.	1-9, EA.	10-24, EA.
15 C 8320	351	1250	7"	1/2"	32	21.95	20.85
15 C 8319	351	2400	7"	1/2"	64	39.95	37.95
15 C 8318	357	1500	9"	1"	31	44.95	42.70
15 C 8317	357	3000	9"	1"	62	59.95	56.95

### Scotch Taping Accessories

Type 24 Leaders & Timing Tape. 100'. 15 C 8569 is white; 15 C 8568, yellow. Dispenser package. Wt., 3 oz.

15 C 8569. 12-Up. . . . . Each .54 1-11. . . . . Each .60  
15 C 8568. 12-Up. . . . . Each .54 1-11. . . . . Each .60

Type 21-10. Leader Tape. White. 1000'. 7" reel. Wt., 8 oz.  
15 C 8546. 12-Up. . . . . Each 2.70 1-11. . . . . Each 3.00

15 C 8557. Type 41 1/2-S Splicing Tape. Non-run adhesive on one side. 1/2x150". Dispenser pkg. Wt., 3 oz. . . . . Each .39

15 C 8577. Type 51-1/2-S. Aluminized Sensing Tape. For recorders with automatic "stop" and "reverse" controls. Adhesive on one side, foil on other. 150" reel. In handy dispenser package. Shpg. wt., 3 oz. . . . . Each 1.89

### Scotch Self-Threading Tape-Reel

Eliminates tedious reel threading. Place any tape or leader on reel hub and let recorder do the rest. 7" plastic reel with snap-tight collar. Seals out dust, makes reel self-storing without box. Wt., 8 oz.  
15 C 8014. 12-Up. Each .90 1-11. Each 1.00



Type PRST-7

### Scotch Empty Plastic Reels with Index Box

Standard reels in most frequently used sizes. Av. wt., 4 oz.

Stock No.	Reel Size	1-11, EACH	12-Up, EACH
15 C 8559	3"	.17	.15
15 C 8558	5"	.44	.39
15 C 8556	7"	.50	.45

### ROBINS Correspondence Tape

High-quality recording tape with impact-resistant plastic mailer and two-sided address card. Mailer meets all postal requirements. 3" reels except \*3 1/4". Material: A-Acetate; P-Polyester; PTP-Polyester Triple Play. 6 oz.



Stock No.	Type	Feet	Base	Time (7 1/2 ips)	EACH
15 C 8183	15H3	150	1.5 mil. A	7 1/2 Min.	.59
15 C 8184	10H3	225	1. mil. A	11 Min.	.69
15 C 8185	10H3M	225	1. mil. P	11 Min.	.84
15 C 8186	5H3M	300	.5 mil. P	15 Min.	.93
15 C 8187	5H3MS	450	.5 mil. PTP	22 1/2 Min.	1.32
15 C 8188	5H32MS	*600	.5 mil. PTP	30 Min.	1.64

### AUDIOTAPE Recording Tape

One of the finest professional-quality tapes available—with maximum fidelity, uniform frequency response and freedom from noise and distortion. Tested for perfection in durability, size, smoothness. "C-slot" plastic reels designed for easy threading.

### audiotape



### Strong 1 1/2-Mil Standard Tape

Standard recording tape with plastic base. Meets exacting requirements of the professional, educational and home recordist at low cost. Plastic reels. Av. shpg. wt., 8 oz.

Stock No.	Type	Feet	Reel	1-9, EA.	10-Up, EA.
15 C 8625	151	150	3"	.46	.41
15 C 8637	651	600	5" C-slot	1.47	1.32
15 C 8627	1251	1200	7" C-slot	2.29	2.06

### 1-Mil Tape for 50% Longer Plying Time

50% more recording time per reel. Durable polyester film base for trouble-free operation. Plastic reels. Av. wt., 8 oz.

Stock No.	Type	Feet	Reel	1-9, EA.	10-Up, EA.
15 C 8700	261	225	3" Mailer	.66	.59
15 C 8701	961	900	5" C-slot	2.35	2.12
15 C 8702	1861	1800	7" C-slot	4.05	3.65

### Double-Recording-Time 1/2-Mil Mylar

Twice as much recording time per reel. Suitable for extended play where tape tension is not excessive. Av. wt., 12 oz.

Stock No.	Type	Feet	Reel	1-9, EA.	10-Up, EA.
15 C 8626	331	300	3"	.89	.80
15 C 8629	1231	1200	5" C-slot	2.29	2.06
15 C 8631	2431	2400	7" C-slot	4.24	3.82

### Double-Strength Tempered 1/2-Mil Mylar

Twice as much recording time as standard tapes, plus twice the strength of other double-length tapes. Av. wt., 12 oz.

Stock No.	Type	Feet	Reel	1-9, EA.	10-Up, EA.
15 C 8628	331T	300	3" Mailer	1.05	.94
15 C 8619	1231T	1200	5" C-slot	3.56	3.20
15 C 8622	2431T	2400	7" C-slot	6.20	5.59

### Tempered 1/2-Mil Mylar with Triple Recording Time

Special, thin oxide coating on 1/2-mil "Tempered Mylar" gives triple the recording time of standard tape. Excellent for taping FM programs. Shpg. wt., 12 oz.

Stock No.	Type	Feet	Reel	1-9, EA.	10-Up, EA.
15 C 8632	633T	600	3 1/2" Mailer	1.97	1.77
15 C 8633	1833T	1800	5" C-slot	4.54	4.09
15 C 8634	3633T	3600	7" C-slot	7.81	7.03

### Audiopok Recording Tape Cartridges

Type A-4 is for 4 track, A-8 for 8-track cartridge recorders using standard 1/4"-wide tape. Av. shpg. wt., 3 oz.

Stock No.	Type	Feet	1-9, EA.	10-Up, EA.
15 C 8635	A-4	300	2.70	2.45
15 C 8636	A-8	150	2.51	2.27

### Ultra-Thin 1/4-Mil Tape

#### Plays Four Times Longer

Extends recording time of most 3 1/4" battery-operated recorders. 1200-ft. of tape records four hours (2 tracks) at 1 1/2 ips; two hours at 3 1/4 ips. Tensitized polyester base. Outstanding performance with any good capstan-drive battery or battery/AC recorder. Surprising sensitivity and ruggedness. Not for rim-drive recorders. Dustproof plastic case. Shpg. wt., 10 oz.



15 C 7070. . . . . Each 3.50

Save—Buy Tapes In Quantity on Allied's Credit Fund Plan

ALLIED 165



# Philips-type Tape Cassettes and Tape Butler



## Allied Super-Coated Blank Tape Cassettes

- Deep Lubrication Protects Tape Heads • Moisture and Heat Resistant
- Excellent Response with Uniform Output • Strong Polyester Base

Allied's Philips-type recording tape cassettes offer quality on a par with the best reel-type recording tape. Made to rigid specifications for your assurance of finest results. Deep lubrication preserves tape life and protects precision-made tape recorder heads. Reduced friction gives instant start at normal operating speed and smooth operation throughout recording and playback. Super-coated for superior signal to noise ratio. Excellent frequency response; uniform output. Moisture and heat-resistant. Made on finest polyester base; strong, resilient, free from microscopic defects. Packaged in self-mailing boxes. Compatible with all recorders using Philips tape cassette system.

Type C-60 Blank Tape Cassette. Records up to 60 minutes. Wt., 1/2 lb.  
 15 C 8001. 1-11..... Each 1.79 12-Up..... Each 1.61  
 Type C-90 Blank Tape Cassette. Records up to 90 minutes. Wt., 3/4-lb.  
 15 C 8002. 1-11..... Each 2.69 12-Up..... Each 2.42  
 Type C-120 Blank Tape Cassette. Records up to 120 minutes. Wt., 1 lb.  
 15 C 8003. 1-11..... Each 3.65 12-Up..... Each 3.28

Low As  
**\$1.61**

Top-Quality Tape  
 with "Pop-In"  
 Convenience

only  
**1¢**  
 more

## Save \$6.94 ... Buy 10 Allied Cassettes, Get Tape Butler for 1¢ More



Take advantage of this offer and **save \$6.94**. Buy package of 10 top-quality Allied cassettes in 60-minute, 90-minute, or 120-minute lengths (described above) and you get the new, versatile Tape Butler worth \$6.95 (described below) for only 1¢ more.

Pkg. of 10: C-60. Records up to 60 minutes. *Plus* Tape Butler bonus.  
 15 C 0102 12X. Shpg. wt., 7 1/2 lbs..... 17.91  
 Pkg. of 10: C-90. Records up to 90 minutes. *Plus* Tape Butler bonus.  
 15 C 0103 12X. Shpg. wt., 10 lbs..... 26.91  
 Pkg. of 10: C-120. Records up to 120 minutes. *Plus* Tape Butler bonus.  
 15 C 0104 12X. Shpg. wt., 12 1/2 lbs..... 36.51

## Economy Blank Tape Cassettes—Record Up to 120 Minutes



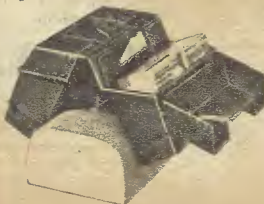
Low As  
**\$1.35**

- Trouble-Free, Non-Jamming Cartridge
- No-Bind Construction • Instant Start
- Tape Is Free from Microscopic Defects

Economy cassette for low-cost recording of radio and TV programs, dictation, interviews, discussions, lectures. Features trouble-free, non-jamming design and good quality recording tape. Deep lubrication protects expensive tape recorder heads from excessive wear. No-hind construction permits instant-start and smooth operation. Tape is free from microscopic defects such as edge hurr, feathered edges, cupping and curling. For use on any tape recorder using the Philips cassette system, including: Allied 1100 and 1150; Aiwa 707; Ampex "Micro" Series; Concord F-100, F-103, F-105; Norelco 150; Wollensak 4100 and 4200; plus many others. Cassettes are available below in 60-minute, 90-minute and 120-minute lengths.

Type C-60 Tape Cassette. Recording Time: up to 60 minutes.  
 15 C 8272. Shpg. wt., 1/2 lb..... 1.35  
 Type C-90 Tape Cassette. Recording Time: up to 90 minutes.  
 15 C 8273. Shpg. wt., 3/4 lb..... 2.15  
 Type C-120 Tape Cassette. Recording Time: up to 120 minutes.  
 15 C 8274. Shpg. wt., 1 lb..... 2.95

## Organize and Protect Your Tape Collection with the New Auto/Home Tape Butler



Snap-Fast Lids Open Wide  
 to Allow Full Exposure of  
 Tape Library plus Fingertip  
 Title Selection

**\$6.95**

- Holds 72 Tape Cassettes
- Snap-Fast Lids • Cushioned Base

Protect your stereo tape cartridges and cassettes from temperature extremes and physical damage. Tape Butler holds 72-Philips-type cassettes or twelve 4 or 8-track cartridges. Requires no special installation. Easel mounting and 5-position adjustment fits all cars, foreign and domestic. Installs on consoles, rear hump, top of front seat. Cushioned foam base permits use in home or office, even on polished surfaces. Durable high-impact case with black leather-grain finish. Size, 10 1/2 x 8 1/2 x 8 1/4".  
 15 C 8055 X. Shpg. wt., 2 1/2 lbs..... 6.95



# Special Tape Care Kits and Pre-Recorded Tapes



## Low-Cost Tape Care Kit

**\$9<sup>95</sup>**

Specially Selected  
Items for Recording

Get longer and better service from any recorder. Robins Tape Accessory Kit contains: "Cut-N-Splice" Splicer; Head and Guide Cleaner and Lubricant; Splicing Tape; 7" Takeup Reel; 75 Tape Clips; One Reel 1200' 1.5 mil Recording Tape; 6 Empty Tape Boxes in handsome Attache Case for compact storage, convenient carrying. 3 1/4 x 16 x 11". Shpg. wt., 5 1/2 lbs.

15 C 8088..... **9.95**



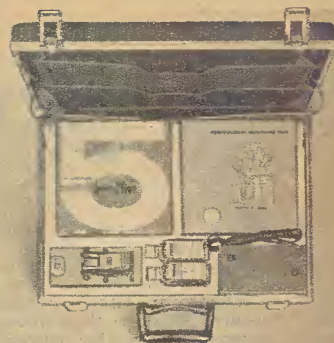
## Deluxe Tape Care Kit

**\$19<sup>95</sup>**

Advanced Outfit for  
the Serious Recordist

Get more out of your recording with this Robin outfit. Contains these accessories: "Junior" Tape Splicer; Head and Guide Cleaner and Lube Kit; Head Demagnetizer; 75 Tape Clips; Splicing Tape; 7" Takeup Reel; Color-Coding Title Labels; Book on Tape Splicing; 3 Reels of 1200-ft. 1.5 mil Recording Tape; 4 empty boxes. Attache Case, 3 1/4 x 16 x 11".

15 C 8089. 7 lbs. \$5 Monthly... **19.95**



## Complete Tape Accessory Kit

**\$29<sup>95</sup>**

Professional Outfit  
With Finest Accessories

Professional Robins Tape Care Kit includes: Bulk Tape Eraser; Head Demagnetizer; "Junior" Tape Splicer; 7" Takeup Reel; 1200-ft. 1.5 mil Recording Tape; Tape Lubricant and Head Cleaner; 75 Tape Clips; Splicing Tape; Two Empty Boxes. In handsome Attache Case for easy carrying, compact storage. 3 1/4 x 18 1/2 x 13 3/4". Shpg. wt., 10 lbs.

15 C 8443 X. \$5 Monthly..... **29.95**

## Pre-Recorded 7-inch Stereo Tapes

Specially-selected new albums of the best in music. All on standard 4-track, 7" reels, 7 1/2 ips. Shpg. wt., 1 lb.

Stock	Tape No.	Title	EACH
15 C 8423 S	Q401	Popular Music	3.98
15 C 8422 S	Q403	Jazz Music	3.98
15 C 8420 S	Q404	Sounds	3.98
15 C 8492 S	M70000	A Journey into Stereo	5.98
15 C 8493 S	L405	Dance Beat	6.98
15 C 8494 S	L406	Broadway Music	6.98
15 C 8428 S	C7006	Sound Effects in Stereo Vol. 1	6.98
15 C 8495 S	C7010	Sound Effects in Stereo Vol. 2	6.98
15 C 8496 S	L70125	Mantovani's Golden Hits	6.98
15 C 8426 S	L66003	Phase 4 Stereo Sampler	6.98
15 C 8498 S	FT05032	Fiddler on the Roof	8.49
15 C 8499 S	FT05033	Sound of Music	8.49

## New Pre-Recorded Stereo Albums on Philips-Type Tape Cassettes

SMART BUYS AT OUR LOW PRICES



Low As  
**\$5<sup>98</sup>**

- Selected to Fit Most Entertainment Tastes
- Play Your Favorite Music Up to 40 Minutes

Allied is now offering a bigger and wider selection of pre-recorded Philips-type stereo tape cassettes for your listening pleasure. Compatible with Philips-type monaural tape players—can be used with suitable automobile, home, or portable tape players interchangeably. Each album has up to 40 minutes listening time. Excellent values at these low prices. Shpg. wt., 4 oz.

Stock No.	Title	Artist	EACH
15 C 8567S	Heart of Hewell	Arthur Lyman, etc.	5.98
15 C 8570S	Polite Jazz	Cy Coleman, others	5.98
15 C 8571S	Musio From Around The World	The Phantom Gypsies, R. Rogers, others	5.98
15 C 8572S	Strings and Things	Steinburg, others	5.98
15 C 8574S	The Big Bands	Charlie Barnett, etc.	5.98
15 C 8584S	Dorothy Donegan Live	Dorothy Donegan	5.98
15 C 8585S	Contemporary Moods	Lauren Day, others	5.98
15 C 8562S	Rock Time	Top Rock Groups	5.98
15 C 8563S	Dixieland USA	The Blue Chips	5.98
15 C 8564S	Psychedellic Rock	The Ashes, others	5.98
15 C 8511S	Mantovani's Golden Hits	Mantovani	5.98
15 C 8561S	Blues with a Taste of Jazz	Damita Jo, others	5.98
15 C 8566S	Jack Wilson Meets Charlie Bennett	Jack Wilson Trio, Charlie Bennett	5.98
15 C 8512S	Phase 4 Stereo Variety	Popular Artists	6.98
15 C 8513S	Dr. Zhivago	Soundtrack	6.98
15 C 8514S	Gone with the Wind	Soundtrack	6.98



## Pre-Recorded Stereo Tapes . . . 3-Hours Music Per Reel

- 7-inch Reels Recorded at 3 3/4 ips
- Each Reel Equivalent to 6 LP Records

**\$9<sup>95</sup>**

Per Reel

Enjoy all-time favorites on 4-track long-play stereo tapes. Each tape plays 3 hours of programmed stereo music at 3 3/4 ips., and offers some of the world's greatest talent. On 7" reels. Shpg. wt., 1 1/2 lbs.

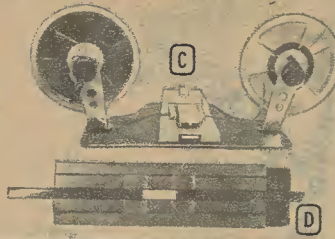
Stock No.	Description
15 C 8450 S	Tribute to Big Bands, Over 50 Dance Hits
15 C 8451 S	Easy Listening (Vol. 1), 62 Favorites
15 C 8458 S	Classic Workshop (Vol. 3), Mozart, others
15 C 8452 S	Classic Workshop (Vol. 4), Strauss, etc.
15 C 8453 S	Latin Latin Latin, Rene Touzet
15 C 8454 S	The Big Bands, 54 Tunes, Woody Herman, etc.
15 C 8455 S	Dance Time, 100 Tunes, Ralph Marterie, etc.
15 C 8456 S	Dance Masterpieces, Gershwin, others
15 C 8457 S	Orchestral Masterpieces, Wagner, Strauss
15 C 8459 S	Popular Dance Favorites

Each..... **9.95**

Buy Tapes in Quantity with Allied's Credit Fund Plan

ALLIED 167





**A** TS-8D Deluxe "Stereo 4." Splices 4-track stereo and mono tapes. Cuts tape diagonally, with tiny side trim. "See-thru" windows show operating positions. Replaceable cutter. Blade centering adjustment. Of super-strong "Implex." Has integral tape dispenser. With 100' roll 1/2" splicing tape, instructions. 1 lb.  
15 C 8142.....7.79

**B** TS-7S Standard Stereo Splicer. Similar to above. Dispenser has 100' roll 3/8" splicing tape.  
15 C 8220. Wt., 12 oz.....5.99

TS-7J Junior Stereo Splicer. Above, less dispenser, tape.  
15 C 8221. Wt., 8 oz.....4.89

**C** TK-9 Tape Editing Workshop. For splicing and editing tapes. Handles reels up to 7". Consists of 2 tape winders and Deluxe "Stereo 4" Splicer with tape base. 5 1/2 x 12 x 6 1/4".  
15 C 8348. Wt., 2 lbs.....14.39

**D** TS-5 Cut-N-Splice. Metal block has guide, cutting groove for hand-held blade. Built-in tray holds 25 patches, and blade, supplied.  
15 C 8350. Wt., 5 oz.....1.99

**E** TS-6 Deluxe Cut-N-Splice. This easy to use splicer has dual control knob for cutting tapes at 30-45° or 90°. With 25 self-stick patches. Patches are stored in tray built into base.  
15 C 8349. 5 oz.....2.99

**F** 15 C 8222. TSV-50 1/2" Videotape Splicer. Heavy-duty. 1 3/4 lbs... 11.95

15 C 8223. TSV-100 1" Videotape Splicer for Ampex. Shpg. wt., 1 3/4 lbs... 11.95

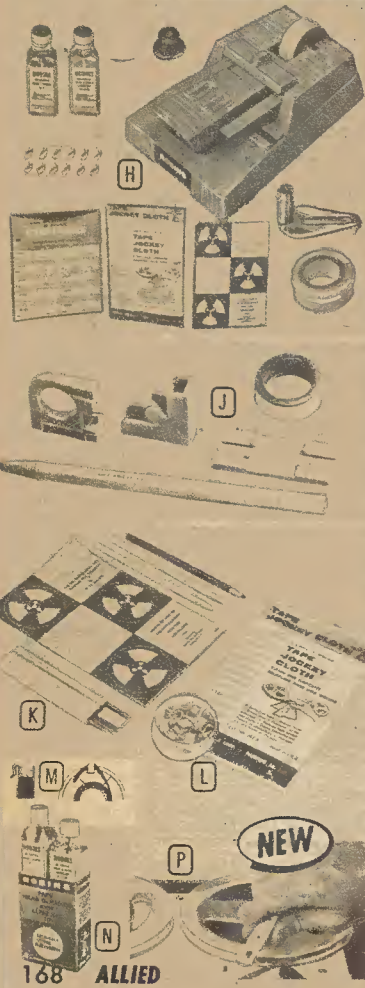
Tape Patches for Above. Pkg. of 60.  
15 C 8225. For TSV-50. Wt., 3 oz... .99¢  
15 C 8224. For TSV-100. Wt., 3 oz... .99¢

**G** 15 C 8754 E. TE-24. "Tape" Editing and Splicing Guide" book. 3 oz. 29¢

15 C 8755 E. TE-96. "What You Should Know About Your Recorder." 4 oz. 75¢

15 C 8756 E. TE-127. "Tape Recording The Sounds of Your Life." 4 oz. 95¢

15 C 8757 E. TE-129. "How to Get The Most Out of Your Recorder." 4 oz. 95¢



**H** TK-8DLX Deluxe Tape Accessory Kit. Contains: TS-8D "Stereo 4" Splicer; roll of 1/2" Splicing Tape; Tape Threader; Head Cleaner; Head Lubricant; Tape Jockey Cloth; Tape Clips; Reel Title Labels; Reel Holders; Editing and Splicing Booklet.  
15 C 8169 X. Wt., 1 1/2 lbs..... 11.99

Recording Head Azimuth Alignment Tape (Not illus.) For aligning tape head angle. 100' on 3" reel.  
15 C 8217. Shpg. wt., 8 oz..... 1.05

**J** TK-21 Starter Tape Editing Kit. Tape splicer has adhesive-backed plastic tape guide that fastens to recorder. Roll of tape, editing pencil.  
15 C 8228. Wt., 2 oz..... 1.75

**K** TK-19 Tape Editors Kit. Includes: TS-5 "Cut-N-Splice" metal tape splicing block; 25 self-stick patches; 3 editing pencils; tape editing book.  
15 C 8229. Wt., 5 oz..... 2.69

**L** TG-7 Tape-Care Pack. Includes: 12 plastic clips to keep tapes neatly on reels, and 2 jockey cloths to clean and lubricate tapes. 5 oz.  
15 C 8231..... 85¢

**M** TC-75 Tape Clips. Keeps tape from unwinding. Plastic, reusable. 75 clips in handy plastic container.  
15 C 8376. 8 oz..... Per Box 75¢

**N** TK-6 Tape Head Cleaner and Lube Kit. Two-oz. bottles of Head Cleaner and Head and Guide Lubricant.  
15 C 8181. Wt., 6 oz..... 1.19

**P** TK-5 Tape Strobe and Light Kit. Check speed, wow and flutter of recorders at 15, 7 1/2, 3 3/4 ips. Strobe, neon light. Instr. 117 VAC.  
15 C 8763. Shpg. wt., 6 oz..... 1.59

Tape-Clean. (Not illus.) Chemically treated cloth tape cleans, lubricates heads and guides. Wt., 4 oz.  
15 C 8205. THC-5. 5" Reel..... 1.89  
15 C 8233. THC-3. 3" Reel..... 1.05

**Editing and Recorder-Care Accessories**

**Empty Reels**

Empty Plastic Reels for Every Recording Need. Most-popular sizes. Colors available: †Yellow. ‡Blue. †Indicates low-torque. Av. shpg. wt., per package, 2 lbs. Less box.

Stock No.	Mfr's Type	Size	Pkg. of	PER PKG.
15 C 8356	TR20-6	2"	6	69¢
15 C 8357	TR25-6	2 1/2"	6	69¢
15 C 8358	TR30-6	3"	6	69¢
15 C 8359	TR32-4	3 1/4"	4	69¢
15 C 8382	TR36-6	3"	6	79¢
15 C 8360	TR40-4	4"	4	79¢
15 C 8361	TR50-2	5"	2	59¢
15 C 8390	†TR51-V	5"	2	79¢
15 C 8391	†TR51-B	5"	2	79¢
15 C 8393	‡TR53	5"	2	1.05
15 C 8362	TR70-2	7"	2	75¢
15 C 8396	†TR71-V	7"	2	99¢
15 C 8397	†TR71-B	7"	2	99¢
15 C 8363	‡TR74	7"	2	1.29
15 C 8762	TRV-75	7"	1	1.49

**Splicing Tape**

Polyester. Shpg. wt., 2 oz.

Stock No.	Type	Width	Lgth.	EACH
15 C 8364	TST-235	1/4"	300'	
15 C 8365	TST-376	3/8"	275'	
15 C 8366	TST-501	1/2"	250'	69¢
15 C 8368	TST-233	Self-stick Patches		79¢
				Pkg. of 75

Type TT-101 White Leader Tape. (Not illus.) 1200-ft. on 7" reel. For pro, semi-pro recordists.  
15 C 8753. Wt., 14 oz..... 2.69

Type TT-100C Clear Leader Tape. (Not illus.) 100-ft. on 2 1/2" reel.  
15 C 8752. Wt., 3 oz..... 75¢

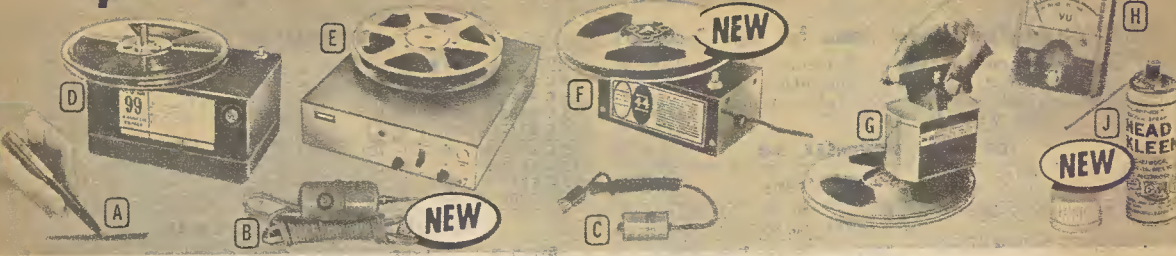
Type TPP-2 Pressure Pads. (Not illus.) Self-stick, cut to size for all recorders. Worn pads can cause tape squeal, etc. 44 felt pads, "U-cut-it" pads for odd model recorders.  
15 C 8764. Wt., 2 oz..... 79¢

Low Monthly Payments Bring You Anything Allied Sells



# Tape Accessories for Home and Studio

ROBINS



**A** TM-2 Magnetic Tape Editing Pen. Used like writing pen, removes single sound, noise from tape. 15 C 8241. Wt., 3 oz. . . . . 1.25

**B** TD-6 Deluxe Demagnetizer. Heavy-duty demagnetizer removes residual magnetism from tape heads.  $4\frac{3}{8} \times 1\frac{1}{4}$ " dia. For 110-120 V, 60 cycle AC. U.L. Listed. Wt., 1 lb. . . . . 6.95  
15 C 8154. . . . .

**C** TD-3 Low-Cast Demagnetizer. Tape recorder head demagnetizer for all model recorders. Low-cost version of Model TD-6, described above. Size,  $3\frac{1}{2} \times 1\frac{1}{4}$ " diameter. For 110-120 V, 60 cycle AC. Shpg. wt., 8 oz. 15 C 8127. . . . . 3.98

**D** TM-99 Professional Bulk Tape Eraser. Reduces noise level on tape 3 to 6 dB below normal erase-head level. Erases entire reel in seconds. For reels to  $10\frac{1}{2}$ " dia. x  $1\frac{1}{2}$ " wide.  $5\frac{1}{4}$ - $6\frac{3}{4}$ ". For 110-120 V, 50-60 Hz AC. U.L. Listed. Shpg. wt.,  $8\frac{1}{2}$  lbs. 15 C 8114. \$5 Monthly. . . . . 28.50

**E** TM-77 Deluxe Bulk Tape Eraser. For tape reels to 7" dia. x  $1\frac{1}{4}$ ". Erasure 2 to 4 dB below erase-head level.  $2\frac{3}{8} \times 3\frac{3}{4} \times 6\frac{1}{4}$ ". For 117 VAC. U.L. 15 C 8130. Wt., 5 lbs. . . . . 15.89

**F** TM-44 Bulk Tape Eraser. For reels to  $7 \times \frac{3}{4}$ ".  $5\frac{1}{4} \times 2\frac{1}{8} \times 3\frac{1}{8}$ ". For 115 V, 50-60 Hz AC. U.L. Listed. 15 C 8242.  $2\frac{3}{4}$  lbs. . . . . 10.95

**G** TM-88 Stordord Model Bulk Eraser. Portable hand-held unit has momentary contact (on-off) switch. For  $\frac{1}{4}$ " tape, any size reel.  $4 \times 2\frac{1}{4} \times 4\frac{1}{4}$ ". For 110-120 V, 50-60 Hz AC. 15 C 8400. Shpg. wt.,  $2\frac{1}{4}$  lbs. . . . . 10.49

**H** TVU-1 Professional VU Meter. Prevents overload or recording at too low level. Two-color scale. Modulation: 0-100%. VU: -20 to +3 dB. 2700 ohms. Use with high or low-Z circuits.  $2 \times 1\frac{1}{16}$ "  $\frac{1}{4}$ " terminals. 15 C 8761. Wt., 6 oz. . . . . 3.98

**J** THS-1 Head-Kleen Spray. Aerosol spray removes dirt, oxides, other particles on recorder heads. 15 C 8760. Wt., 6 oz. . . . . 1.19

## Recorder-Care and Tape Storage Accessories

**K** TK-1 Tape Log Book Kit. For listing your library by color-coding. Includes 120-page color indexed log book, 120 coded title labels, 48 numbered 1-8 tape index spots, pen. 15 C 8247. Wt., 14 oz. . . . . 4.98

**TL-5 Color-Coded Tape Box-Ends.** (Not illus.) Box-ends code contents, index library. 5 each: Red, Blue, Orange, Green, Yellow, White. 15 C 8246. Wt., 5 oz. . . . . 1.49

**TT-16 Color-Coded Leader Tape.** (Not illus.) 100 ft. each of 5 colors: Red, Blue, Yellow, Green, White. 15 C 8248. Wt., 14 oz. . . . . 2.49

**TL-240 Color Coded Title Labels.** (Not illus.) 40 each of 6 colors: Red, Blue, Green, Orange, Yellow, White. Self-stick  $2 \times \frac{1}{2}$ " labels. 15 C 8249. Wt., 2 oz. . . . . 1.05

**TK-3 Cartridge and Cassette Head-Kleen Kit.** (Not illus.) Contains  $1\frac{1}{4}$ -oz. bottles of tape head cleaner and lubricant, 25 extra-long swabs. 15 C 8767. Wt., 5 oz. . . . . 99¢

**TT-246 Color-Coded Index, Cuing Spots.** (Not illus.) Self-stick spots numbered 1-8. 8 each of Red, Blue, Orange, Green, Yellow, White. 15 C 8252. 1 oz. . . . . 99¢

**TL-180 Reel Title Labels.** (Not illus.) 180 white, pressure-sensitive  $2 \times \frac{1}{2}$ " labels. Shpg. wt., 5 oz. 15 C 8253. . . . . 85¢

**L** TRP-2 Phone Pick-Up. Fastens to phone with suction cup. 5' cable. Less plug. Shpg. wt., 6 oz. 15 C 8354. . . . . 1.99

**M** Set of 12 Deluxe Molded Individual Tape Safes. Protects 7" tapes from dust, dirt, aging. Hinge covers. Safe bottoms have dovetail grooves for wall-mount bracket. Less tape, reels. 15 C 8102. Set of 12 Individual Tape Safes, Metal Bracket, 8 lbs. . . . . 11.59

**N** TW-1 Precision Tape Strobe. Highly accurate all-metal, chrome-plated strobe. Precision machined, needle bearings. Instructions. 15 C 8116. Wt., 1 lb. . . . . 5.99

**P** Tape Storage Cans. Metal, durable enamel finished. Rihs on cans nest for stacking. Less reels. In Pairs. 15 C 8207. TC-7. 7" cans. 1 lb. . . . . 2/1.09  
15 C 8208. TC-5. 5" cans. 14 oz. . . . . 2/72

**R** RMC-6 Plastic Mailing Box. Rugged, high-impact, reusable box. For reels up to  $3\frac{1}{4}$ ". 5 oz. 15 C 8255. . . . . 99¢

**S** TB-15 Tape Mailing Boxes. 15 boxes for reels up to 3" dia. 6 oz. 15 C 8256. . . . . Per Pkg. 75¢

**T** TK-14 Recorder Maintenance Kit. Essential for every home tape recorder. Includes: head demagnetizer to remove residual magnetism; two jockey cloths to clean and lubricate tapes; 3" reel of "Tape-Clean" to clean heads and guides. 15 C 8245. Wt., 12 oz. . . . . 4.19

**X** TLA-1 Tape-Clean-Lube System. Self-stick base mounts on any recorder. Applies silicone lubricant and cleaner (incl.) to both tape sides. 15 C 8758. Wt., 5 oz. . . . . 2.98

**TLA-2 Tape Lube-Stick.** (Not illus.) Lubricates both tape sides. Reduces drag. Self-stick base. 15 C 8759. Wt., 3 oz. . . . . 1.98

**TK-12 Professional Tape Accessory Kit.** (Not illus.) Suitable for language labs, and serious home recordists. Includes: TS-8D Deluxe "Stereo 4" Splicer; 6 rolls  $\frac{1}{2}$ " Splicing Tape; Tape Threader; Tape Jockey Cloth; Head Cleaner; Lubricant; 24 Tape Clips; 150 Reel Title Labels; Tape Strobe and Light Kit; TM-99 Bulk Eraser; TD-6 Demagnetizer. 14 lbs. 15 C 8213 X. \$5 Monthly. . . . . 49.95



Get Greater Buying Power with Allied's Credit Fund Plan

ALLIED 169



# Tape Heads and Accessories, Recording Discs

## NORTRONICS Replacement Heads for Tape Recorders



In function column R means Record, P-Play, E-Erase. †Indicates mounting kit when required; see Quik-Kit table (right) for prices. Shpg. wt., 1 lb.

### FOR REVERE, WOLLENSAK, 3-M

Stock No.	Mfr's Type	Function	Models	†	QK	EACH
15 C 8650 S	*RPE-20 or RPE-23	RPE	10, 11, 15-27, 200, 202, 700, 700D, 750, 752, 762, 800, 800D, 862, 850			18.60
15 C 8651 S	*RPE-23	RPE	852, 900, 905, 925, 926, 1000, 1005, 1025, 1026, 1100, 1105, 1125, 1126, 1200, 1205, 1225, 1226, 1400 (B, C, D, E), 1405, 1425, 1426, 1500, 1520, 1570, 1600, 1700, 1800, 2000, 2005, 2025, 7805, 70000 Series			15.60
15 C 8651 S	RPE-23	RPE	100, 300, 301, older 2TR mono			15.60
15 C 8596 S	RPE-24	RPE	500, 600			15.60
15 C 8597 S	RPE-40	RPE	204, 1120, 1515, 1515-2			32.50
15 C 8598 S	RPE-21	RPE	1500(SS, AV, D)			22.80
15 C 8599 S	7601	RP	11-4, 204-4, 1440 (B, C, D, E) 1515-4, 1616-4, 1818			28.50
15 C 8601 S	7720	E	All above			11.00
15 C 8602 S	6125	RPE	524, 504, 7500, 7540			21.00
15 C 8603 S	6002	RPE	1280, 1281			33.00
15 C 8604 S	7601	RP	1580, 1780 (B, C, D, E), 1980 (B, C, D, E) 1981 (B, C, D, E), 2200, 2205, 2225			28.50
15 C 8605 S	E-59	E	All above except 2200 series			17.75
15 C 8606 S	E-52	E	2200 series only			16.25
15 C 8665 S	6005	RPE	5200, 5250, 5280, 5300			33.00

\*RPE-20 Replaces original Nortronics head—RPE-23, original Shure.

### FOR SONY

Stock No.	Mfr's Type	Function	Models (May Be Prefixed TC or SSA)	†	QK	EACH
15 C 8854 S	1000	RP	262 (D, SL), 464 (CS, D, SL)	102		21.00
15 C 8854 S	1000	RP	300, 500, 501, 521	119		21.00
15 C 8607 S	1007	RP	200, 250, 260, 350	102		21.00
15 C 8711 S	1202	P	777S-4	102		28.20
15 C 8609 S	1210	R	263-263E, 350, 600, 777S-4	102		28.20
15 C 8709 S	1401	E	260, 350, 200, 250, 300, 500, 521, 262 (CS, D, SL), 464	306		12.00
15 C 8610 S	1402	E	262 (CS, D, SL), 777	305		12.00
15 C 8610 S	1402	E	263, 263E, 600	306		12.00
15 C 8611 S	2601	RP	101	102		15.90
15 C 8612 S	3602	E	101	305		8.00
15 C 8682 S	3600	E	102	19		8.00
15 C 8613 S	3002	RP	123			8.40
15 C 8706 S	3000	RP	135, 111			8.40
15 C 8697 S	3001	RP	905A, 801A, 102			8.40
15 C 8613 S	3002	RP	Cement to mount 900	21		8.40

### FOR PANASONIC

Stock No.	Type	Function	Models	†	QK	EACH
15 C 8832 S	3101	RP	101S, 102S, 152S	21		8.40
15 C 8682 S	3600	E	101S, 102S, 152S	18		8.00
15 C 8832 S	3101	RP	115, 500, 555			8.40
15 C 8712 S	2600	RP	700	66		15.90
15 C 8714 S	3100	RP	705	21		8.40
15 C 8682 S	3600	E	All above	19		8.00
15 C 8718 S	1003	RP	755, 755S	66		21.00
15 C 8709 S	1401	E	755, 755S	19		12.00

### MISCELLANEOUS REPLACEMENT HEADS

Stock No.	Type	Description	EACH
15 C 8854 S	1000	4-Tr. St. R/P: high imp.	21.00
15 C 8884 S	1001	4-Tr. St. R/P: med. imp.	21.00
15 C 8706 S	3000	2-Tr. Mono R/P: high imp.	8.40
15 C 8697 S	3001	2-Tr. Mono R/P: med. imp.	8.40
15 C 8866 S	1400	4-Tr. St. Erase: high imp.	12.00
15 C 8575 S	5800	8-Tr. Auto Tape Player Repl.	15.00

### Quik-Kit Hardware

Stock No.	Type	Description	EACH
15 C 8683 S	18	Side mount, all erase heads	1.00
15 C 8687 S	19	Base mount, all erase heads	1.00
15 C 8688 S	21	Base mount, R/P 3000 Series	1.00
15 C 8689 S	66	Base mount, R/P all others	1.00
15 C 8690 S	102	Sony R/P mount	1.75
15 C 8673 S	119	Sony R/P mount	1.00
15 C 8729 S	305	Sony erase mount	3.00
15 C 8828 S	306	Sony Erase Mount	1.50

### NORTRONICS Recorder Accessories

- 15 C 8111. AT-100 Alignment Tape. Full-track 7½ ips. For head azimuth alignment, NAB testing response of any recorder or tape head. Shpg. wt., 4 oz. .... 4.95
- 15 C 8795. TG-7 Tape Guide Post. Adjustable height, chrome-plated brass. With hardware, instructions. Wt., 3 oz. 1.00
- Oscillator Transformers. Provide 40-120 volts rms at 60-100 kHz to record, erase heads. Shpg. wt., 6 oz.
- 15 C 8894 S. T60F. For Tube Circuits..... 4.50
- 15 C 8895 S. T-60-T2. For Transistor Circuits..... 4.50
- 15 C 8719 G. New Tape Head Replacement Guide. Listing by recorder model and original head part number..... FREE

### Adjustable Mount Assemblies

Full range of adjustments for height, face and azimuth. Can use two TG-7 tape guide posts. Base size, 1¼" W x 1<sup>27</sup>/<sub>32</sub>" L with tabs; 1<sup>1</sup>/<sub>2</sub>" L without tabs. 4 oz.

Stock No.	Type	Description	EACH
15 C 8825	74	All R/P heads except 3000, 3100	2.25
15 C 8826	77	For 3000, 3100 series R/P heads	2.25
15 C 8827	78	For all erase heads	2.25

## MICHIGAN MAGNETICS

Replacement Heads for Cassette Recorders and Cartridge Players



04CR1PX-5. Mono cassette record/play head for 0.150 tape in C60, C90 and C120 cartridges. Improved frequency response over OEM imports. Integral tape guide preset for correct tracking. Shpg. wt., 6 oz.

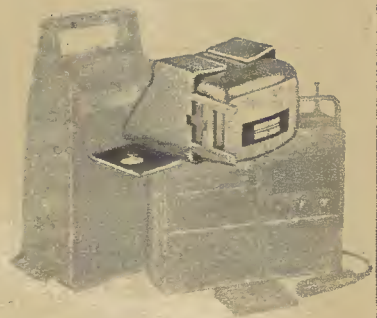
15 C 8614 S..... 15.95

08CR2PX-5. Stereo cassette record/play head for 0.150 tape in C60, C90, C120 cartridges. Crosstalk rejection of -35 dB; improved response, -10 dB at 10 kHz. 6 oz.

15 C 8615 S. \$5 Monthly..... 21.95

4NH2LS-0. 8-track stereo head for car and home cartridge players. Output at 1 kHz, 0.9 mV; 10 kHz relative, -10 dB. For Motorola, Lear, Muntz, Delco, etc.

15 C 8616 S. Wt., 6 oz..... 14.95



### AUDIO DEVICES Disc Recording Blanks

Smooth-coated on both sides of aluminum base. Red Label for professional use; Yellow Label for general use.

Stock No.	Size	Label	Base	Wt., Ea.	Lbs. Pkg.	PER PKG. OF 25 EACH
15 C 8050	10"	Red	.040"	6 oz.	8½	34.75
15 C 8051 X	12"	Red	.050"	9 oz.	13½	74.25
15 C 8052	10"	Yellow	.040"	6 oz.	8½	30.00
15 C 8053 X	12"	Yellow	.050"	9 oz.	13½	63.25

### AUDIPOINT Synthetic-Sapphire Disc Cutting Needles

For use with disc recorders. 87° included angle. Type 14 has .003" tip radius; Type 20 has .0005" tip radius. 2 oz.

Stock No.	Type	Description	Tip	Wt. Oz.	EACH
15 C 8108	14	Short shank, standard groove	.003"	2	4.95
15 C 8109	20	As above, for microgroove	.0005"	2	4.95
15 C 8118	14	Long shank, standard groove	.003"	2	4.95
15 C 8156	20	As above, for microgroove	.0005"	2	4.95



# Portable Typewriters, Adders for Home, Office

## Deluxe Electric Typewriter Outfit

- Full Office-Size Keyboard
- Automatic Repeat Keys
- Makes Up to 10 Copies

**\$159.95**

\$8 monthly

"Activator 1400" electric has automatic repeat spacing key and special repeat keys: — ... "XXX". Copy control gives clear copies, 1 thru 10. Wide-range accurate touch control. 10" carriage, full length key set tabulator. Two-color ribbon with push-button control for ribbon or stencil change. Comfort sloped 88-character keyboard. Line finder; half-line spacer; paper meter; jeweled on-off light. Electric outlet. All-steel construction. Pica (large) type. With stand, instruction record. 6x14x15½". 117 VAC. U.L. Listed. Japan.  
10 C 0404 L2U. \$8 Monthly. 47 lbs.. 159.95



### Student Special! Budget Portable

With Case **\$49.95** \$5 monthly

Ideal for the student, but the whole family will use it too! Full 88-character keyboard, including = + ! 1. 1, 1½. Has 2-line spacing; half-space ratchet for easy formula typing. Eraser table, card holder, paper scale, hand-set margins. Two-color ribbon adjustment, stencil position. Pica (large) type. Two-tone blue. All-steel construction. 6¾x11½x15". Luggage-style carry case. Japan. 15 lbs.  
10 C 4306 U. \$5 Monthly.....49.95



### Top-Value Full-Feature Portable

With Case **\$69.95** \$5 monthly

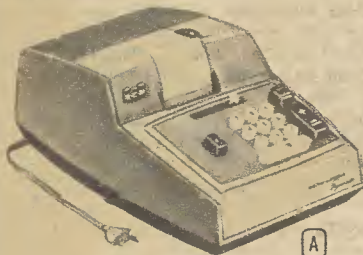
Includes many features of more expensive portables. Automatic key-set tab permits ultra-fast columnar work. Comfort-sloped 88-character keyboard with clear-view paper meter and scale. Touch selector, jam-release key. 1, 1½, and 2-line spacing plus half-spacer for formulas. Two-color ribbon, stencil selector. All steel. Pica (large) type. Luggage-style case. Blue. 8x18x16". Japan. Wt., 19 lbs.  
10 C 4311 U. \$5 Monthly.....69.95



### Heavy-Duty Home or Office Portable

Molded Case **\$89.95** \$5 monthly

Our best manual. Segment shift like office uprights, comfort-sloped 88-character keyboard with clear-view paper meter and scale. Jam-release key, variable line spacer, rapid paper advance, line finder. Vacuum molded case, snap-out mechanism. All steel. 7¾x18x16¾". Choice of Elite, Pica, or Script type. Japan. 23 lbs.  
10 C 4308 U. Elite Type.....89.95  
10 C 4309 U. Pica Type.....89.95  
10 C 4310 U. Script Type.....89.95



Adds, Subtracts, and Multiplies Electrically

**\$69.95** \$5 monthly

### A SCM Portable Electric Adder

Lightweight model for home or student use. Fast, smooth, one-handed operation. Add 7 columns (99,999.99), totals 8 (999,999.99). Snap-on keyboard cover. Retracting handle. Green/White. 7x9x13". Detachable cord. For 110-120 V, 60 Hz AC. Wt., 10½ lbs.  
10 C 4305 X. \$5 Monthly.....69.95

### B SCM Heavy-Duty Electric Adder

Model "890" adds, subtracts, multiplies 8 columns (999,999.99), totals 9 (9,999,999.99). Lightning-fast key response; correction key; simplified tape-feed system. Steel case holds extra tape (not incl.). Gray. 5¾x8x12". Detachable 9' cord. 117 VAC. 14½ lbs.  
10 C 4787 U. \$6 Monthly.....114.95

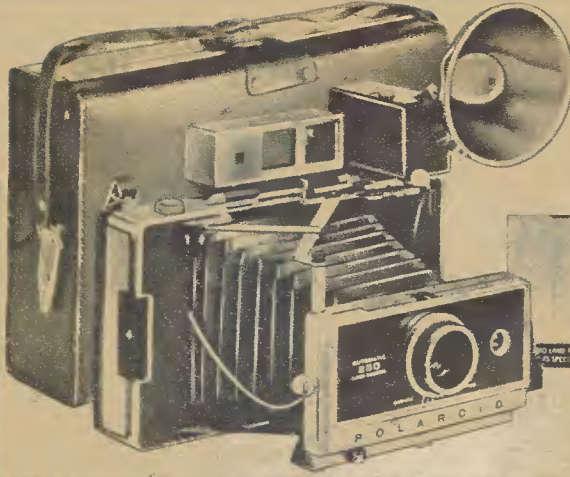


No Money Down with Allied's Credit-Fund Plan

ALLIED

171



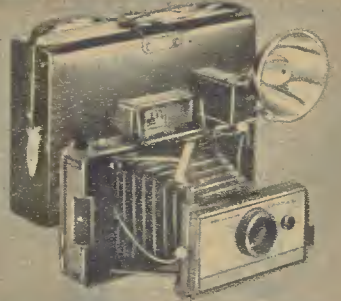
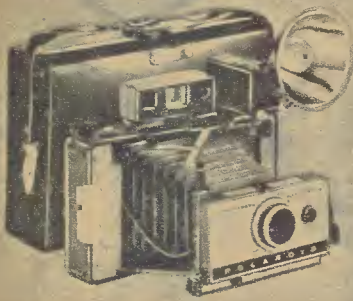


# Polaroid Camera Outfits

With Color Film  
**\$154.95**  
 \$8 monthly

## Model 250 17-Piece Deluxe Color-Pack Outfit

Finest Color-Pack Outfit we've ever offered. Zeiss-Ikon range/viewfinder corrects for parallax and field size. Four exposure ranges, sharp triplet lens with electric eye and electronic shutter. Automatic operation, even with flash. Automatically takes time exposures up to 10 seconds. Tripod socket. Color-Pack Camera; Case; Flash; Color Film Pack; 12 Flashbulbs; Album for 90 Photos. 6½ lbs.  
 10 C 0106 L2S. \$8 Monthly. . . . . 154.95  
 10 C 4824 S. Camera Alone. 3 lbs. . . . . 129.88  
 10 C 4859 S. 583A Close-Up Kit. For Model 250 only. Focuses to 9". 6 oz. . . . . 10.95  
 10 C 4704 S. 581A Portrait Kit. For 250 only. Focuses to 19". 6 oz. . . . . 10.95



## Model 230 17-Pc. Color Pack Outfit

With Color Film **\$114.95** \$6 monthly  
 • Razor-Sharp Triplet Lens  
 • Automatic Time Exposures

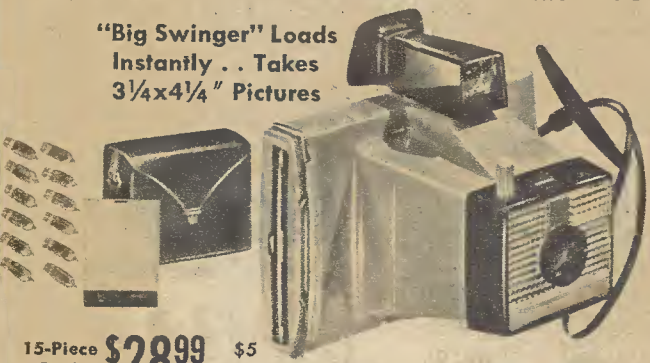
Expensive features, moderate price. Triplet lens, folding range/viewfinder. Automatic exposures up to 10 seconds. Plastic body. Includes: Camera; Case; Flash; Color Film Pack; 12 Flashbulbs; Album for 90 Photos.  
 10 C 0026 L2S. Wt. 7 lbs. \$6 Monthly. . . . . 114.95  
 10 C 4826 S. Camera Alone. Wt. 3 lbs. . . . . 99.50  
 10 C 4733 S. 581 Portrait Kit. For 230 only Focuses to 19". Shpg. wt. 6 oz. . . . . 9.95

## Model 210 17-Pc. Color-Pack Outfit

With Color Film **\$69.95** \$5 monthly  
 • Electronic Exposure Control  
 • Takes Full-Size Pictures

Our lowest priced Color-Pack outfit. Model 210 camera has a molded plastic body and shutter housing. Duplet lens. Exposure is set automatically, even for flash. Has non-folding Range/viewfinder, corrects for field size and has image sizer. Includes: Camera; Case; Flash; Color Film Pack; 12 Flashbulbs; Album for 90 Photos.  
 10 C 0034 L2S. Wt., 6 lbs. \$5 Monthly. . . . . 69.95  
 10 C 4830 S. Camera Alone. Wt. 3 lbs. . . . . 49.95

## "Big Swinger" Loads Instantly . . Takes 3¼x4¼" Pictures



15-Piece Outfit **\$28.99** \$5 monthly

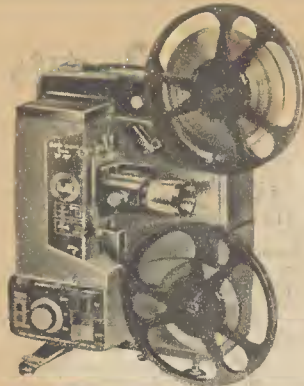
Makes full-size 3¼x4¼" black-and-white pictures in just 15 seconds. Viewfinder says "yes" when exposure is right. Loads instantly with Type 107 film pack. Has built-in flash; takes action shots, closeups, never needs focusing. Includes: Camera; Camera Case; Pack of Film; 12 Flashbulbs. Wt. 6½ lbs.  
 10 C 0090 L2S. \$5 Monthly. . . . . 28.99  
 10 C 4922 S. Camera Alone. Shpg. wt. 2 lbs. . . . . 22.88  
 10 C 4918 S. Case Alone. Wt. 1 lb. . . . . 4.95  
 10 C 4972 S. AG-1 Flashbulbs. Wt. 12 oz. . . . . Pkg. of 12 for 1.49

## Polaroid Film and Accessories

- 10 C 4928 S. Print Copier. Make color or B&W duplicates with your Polaroid. 1 lb. . . . . 7.95
- 10 C 4882 S. Carryall Case. Wt., 1½ lbs. . . . . 10.95
- 10 C 4883 S. Development Timer. 4 oz. . . . . 6.95
- 10 C 4884 S. Self-Timer. Wt., 4 oz. . . . . 4.95
- 10 C 4909 S. Flash Attachment. For 100- and 200-Series Cameras. Uses M-3 Bulbs. 1½ lbs. . . . . 6.95
- 10 C 4903 S. M-3 Flashbulbs. 12 oz. . . . . Pkg. 12/1.59
- 10 C 4885 S. Cloud Filter. Not for Models 210, 220, Swiguers. Wt. 7 oz. . . . . 4.95
- 10 C 4886 S. Cable Release. 4 oz. . . . . 1.95
- 10 C 4879 S. Type 107 8&W Film. 8 exp. 6 oz. . . . . 2.29
- 10 C 4880 S. Type 108 Color Film. 8 exp. 6 oz. . . . . 4.50
- 10 C 4784 S. Photo Album. Holds up to 90 3¼x4¼" photos in clear windows. 1 lb. . . . . 4.95

ACCESSORY LENSES: For Polaroid Models 100, 101, 103, 230, 240 and 250. From Japan.  
 10 C 4708 S. Telephoto Lens. 2X magnification. With viewfinder, leather case. 1 lb. . . . . 19.95  
 10 C 4709 S. Wide-Angle Lens. Increases coverage 75%. With viewfinder, leather case. 1 lb. . . . . 19.95  
 10 C 4854 S. Wide-Angle/Telephoto Lens Outfit. Separately, \$39.90. Includes both lenses listed above with dual viewfinder, case. 2 lbs. . . . . 34.95





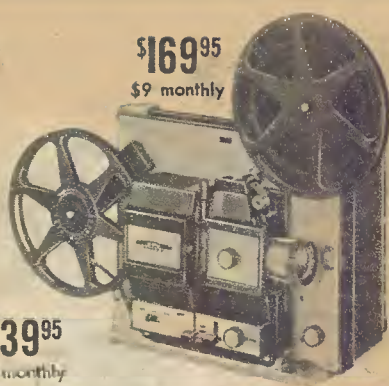
**\$89<sup>95</sup>**

**\$5 monthly**



**\$139<sup>95</sup>**

**\$7 monthly**



**\$169<sup>95</sup>**  
**\$9 monthly**

## Dual 8 Projectors Show Super-8 and Standard 8mm

### DeJur Model DP-787 Projector

Shows Super 8 or regular 8mm films at the flip of a switch. Deluxe features include automatic threading, multiple speed control, forward/reverse/still projection, automatic room lamp receptacle that turns light off when projector is turned on. Film trimmer. 400' capacity. f/1.5 lens. For 117 V, 60 Hz AC. Wt., 16 lbs.

- 10 C 4734 U. \$5 Monthly. . . . . 89.95
- 10 C 4735 U. DP-787Z. Above, but with f/1.5 Zoom lens. 18 lbs. . . . . 114.95
- 10 C 4749 S. DeJur Projection Lamp. Shpg. wt., 6 oz. . . . . 6.25

### DeJur Model DP-999 Projector

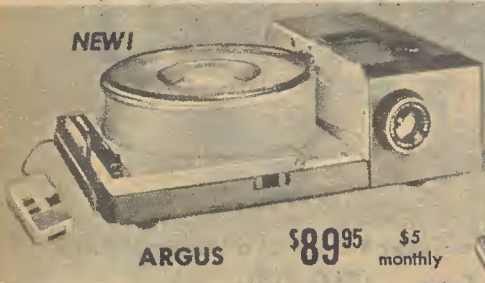
See your Super 8 or regular 8mm films normally or turn a knob and watch them on the built-in TV-like screen. Fully-automatic—just insert end of film into gate, projector turns itself on, turns room lamp off. Shuts itself off at end of movie. f/1.4 zoom lens. Variable forward, reverse speeds; still projection. Film trimmer. 400' capacity. For 117 V, AC. Wt., 20 lbs.

- 10 C 4741 U. \$7 Monthly. . . . . 139.95
- 10 C 4736 U. DP-909. Above, without viewing screen. With f/1.3 zoom lens. Shpg. wt., 20 lbs. . . . . 129.95

### Bell & Howell 466Z Projector

Just set selector to show Super 8 or regular 8mm. Automatic threading reel-to-reel. Dial focusing. Forward, still, and reverse. Variable projection speed with slow motion. f/1.2 zoom lens. 400' capacity. Dual 8 Film cutter. With 3 Super-8 reel adapters, 400' takeup reel. 117 V, AC. 17 lbs.

- 10 C 4742 U. \$9 Monthly. . . . . 169.95
- 10 C 4834 U. 456Z. Above, f/1.6. No slow motion, var. speed. 17 lbs. 149.95
- Projection Lamps. Shpg. wt., 6 oz.
- 10 C 4749 S. DLH. For 466Z. . . . . 6.25
- 10 C 4840 S. DJL. For 456Z. . . . . 5.50



**NEW!**

**ARGUS**

**\$89<sup>95</sup>**

**\$5 monthly**



**AIREQUIPT**

**\$59<sup>95</sup>**

**\$5 monthly**



**NEW!**

**\$99<sup>95</sup>**

**\$5 monthly**

### Argus 909 "Roundabout" Slide Projector

Low silhouette slide projector has full remote control—lets you change slides, reverse, even focus from your easy chair. Whisper-quiet turbo blower provides cool operation. 500-watt illumination. f/3.5 4" lens. Fine-focus, elevation controls. Shows all 2x2" slides. Uses 100-slide round trays or 60-slide straight trays. Editing feature. Easy to carry—even with 100 slides ready to show. Cover has built-in screen. Remote control, round tray. For 110-120 VAC. Wt., 20 lbs.

- 10 C 4753 U. \$5 Monthly. . . . . 89.95
- 10 C 4942 S. 100-Slide Round Tray. 1 lb. . . . . 2.98
- 10 C 4943 S. 60-Slide Straight Tray. 1 lb. . . . . 2.19

### Airequipt Slide Projector Accessories

- A** 10 C 4434 S. 4-6" f/3.5 Zoom Lens. Wt., 6 oz. . . . . 34.95
- B** 10 C 4435 S. Sound Synchronizer. Slides change to your sound track. For stereo recorder. With cable, adapter. 6 oz. 24.95
- 10 C 4827 S. 36-Slide Metal Magazine. 1/2 lb. 1.69
- 10 C 4828 S. 36-Slide Plastic Magazine. 1/2 lb. 1.39
- 10 C 4812 S. 40-Slide Metal Stacker Tray. 1/2 lb. 8.95
- 10 C 4912 S. 100-Slide Round Magazine. 1 lb. 2.69

## Automatic 35mm Slide Projectors

### Remote Control Model 135

Our best-selling slide projector. Designed to give you "most-wanted" features at lowest possible price. Remote controls for forward, reverse, focusing. 4" three-element lens. Panel controls for elevation, Focus. 500-watt lamp. Efficient cooling system. Jamproof changer handles 2x2" slides. With 100-slide magazine. Uses Airequipt metal or plastic trays, plus stacker. 115 VAC. Wt., 11 lbs.

- 10 C 4811 X. \$5 Monthly. . . 59.95

### Electronic Focusing 350/EF

Just focus the first slide by remote control—all others focus automatically in just 1/40th second. Remote controlled forward and reverse slide changing. Has bright, long-lasting 500-watt "Luminac" lamp. Thumb control for elevation and leveling leg. Panel focusing control. 4" f/3.5 lens. Enclosed exhaust system. Uses Airequipt metal or plastic trays, plus stacker. For 115 VAC. Wt., 14 lbs.

- 10 C 4751 U. \$5 Monthly. . . 99.95

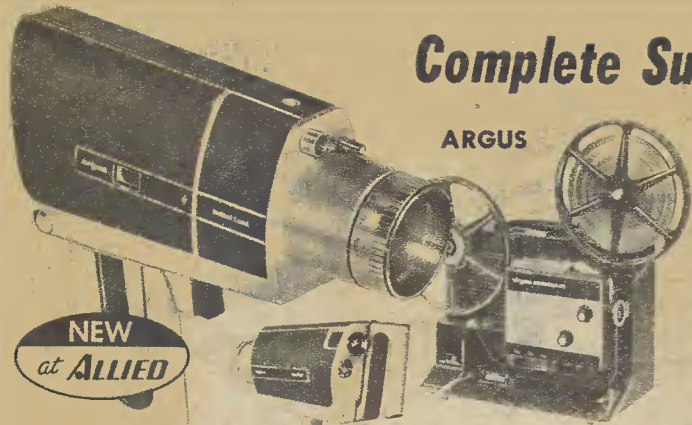
### New Model 125 Low-Cost Semi-Automatic Projector

Same styling and features of Model 135 listed above except no remote control. Has panel focusing. Three-way on-off switch. Handles 2x2" slides. With 100-slide magazine. Uses Airequipt metal or plastic trays, plus stacker. 115 V, 60 Hz AC. Shpg. wt., 10 lbs.

- 10 C 4750 X. \$5 Monthly. . . . . 49.95



# Complete Super 8 Movie Outfits



**ARGUS**

**Deluxe Super 8 Zoom Movie Outfit**

Save **\$42.80** **\$199.95**  
\$10 monthly

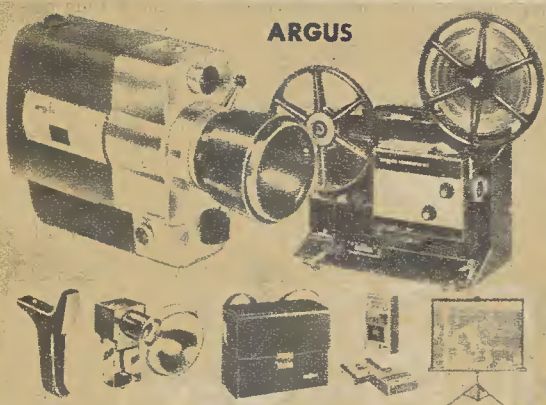
Separately,  
**\$242.75**

New Argus 815 Super 8 Camera has automatic thru-the-lens CdS eye, f/1.8 3:1 zoom lens (focuses 3' to infinity), electric film drive, "Flip-Grip" folding handle, reflex viewing with data-scope, action light. Argus 871B Super 8 Projector has automatic reel-to-reel threading, forward/reverse/still projection, room light outlet, 400' takeup reel. Also: holster-type camera case, movie light, 4 "AA" batteries. Kodachrome II film cartridge, 30x40" tripod screen. From Japan. Shpg. wt., 30 lbs.

**NEW**  
*at* **ALLIED**



- 10 C 0118 L2U. \$10 Monthly..... 199.95
- 10 C 4788 S. Camera Alone. Includes film, 4 "AA" batteries. Wt., 5 1/4 lbs..... 124.95
- 10 C 4790 X. Projector Alone. 20 lbs..... 89.95
- 10 C 4990 S. Light Alone. Wt., 4 lbs..... 6.95
- 10 C 4754 S. Holster Case, Strap. 3 lbs..... 12.95
- 10 C 4436 U. Screen Alone. 7 lbs..... 7.95



**ARGUS**

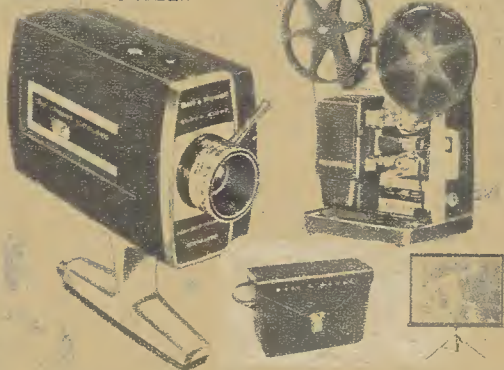
**Value-Priced Super 8 Zoom Movie Outfit**

Save **\$33.75** **\$169.95**  
\$9 monthly Separately,  
**\$203.70**

Argus 811 Camera: Instant loading; f/1.8-10-30mm zoom lens; CdS electric eye; electric film drive; thru-lens reflex viewing. Argus 871B Super 8 Projector: Automatic threading; forward/reverse/still. Camera case; light; batteries; color film cartridge; 30x40" screen; camera grip. Japan. 30 lbs.

- 10 C 0119 L2U. \$9 Monthly..... 169.95
- 10 C 4871 S. Camera Alone. Batts. 5 lbs..... 79.95
- 10 C 4754 S. Case for Camera. 2 lbs..... 10.95
- 10 C 4273 S. Pistol Grip for Camera. 2 lbs..... 7.95
- 10 C 4436 U. Tripad Screen Alone. 7 lbs..... 7.95

**BELL & HOWELL**



**Custom Super 8 Outfit at a Moderate Price**

Save **\$41.85** **\$184.95**  
\$10 monthly Separately,  
**\$226.80**

Model 430G Camera: CdS electric eye, f/1.9 11-35mm manual zoom lens, electric film drive, pistol grip. Model 346 Super 8 Projector: f/1.6 lens automatic threading, forward/reverse/still projection, framer, tilt control, film cutter. Also: camera case, 30x40" tripod screen. Shpg. wt., 30 lbs.

- 10 C 0110 L2U. \$10 Monthly..... 184.95
- 10 C 4721 S. Camera/Grip Alone. Wt., 4 lbs..... 119.95
- 10 C 4287 X. Projector Alone. 16 lbs..... 84.95
- 10 C 4983 U. Screen Alone. Wt., 9 lbs..... 9.95
- 10 C 4987 S. Case Alone. Wt., 2 lbs..... 11.95



**NEW**  
*at* **ALLIED**

**Instaview 120 Editor**

Deluxe dual 8mm editor has adjustable speed for editing and fast rewind, 12 sq. in. picture, slip-in loading. Focusing, framing, frame marker, lamp switch controls. 400' capacity. Dual reel holders, splicer, tape. 117 VAC. Wt., 10 lbs.  
10 C 4294 X. \$5 Monthly 32.95  
10 C 4296 X. Dual 8 Edviewer. Above, except crank operated Shpg. wt., 9 lbs..... 22.95

**\$32.95**  
\$5 monthly

Features Motor Drive

**Super 8 Color Film**

Kodachrome II color film in 50' cartridge. For all movie cameras listed on this and facing page. Shpg. wt., 6 oz.

- 10 C 4932 S..... 2.69

**"AA" Alkaline Batteries**

Boast long life, dependable performance. Specially suited for photographic applications. Cameras listed use four. Wt., 3 oz.  
18 C 5131..... Pkg. at 2 for 66¢



# New Super 8 Movie Cameras, Complete Outfits



**\$99.95**

\$5 monthly

## Dejor 3:1 Power Zoom

Model 300. Features through-the-lens viewing and automatic electric-eye exposure for all films from ASA 25-250. Manual override. Professional-type fade-in and fade-out effects. Dynazoom f/1.8 10.5-32mm 3:1 power zoom lens. Electric film drive with regular and slow-motion speeds. End-of-film indicator in viewfinder, automatic-reset film footage counter. Remote control. Adjustable eyepiece, lens shade, eye hood, batt. tester. Built-in Type A filter. Leas batteries, Japan. 10 C 4117 S. 6 lbs. \$5 Mo. . . 99.95



**\$134.95**

\$7 monthly

## Yashica 4:1 Power Zoom

Model 40E. New "Servomatic" control eliminates delicate meter movements, provides instant response to light changes. Behind-lens CdS cell samples light, servo motor adjusts diaphragm. Sharp f/1.8 9-36mm power zoom lens focuses 3.5' to infinity. Spotlight and backlight compensation. Single frame, 12, 18, 24 FPS. Adjustable viewfinder, automatic resetting film footage counter. Remote control. Battery tester. "A" filter. Wrist strap, batteries, Japan. 10 C 4732 S. 4 lbs. \$7 Mo. . . 134.95



**\$154.95**

\$8 monthly

## Yashica 6:1 Power Zoom

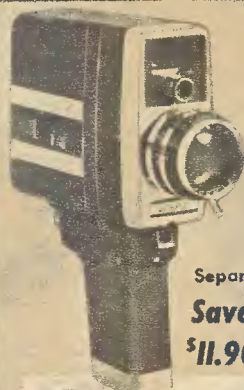
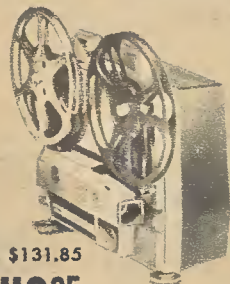
Model 60E. Our best. New "Servomatic" exposure control—lens adjusts instantly to variations in light. 6:1 ratio f/1.8 power zoom 8-48mm lens. Adjustable thru-lens viewfinder shows f/stop in use, warns of under-exposure. Three motors. Spotlight, backlight exposure compensation. Single frame, 12, 18, 24 FPS. Self-resetting film footage counter. Remote control. Battery tester. Built-in A filter. Wrist strap, batteries, Japan. Shpg. wt., 4 lbs. 10 C 4106 S. \$8 Monthly. . . 154.95



Separately, \$131.85

Save **\$119.95**

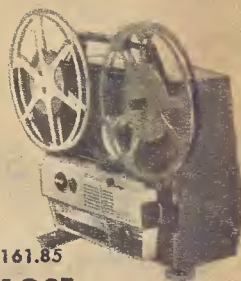
\$11.90 \$6 monthly



Separately, \$161.85

Save **\$149.95**

\$11.90 \$8 monthly



Shows Super 8 and Standard 8mm

## Our Lowest Priced Super 8 Zoom Movie Outfit

Camera has f/1.8 manual 2:1 Zoom lens, CdS electric eye exposure, cartridge load, battery film drive, pistol grip. Projector has f/1.4 lens, automatic threading, swingline focus control, self-contained case, 500-watt brilliance bulb. Accessory Pkg. Camera case, 30x40" tabletop screen, light bar, 2 bulbs, 4 batteries, pkg. Super 8 film, picture taking guide. Japan. Shpg. wt., 25 lbs.

10 C 0112 L2U. \$6 Monthly. . . 119.95

10 C 4838 S. Viceroy Camera Alone. 3½ lbs. . . 54.95

10 C 4839 X. Viceroy Projector Alone. Wt., 12 lbs. . . 59.95

10 C 0114 L2U. Accessory Package Alone. Wt., 8 lbs. . . 16.95

## All Zoom Movie Outfit with Dual 8 Projector

Camera. f/1.8 manual 2:1 zoom lens, CdS electric eye exposure, cartridge loading, battery film drive, pistol grip. Anco 488Z Projector. Shows Super and regular 8 mm. forward/reverse/still/rapid forward projection. Accessory Package. Case, 30x40" tripod screen, movie light, splicer, 3 extra reels, storage cans, film cartridge, picture taking guide, batteries. Japan. Shpg. wt., 31 lbs.

10 C 0111 L2U. \$8 Monthly. . . 149.95

10 C 4411 X. Anco Dual 8 Projector Alone. 13 lbs. . . 79.95

10 C 0117 L2U. Accessory Pkg. Alone. 17 lbs. . . 26.95

10 C 4436 U. 30x40" Tripod Screen Alone. 7½ lbs. . . 9.95

Cameras on This Page Use Only Super 8 Film

ALLIED 175



# Fine Quality 35mm Cameras at Low Allied Prices

MAMIYA/SEKOR

YASHICA

YASHICA



Versatile TL 35mm SLR

**\$157<sup>95</sup>**

- Through-the-Lens CdS Exposure Control
- Lens Interchangeability

Popular-priced single-lens-reflex features the same cross-coupled thru-lens exposure control as Yashica's famous TL Super. Just match needle in viewfinder for perfect exposure. ASA range, 25-800. Full lens interchangeability with any standard screw-threaded lens. 50mm f/2 lens focuses 1 1/2' to infinity. Focal plane shutter, 1/2-1/500 sec., bulb, self timer. "Hot" accessory shoe. FP-X flash sync. Multi-slot takeup spool for fast loading. Single-stroke film advance. Japan. Shpg. wt., 5 lbs.

10 C 4782 S. \$8 Monthly..... 157.95



Low-Priced 528TL 35mm SLR

**\$94<sup>95</sup>**

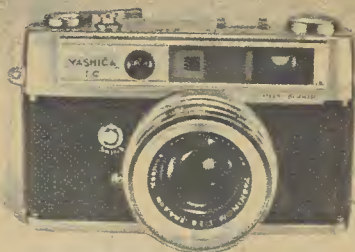
- Our Lowest Priced SLR
- Automatic Exposure
- Thru-Lens Spot Meter

Our lowest priced single-lens-reflex camera has fully automatic exposure control with manual override. Through-the-lens CdS "Spot" meter provides exact readings with any filter on lens. Non-interchangeable 48mm f/2.8 lens. Instant return mirror. Speeds, 1/500-1/15 sec., bulb. Synchronization for M, F bulbs, electronic flash. Accepts 52mm accessories. Japan. 3 lbs.

10 C 4869 S. \$6 Monthly..... 94.95

10 C 4851 S. Auxiliary Telephoto Lens for Above. Wt., 1 lb..... 29.95

10 C 4945 S. Auxiliary Wide-Angle Lens for Above. Wt., 1 lb..... 29.95



5000E 35mm Camera

**\$79<sup>95</sup>**

- New Integrated Circuit Exposure Control
- 45mm f/1.8 lens

Deluxe rangefinder camera with advanced integrated circuit exposure control. Just turn aperture ring until lights in viewfinder indicating over or under exposure go out. System has no fragile meter movements, is virtually invulnerable to shock. 45mm f/1.8 lens focuses 2.6' to infinity. Speeds 1-1/1000 sec., bulb, self-timer. M-X sync. ASA 10-800. One-stroke film advance. Japan. Wt., 5 lbs.

10 C 4460 S. \$5 Monthly..... 79.95

Lynx-14E. Above, but with faster f/1.4 lens; speeds to 1/500 second. 5 lbs.

10 C 4461 S. \$5 Monthly..... 99.50

MINOLTA



SR-T 101 Single Lens Reflex

**\$239<sup>95</sup>**

- CLS—Contrast Light Compensator
- Rokkor f/1.7 55mm Lens

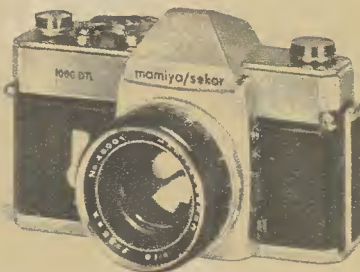
Focusing, composing, shutter speed, and exposure data all visible in control-integrated viewfinder. CLS (Contrast Light Compensator) light averaging system indicates setting needed for ideal contrast and overall exposure. Reading is made thru-lens at maximum aperture. 55mm f/1.7 lens in bayonet mount. ASA 6-6400. Quick return mirror with lock up. Speeds, 1-1/1000 sec. plus B. Depth of field preview. Self timer. FP/X flash sync. From Japan. Wt., 5 lbs.

10 C 4775 S. \$12 Monthly..... 239.95

10 C 4776 S. 35mm f/2.8 Wide-Angle Lens for SR-T 101. Case. 1 lb..... 109.95

10 C 4786 S. 135mm Telephoto Lens for SR-T 101. Lenshood, Case. 1 lb. 129.95

MAMIYA/SEKOR



1000 DTL Single-Lens Reflex

**\$209<sup>50</sup>**

- Both Spot and Averaging Metering Systems
- Lens in Universal Mount

First SLR with both spot and averaging thru-lens metering. Switch selects system, pointer in viewfinder indicates one in use. Pressing film advance lever to camera body activates system, stops down lens for exposure reading. Area measured by each system outlined in viewfinder. ASA 25-3200. 55mm f/1.8 lens in universal thread mount. 1-1/1000 sec., plus B. Self timer. FP/X flash sync. Extra lenses listed on facing page. From Japan. Wt., 5 lbs.

10 C 4464 S. \$11 Monthly..... 209.50

Mamiya/Sekor 500 DTL. Same dual metering system as above. 50mm f/2.0 lens. 1-1/500 sec., B. FP/X. From Japan. Shpg. wt., 5 lbs.

10 C 4472 S. \$9 Monthly..... 169.50

YASHICA



TL-Super Single-Lens-Reflex

**\$189<sup>95</sup>**

- Mirror Lockup Feature
- Dual Thru-Lens CdS Light Sensors

Yashica's finest SLR. Dual CdS sensors read exposure through stopped-down lens. Easy-to-use match needle exposure control is coupled to ASA range from 25-800. 50mm f/1.7 lens in universal thread mount. Micro-screen focusing to 1 1/4 ft. Instant return mirror with lock-up for use with extrawide-angle lenses. Quiet focal-plane shutter has speeds from 1 to 1/1000 sec., plus B. Self-timer. FP/X flash sync. "Hot" accessory shoe. From Japan. Wt., 5 lbs.

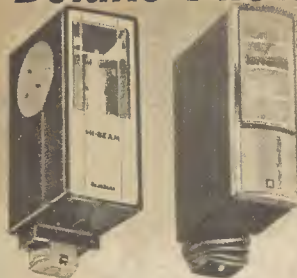
10 C 4430 S. \$10 Monthly..... 189.95

Yashica TL-Super f/1.4. Same as above, but with super-fast f/1.4 lens. From Japan. Shpg. wt., 5 lbs.

10 C 4462 S. \$11 Monthly..... 219.95



# Deluxe Photo Accessories, Subminiature Camera



**Kako Hi-Beam** \$24.95  
\$5 monthly

**Vivitar 120** \$36.95  
\$5 monthly

**Kako Elite II Electronic Flash.** Kod. II guide 40. Recycles in 8-10 seconds. 40 flashes/charge. Voltage monitor. Duration, 1/2000 sec. With 4 NiCad recharge. batts., also for 110-120, 220-240 VAC. Univ. mount, PC cord. 10 C 4997 S. Japan. Shpg. wt., 3 lbs. \$5 Monthly. 42.95  
18 C 5629. AA 1.5 V Nicad Battery. 3 oz. . . . . Each 1.93

**New Compact Kako Hi-Beam Electronic Flash.** Kod. II guide 40. Recycles in 8-10 seconds. 60 flashes/charge. Duration 1/3000 second. Operates from 2 built-in NiCad batts or 117 VAC. Japan. With batts. 10 C 4756 S. Wt., 1 1/4 lbs. \$5 Monthly. . . . . 24.95

**Vivitar 120 Electronic Flash.** Kod. II guide 35. Recycles in 8-10 seconds. Duration 1/1000 sec. 50 flashes/charge. Built-in NiCad battery; also for 117 VAC. PC cord, hot shoe mount. W. Germany. 1 3/4 lbs. 10 C 4978 S. \$5 Monthly. . . . . 36.95  
10 C 4979 S. Vivitar 130. Above, but Kod. II guide 44. 65 flashes/charge. Wt., 1 1/4 lbs. . . . . 47.95



**Kako Elite II**  
**\$42.95**  
\$5 monthly

## Tripods for Still And Movie Cameras

**Sunset F02000.** Boasts channel-type 3-section aluminum legs with reversible rubber and spike feet. Has vertical tilt and 360° pan head with indicator. Extends to 52" with 14" lift column. Telescopes down to 18". From Japan. Shpg. wt., 4 1/2 lbs. 10 C 4875 X. . . . . 17.95

**Quick-Set 6000.** Has 3-section telescoping legs. 21 3/4" to 59" plus 14" lift column. Chrome-plated, geared elevator column, bright finish on upper legs. Shpg. wt., 3 lbs. 10 C 4876 X. . . . . 12.95



**Sunset F02000**  
**\$17.95**



**Enlarging Outfit**  
**\$87.50**  
\$5 monthly

## Enlargers and Darkroom Kit

**35mm Enlarging Outfit.** All you need to make professional-quality prints up to 8x10". With condenser enlarger, 35mm neg. carrier, lens, safe light, 3—8x10" trays, 2 print tongs, roll film tank, thermometer, 2—film clips, 4-way easel, instructions. Less #211 enlarger bulb, below. Japan. 10 C 4757 U. Wt., 26 lbs. . . . . 87.50

**Accura Color Enlarger.** Enlarges 2 1/4 x 2 1/4" negatives, color or B&W, up to 15x15". Filter drawer. Double condenser. 75mm f/3.5 lens. Adjustable easel. 2 1/4 x 2 1/4" carrier. Req. #211 bulb. 21x16 1/2 x 9 1/2". 117 VAC-DC. 10 C 4893 X. Japan. 21 lbs. . . . . 44.95

**Accura 35mm Enlarger.** Make blowups to 8x10" on baseboard. Double condenser. 50mm f/3.5 lens. 5x7" adjustable easel. Req. #211 bulb. 15 1/4 x 13 1/2 x 8". 117 VAC-DC. Japan. 11 lbs. 10 C 4892 X. \$5 Monthly. . . . . 24.95  
10 C 4622 S. #211 Bulb. 3 oz. . . . . 80



**Color Enlarger**  
**\$44.95**  
\$5 monthly



**35mm Enlarger**  
**\$24.95**  
\$5 monthly

## Yashica "Atron" Ultra-miniature Camera

You won't miss that "once-in-a-lifetime" shot with this ultra-miniature camera that goes where you go. Just align dial with meter needle and shoot. Camera selects lens opening (f/2.8-f/16) and speed (1/45-1/250). Has built-in Y2, UV filters. Size, 4x 1/2 x 1 1/2". Weighs only 4 oz. Includes 80 B and 4x filters, flash, case. From Japan. Shpg. wt., 3 lbs. 10 C 4998 S. \$5 Monthly. . . . . 84.95

**FILM.** 36 exp./cartridge. 3 oz. 10 C 4999 S. Kodachrome II Color Film. . . . . 2-Roll Pkg./3.19  
10 C 4802 S. XT Pan. Black-and-White Film. . . . . 2-Roll Pkg./1.79



**Pocket-Size Outfit**

**With Case, Flash, Filters**  
**\$84.95**  
\$5 monthly

## Vivitar and Accura Lenses for 35mm SLR's

**Preset Lenses**



**Automatic Lenses**



**A—Accura, V—Vivitar.** Fit Yashica, Pentax, Mamiya/Sekor Type lens mounts only. Adapter, lens, dust cap included. Not for Nikon, Canon, Minolta. From Japan.

**A 35mm f/2.8 Wide-Angle Lens.** 63° coverage angle. Focuses from 3-ft. Stops down to f/16. Wt., 9 oz. 10 C 4994 S. \$5 Mo. . . . . 36.95

**V 135mm f/2.8 Telephoto Lens.** 18° coverage angle. Focuses from 6-ft. Stops down to f/22. Wt., 11 oz. 10 C 4760 S. \$5 Mo. . . . . 34.95

**V 180mm f/3.5 Telephoto Lens.** 12° coverage angle. Focuses from 12-ft. Stops down to f/32. Wt., 1 lb. 10 C 4761 S. \$5 Mo. . . . . 42.95

**A 300mm f/5.5 Telephoto Lens.** 6x magnification. Focuses from 25-ft. Tripod socket. 8° coverage. 2 1/2 lbs. 10 C 4431 S. \$5 Mo. . . . . 44.95

**A 70-230mm f/4.8 Zoom.** Over 3-1 zoom ratio. Stops to f/22. Focuses to 8-ft. Tripod socket. Wt., 2 1/2 lbs. 10 C 4487 S. \$6 Mo. . . . . 119.95

**A—Accura, V—Vivitar.** Stap down automatically with Yashica, Pentax, Mamiya/Sekor lens mounts. Lens dust cap included. Not for Nikon, Canon, etc. From Japan.

**V 35mm f/2.8 Wide-Angle Lens.** 62° coverage angle. Focuses from 3 ft. Stops down to f/16. 1 lb. 10 C 4763 S. \$5 Mo. . . . . 59.95

**V 135mm f/2.8 Telephoto.** 18° coverage angle. Focuses from 5-ft. Stops to f/32. Sun shade. 2 lbs. 10 C 4762 S. \$5 Mo. . . . . 69.95

**A 200mm f/3.5 Telephoto.** 12° coverage angle. Focuses from 12-ft. Stops down to f/22. 2 1/2 lbs. 10 C 4486 S. \$5 Mo. . . . . 79.95

**A 300mm f/5.5 Telephoto Lens.** 8° coverage angle. Tripod socket in rotating collar. Stops to f/22. 2 1/2 lbs. 10 C 4488 S. \$5 Mo. . . . . 79.95

**A 70-230 f/4.8 Zoom.** 3.3-1 zoom ratio. Stops to f/22. Focuses to 8-ft. Tripod socket. Wt., 3 lbs. 10 C 4490 S. \$8 Mo. . . . . 149.95

Get the Photo Equipment You Want Now with Your Allied Credit Fund

ALLIED 177





## Precision 60mm Astronomical Telescopes and Outfits

### A New! Our Best Telescope Outfit—450 Power

So powerful you can peer deep into space, track man-made satellites, even see Saturn's ring on a clear night. Achromatic, coated 60mm objective lens with three separate eyepieces—46X, 152X, and 227X, plus Barlow lens to double each power. Diagonal prism for right-angle viewing. Erecting prism for terrestrial viewing. Projecting screen and filter for observing sun. Moon filter, also. 6x30 finder scope with cross-hairs. Counter balanced 3-axis (polar and horizontal declination) equatorial/altazimuth mount. Slow-motion cable controls. Rack-and-pinion focus. 900mm focal length. Illuminated metal parts tray. Five-ft. wood extension tripod. Scope has gray metal body, chromed attachments. Length: open, 38½"; closed, 32½". Hardwood case, instructions. Japan.

10 C 4383 U. Shpg. wt., 31 lbs. \$5 Monthly ..... 99.95

### B 350-Power Astronomical Telescope Outfit

Large 60mm objective lens, three eyepieces and 2X Barlow lens for 35X, 70X, 117X, 234X, 175X, 350X. Sun filter, moon filter, projection screen, 5x24 finder scope, star diagonal, erecting prism, 700mm focal lgth. 5-ft. tripod; altazimuth mount. Illuminated parts tray. Instructions. From Japan.

10 C 4196 U. Shpg. wt., 25 lbs. \$5 Monthly ..... 59.95

### C 90-Power Terrestrial Telescope

Five high-power magnifications for astronomical or terrestrial use. Hard-coated 60mm objective lens, single eyepiece with 15X, 30X, 45X, 60X and 90X settings. 550mm focal lgth. Precision crosshair finder. 5-ft. adjustable tripod with altazimuth mount. 27" barrel. Japan.

10 C 4214 X. Shpg. wt., 12 lbs. \$5 Monthly ..... 29.95

## Laboratory-Type Zoom Microscope Outfits



### Deluxe 2-Microscope Outfit

With 50X and 100X Reflecting Viewer

\$39.95

Top-value outfit includes 40X-1200X wide-angle microscope, plus 50X and 100X reflecting microscope viewer. Ideal combination for the serious student of microbiology. Precision wide-angle microscope features rotating turret with 5X, 12X, 40X and 60X objectives; 8X and 10X eyepieces. Plano-concave mirror with light that operates from battery or AC transformer. 3½x3" stage. Rack and pinion mechanism, micro-fine adjust. Reflecting microscope projects image on screen for easy study of microscopic detail, operates on two "C" batteries (not included). Outfit complete with electric illuminator, instruments, specimens. Gift box. Japan. 14 lbs.

10 C 4251 X. \$5 Monthly ..... 39.95



D Complete 77-Piece Microscope Outfit \$29.95

E \$19.95

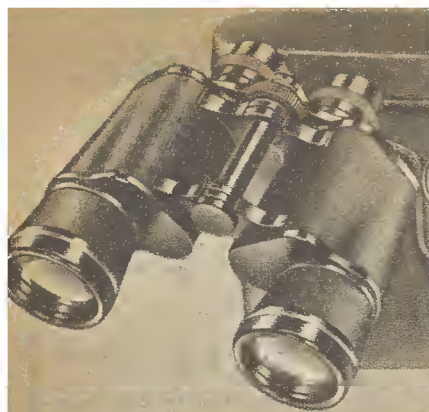
D Technician-type with zoom power from 50-1200X. Has 10X through 20X zoom ocular; 8X, 20X, 40X, and 60X achromatic objectives on rotating turret. Plano-concave mirror with AC transformer for light power supply. Micro-fine adjust, safety stop. 77-piece outfit includes slides, specimens, instruments. Gift box. Japan. 12 lbs.

10 C 4319 X. \$5 Monthly ..... 29.95

E 900X Zoom Microscope Outfit. 4-objective enclosed turret with 5X, 10X, 40X, and 60X achromatics. Zoom ocular 10X through 15X. Battery-operated light; safety stops. Wood case, slides, specimens, book. Japan.

10 C 4256 X. Shpg. wt., 8 lbs. \$5 Monthly ..... 19.95





## Binocular, Telescope Values



All Binoculars Equipped with Roll-Down Rubber Eyecups for Convenient Use with Eyeglasses



With Easy-Access Carrying Case

### Powerful 20x50 Long-Range Binoculars

**\$2995**

- New with Roll-Down Rubber Eyecups
- Hard-Coated Achromatic Objectives
- Ideal for Satellite Tracking

Our most popular binoculars now include roll-down rubber eyecups to keep oculars from scratching eyeglasses or sunglasses. Full 20-power magnification and giant 50mm objective lenses give you the large, bright images necessary for spectacular long-distance views. Specially recommended for skywatching—star gazing and tracking satellites. Also great for birdwatching, long-distance game hunting. Center focus. Hard-coated achromatic objective lenses. Full 157' field at 1000 yards. 6½" high. With carrying case. From Japan. Shpg. wt., 6 lbs.

10 C 4190 S. \$5 Monthly..... 29.95

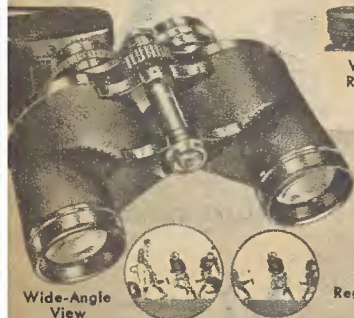
### Deluxe 20x50 Long-Range Binoculars

**\$3995**

- Permanent Roll-Down Rubber Eyecups
- Tripod Mount • Coated Lenses Throughout
- Deluxe Easy-Access Carrying Case Incl.

Deluxe quality binoculars boast amber-coating on all glass-to-air surfaces, achromatic objective lenses, provision for mounting on any standard tripod. Ideal for astronomy, bird watching, hunting. Permanent fold-down soft rubber eyecups can't become lost or misplaced. Center focus, right eye adjustment. 173' field at 1000 yards. Weigh only 36 ounces. Relative luminosity, 9.4. With deluxe easy-access case that protects binoculars when not in use, positions binocular for instant access when opened. 16-page instruction booklet. Japan. 6 lbs.

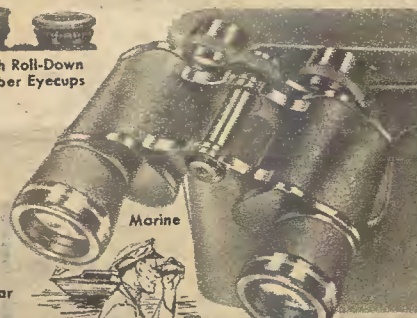
10 C 4257 S. \$5 Monthly..... 39.95



Wide-Angle View



With Roll-Down Rubber Eyecups



Marine

Regular

**\$3695**

### Wide-Angle 8x40mm Sports Binoculars

Wide-angle, with more power and light-gathering, yet compact and lightweight—weigh only 27 ounces. Ultra-violet coated lenses. 472' field at 1000 yards. Exit pupil 5mm. Luminosity, 25. Center focus. Folding rubber eyecups Tripod socket. 4½" high. Japan. 6 lbs.

10 C 4216 S. \$5 Monthly..... 36.95  
10 C 4198 S. As above, but 7x35. 551' field at 1000 yards. Weigh 25 ounces. Shpg. wt., 6 lbs. Japan..... 29.95

**\$2495**

### General-Purpose 7x50 Binoculars

Our most versatile binoculars—best for general purpose viewing, ideal for night or marine use. Large 50mm objective lenses provide extra-bright images, even under poor light conditions. Detachable roll-down rubber eyecups. 373' field at 1000 yards. 6½" high. Case. Japan. Shpg. wt., 6 lbs.

10 C 4189 S. \$5 Monthly..... 24.95  
10 C 4248 S. 7x35. As above, but 35mm objective lenses. Japan. 6 lbs.... 19.95



### 2.8X Sports Spectacles

**\$795**

Wear Them Like Eye Glasses..Weigh Less than 3 oz.

Ideal for indoor or outdoor sporting events—leaves hands free! Puts you nearly 3 times closer to the action. Distortion-free precision coated optics focus to match each eye individually. Light and comfortable, can be worn for hours without fatigue. Complete with soft rubber light shields, deluxe carrying case. Japan. 10 C 4264 S. Wt., 10 oz., 7.95

**\$995**

### 30-Power Telescope

Power adjustable to 15X, 20X, 25X, 30X. Black barrel with chrome draw tubes. Coated lens. Opens to 16", closes to 7". 30mm lens. 210mm focal length. 52-150' field at 1000 yds. Case. 10 C 4191 S. Japan. 3 lbs. . 9.95

### 15X-45X Zoom Telescope

Ideal for target spotting. Terrestrial viewing scope has 40mm objective, fingertip focusing control. Achromatic optics. 16" long. With 9" table tripod. Japan. Shpg. wt., 4 lbs. 10 C 4250 S..... 14.95

**\$1495**

Use Allied's Credit Fund Plan—No Money Down—Up to Two Years to Pay

ALLIED

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# Great Values in ALLIED® CB 2-Way Radios

CITIZENS BAND RADIO OFFERS SOMETHING FOR ALMOST EVERYONE

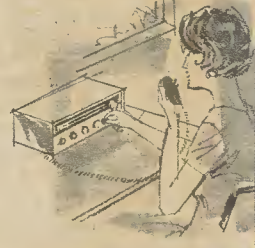
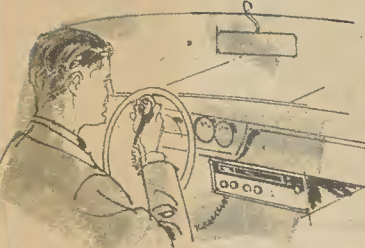
Any U.S. Citizen, 18 Yrs. of Age or Older, Can Use CB 2-Way Radio . . .  
License Application Enclosed with Each Unit—No Test Required

You can have two-way radio communications for business or personal use from your home to your car or boat, from your office to vehicles on the road, between vehicles, or between your office and warehouse . . . CB is useful anywhere . . . it's the fast, easy, and convenient way to keep in touch.

**You Get Special Combination Prices**  
Write our Mail Order Citizens Band Sales Dept. for a money-saving quote on any CB outfit (two or more items).

**Choose From Selected Top-Quality Gear**  
Choose from the best equipment . . . priced for top value.

**Low Monthly Payments—No Money Down**  
Outfit your station on Allied's Credit Fund Plan. Up to Two years to Pay. See Pages 4, 5.



**\$109<sup>95</sup>**

## A-2530 10-Channel Solid-State 2-Way Radio

- Dual-Conversion Receiver Manually Tunes 23 Channels
- Built-in 117 VAC and 12 VDC Regulated Power Supplies

This compact Allied solid-state 2-way radio gives you many deluxe extras not expected at this modest price. You get crystal-controlled transmit/receive on up to 10 channels, a deluxe dual-conversion receiver that can manually tune all 23 CB channels, plus separately fused and electronically regulated 117 VAC and 12 VDC power supplies. Ideal for mobile use—small size and low battery drain. Has excellent 1.0  $\mu$ V sensitivity for 10 dB S/N ratio. Transmitter has full 5-watt DC input. Switchable 4-way meter reads car battery voltage, received signal strength, transmitter modulation level, RF carrier. Ten-position crystal selector, plus crystal/manual tune switch for receiver; manual tuning control; PA/squelch switch; on-off/volume control. For 50-ohm antenna. Screw terminals for PA/speaker connection; external speaker jack (plug supplied). Case, 2 $\frac{1}{2}$ x10x7". With push-to-talk dynamic mike, built-in speaker, mobile mounting bracket. AC and DC power cords, carrying handle/stand, crystals for Channel 11.

17 C 6825 U. From Japan. Shpg. wt., 8 lbs. \$6 Monthly . . . . . 109.95  
Extra Crystals. Specify Channel 1-23. Shpg. wt., 3 oz.  
17 C 9394 CS. Transmit . . . . Each 2.50 3 to 9 . . . . Each 1.94 10-Up . . . . Each 1.75  
17 C 9395 CS. Receive . . . . Each 2.50 3 to 9 . . . . Each 1.94 10-Up . . . . Each 1.75

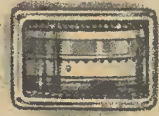
### SPECIFICATIONS

**RECEIVER CIRCUIT:** Sensitivity: 1.0  $\mu$ V for 10 dB S/N ratio. Selectivity: 40 dB or more at  $\pm 10$  kHz. Bandwidth: 5 kHz at 6 dB down. Frequency Stability:  $\pm 0.005\%$  crystal-controlled (10 channels);  $\pm 0.015\%$  continuous tuning (23 channels). AGC: 10 dB output variation at input of 30  $\mu$ V to 10 mV. Squelch: adjustable to open, 1-100  $\mu$ V. Noise Limiter: Gated series type. Max. Undistorted Audio Output: 2 watts or more. Image and Spurious Rejection Ratio: more than 40 dB. **TRANSMITTER CIRCUIT:** Final Input Power: 5 watts max. RF Output Power: 2.8 watts, minimum. Frequency Stability:  $\pm 0.005\%$  crystal-controlled. Modulation: 95 ( $\pm 5$ )%. Spurious Ratio: better than 50 dB. Semiconductors: 16 transistors, 7 diodes, thermistor. Antenna Impedance: 50 ohms.

### DELUXE EXTRAS



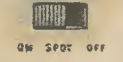
4-Way Meter Function-Selector Switch



Accurate Meter Reads Four Different Modes



Crystal/Manual-Tune Switch



On-Spot-Off Spotting Switch



Easy-to-Read Lighted Dial Shows Channel



# Save! ALLIED 10-Channel 2-Way Radio Outfits

Save \$6.15  
**\$116<sup>75</sup>**  
\$6 monthly



**A-2530 and 3-in-1 Antenna that Replaces Old AM Car Antenna**

Save \$6.15  
**\$120<sup>75</sup>**  
\$7 monthly

**A-2530 WITH CB/AM/FM MOBILE ANTENNA**

*Separately, \$122.90.* Offers everything needed for outstanding two-way mobile communications. Includes: Allied A-2530 10-Channel CB 2-Way Radio; 50" Telescoping CB/AM/FM Antenna with Coupler (reg. \$12.95, page 192); All Cables and Plugs. Special antenna offers excellent reception of CB, AM or FM radio. Installs without drilling or complicated wiring, simply replaces your old radio antenna. Solid-state coupler uses series-resonant circuit to isolate AM and FM from CB, requires no switching.  
17 C 0139 12U. \$6 Monthly. Shpg. wt., 10 lbs..... 116.75

**A-2530 WITH 102" MOBILE ANTENNA**

*Separately, \$126.90.* Deluxe mobile station provides reliable 2-way communications on up to 10 CB channels. Includes: Allied A-2530 10-Channel CB 2-Way Radio; Stainless Steel 102" Antenna with 20-ft. RG-58/U Foam Coax Cable and PL-259 Plug attached (reg. \$16.95, page 192). Antenna is complete with everything needed for immediate installation—high-tension spring, stainless steel bumper mount, cadmium plated hardware, cycloac insulator, cork mtg. pad, steel back up plate, chrome-plated ball.  
17 C 0140 12U. \$7 Monthly. Shpg. wt., 16 lbs..... 120.75

## A-2530 Mobile CB 2-Way Radio and Antenna Outfits

Save \$7.20  
**\$133<sup>20</sup>**  
\$7 monthly



**A-2530, Coax, KN-2572 Colinear Antenna**

Save \$7.20  
**\$148<sup>20</sup>**  
\$8 monthly

**A-2530 WITH COLINEAR BASE ANTENNA**

*Separately, \$140.40.* A great base station combination offering dependable fixed-location communications on up to 10 channels. Includes: Allied A-2530 10-Channel CB 2-Way Radio; Allied/Knight KN-2572 Colinear Antenna (reg. \$24.95, page 194); 50-ft. RG-58/U Foam-Dielectric Coax Cable (reg. \$5.50, page 192). Antenna mounts on 1/4 to 1 5/8" mast, has 19' 10" aluminum radiator (3/8 wave), with three 9' radials. Omnidirectional radiation pattern for uniform signal strength. Solid-state matching coupler for maximum signal transfer, VSWR of 1.04:1 or less. Offers 4 dB increase in gain. Shpg. wt., 18 lbs.  
17 C 0141 13U. \$7 Monthly..... 133.20

**A-2530 WITH 5-ELEMENT BEAM ANTENNA**

*Separately, \$155.40.* Out finest base station package providing maximum-range communications on up to 10 channels. Includes: Allied A-2530 10-Channel CB 2-Way Radio; Allied/Knight KN-2574 Beam Antenna (reg. \$39.95, page 194); 50-ft. RG-58/U Foam Coax Cable (reg. \$5.50, page 192); All Plugs. All-aluminum beam antenna provides unidirectional radiation for greatest range in desired direction and minimum interference. Each element is 18' 8 3/4", on 24-ft. boom. Features high forward gain (25 dB or better), gamma matching for low VSWR. For 1 1/2" dia. masts. Less mast. Shpg. wt., 34 lbs.  
17 C 0142 13ZW. \$8 Monthly..... 148.20

## A-2530 Base Station 2-Way Radio and Antenna Outfits

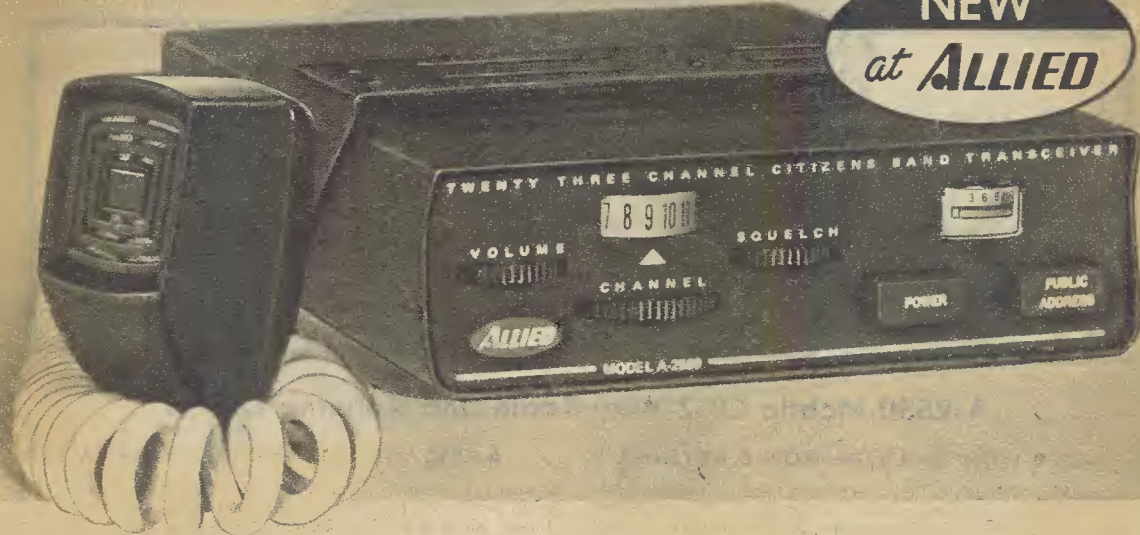
Get Your CB Station Now With Allied's Credit Fund Plan

ALLIED 181



# ALLIED A-2569 23-Channel CB 2-Way Radio

NEW  
at ALLIED



**\$149<sup>95</sup>**

\$8 monthly

## A-2569 Solid-State 23-Channel CB 5-Watt 2-Way Radio

- 0.2  $\mu$ V Sensitivity for 10 dB S/N Ratio
- Zener-Diode Regulated Power Supply
- Illuminated S-Meter Shows Signal Strength
- Low-Distortion Push-Pull Audio Output
- Speech Compressor for Greater Range
- Solid-State Transmit/Receive Switching
- Pushbutton Control of Important Functions
- Uses Thirty-One Active Semiconductor Devices

### Frequency Synthesized . . All Crystals Supplied

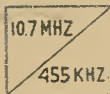
**NEW! Includes the Latest Advances in Solid-State Circuits, and Reflects the Best Features of 2-Way Radio Design**



Integrated Circuit for Small Size and Exceptional Performance



Four Field-Effect Transistors for Low Noise and Tap Sensitivity



Dual Conversion for Maximum Selectivity and Image Rejection



Built-in 3 1/2-Watt PA System—Requires Only External Speaker



Self-Adjusting, Full-Time Noise Limiter for Quiet Operation



No Crystals to Buy—Uses a Highly Stable Frequency Synthesizer

New Allied solid-state Citizens Band 2-way radio is outstanding in every way! Full legal-limit 5-watt input and a speech compressor provide maximum talk-power and transmitting range. Sensitive dual-conversion superhet receiver superbly captures the hard-to-receive signals. Advanced design stresses beauty as well as fine performance and durability. Its compactness assures easy installation in car or boat. Boasts 31 active semiconductor devices: 15 silicon transistors, 4 Field-Effect Transistors, 1 integrated circuit, 10 silicon diodes, plus 1 Zener diode for power supply regulation.

The ultrasensitive receiver uses rugged and dependable solid-state design for high reliability, low noise, freedom from large-signal overload, and an excellent 0.2  $\mu$ V sensitivity, plus adjustable squelch, AGC, and ANL. The transmitter features 100% modulation capability, solid-state transmit/receive switching, and a very stable frequency-synthesizer providing crystal-controlled transmit and receive on all 23 Citizens Band channels. The Power Switch is independent of Volume and Squelch Controls—no need to reset Volume and Squelch every time you turn unit on or off. Pushbutton control of all important functions permits rapid front-panel switching.

Takes 50-ohm antenna. Has jacks for external and PA speakers. Size, only 1 5/8 x 6 1/4 x 7 1/4". With push-to-talk ceramic mike and mounting bracket for simplified installation in car or boat. Shpg. wt., 4 lbs.  
17 C 6469 U. \$8 Monthly..... 149.95  
17 C 6468 X. AC Power Supply. Shpg. wt., 4 lbs. \$5 Monthly..... 19.95

### A-2569 SPECIFICATIONS

**RECEIVER CIRCUIT:** Sensitivity: 0.2  $\mu$ V for 10 dB S/N ratio. Selectivity: 7 kHz at 6 dB down; dual conversion, 10.7 MHz and 455 kHz; tuned LC filter. Adjacent Channel Rejection: 80 dB down 20 kHz away. Dynamic Range: No overload at 1 volt rms input signal. AGC Action: Knee at 1  $\mu$ V. Squelch Sensitivity: 0.5  $\mu$ V to 50  $\mu$ V, adjustable. Audio Output: 3.5 watts.

**TRANSMITTER CIRCUIT:** Final Input Power: 5 watts. RF Output Power: 3 watts nominal. Modulation Capability: 100% with speech compressor.

**GENERAL:** Power Consumption: Receive, 13.8 VDC nominal, 450 mA stand-by; Transmit, 13.8 VDC nominal, 1.3 amps at 100% modulation. Antenna Impedance: 50 ohms. Semiconductor Complement: 15 silicon transistors, 4 Field-Effect Transistors, 1 integrated circuit, 10 silicon diodes, 1 zener diode.



# Save! ALLIED 23-Channel 2-Way Radio Outfits



Save \$8.15  
**\$157<sup>75</sup>**  
 \$8 monthly

A-2569 and Deluxe Base-Loaded Mobile Antenna



Save \$8.15 **\$158<sup>75</sup>** \$8 monthly

A2569 2-Way Radio plus 102" Car Antenna and 20' of RG58/U Coax


## A-2569 Mobile CB 2-Way Radio and Antenna Outfits

### A-2569 WITH BASE-LOADED ANTENNA

Separately, \$165.90. Deluxe mobile station provides maximum-range 2-way communications. Includes: Allied A-2569 23-Channel CB 2-Way Radio; Allied/Knight Deluxe Base-Loaded Antenna with Trunk-Lid Mounting and Heavy-Duty Stainless Steel Spring (reg. \$15.95, page 192); All Cables and Plugs. Antenna installs in 3/4" hole or with trunk-lid mounting. Has omnidirectional radiation pattern for uniform signal strength. Prevents a handsome modern appearance; performs as well as it looks; adds efficiency; makes the most of transmitter power. Shpg. wt., 6 lbs.  
 17 C 0143 L2U. \$8 Monthly. . . . . 157.75

### A-2569 WITH 102" MOBILE ANTENNA

Separately, \$166.90. Deluxe mobile station provides dependable 2-way communications on all 23 CB channels. Includes: Allied A-2569 23-Channel CB 2-Way Radio; 102" Stainless-Steel Antenna with High-Impact Spring, Base and Ball, Bumper Mount, Gutter Clip, and 20 ft. of RG58/U Foam Coax Cable with PL-259 Plug attached (reg. \$16.95, page 192). Antenna is complete with everything needed for immediate installation. Has omnidirectional radiation pattern for uniform signal strength. Rustproof whip is of finest taper-ground stainless steel. Shpg. wt., 12 lbs.  
 17 C 0144 L2U. \$8 Monthly. . . . . 158.75



Save \$8.15  
**\$154<sup>75</sup>**  
 \$8 monthly

A-2569 and 3-in-1 Antenna that Replaces AM Car Antenna



Save \$9.47 **\$179<sup>88</sup>** \$9 monthly

A-2569, Base Antenna, 50' of RG58/U Coax

## A-2569 Mobile and Base-Station CB 2-Way Radio and Antenna Outfits

### A-2569 WITH CB/AM/FM MOBILE ANTENNA

Separately, \$162.90. Offers everything needed for outstanding 23-channel mobile 2-way communications. Includes: Allied A-2569 23-Channel CB 2-Way Radio; 50" Telescoping CB/AM/FM Antenna with Coupler (reg. \$12.95, page 192); All Cables and Plugs. Special antenna offers excellent reception of CB, AM, and FM signals. Installs easily without drilling or complicated wiring; simply replaces your old radio antenna. Resonator is tunable for best CB reception. Solid-state coupler uses series-resonant circuit to isolate AM and FM from CB. Requires no switching or special operating procedure. Shpg. wt., 6 lbs.  
 17 C 0145 L2U. \$8 Monthly. . . . . 154.75

### A-2569 WITH BASE ANTENNA

Separately, \$189.95. A fine base-station package providing maximum range 2-way CB communications on all 23 channels. Includes: Allied A-2569 23-Channel CB 2-Way Radio; Allied/Knight Base Antenna (reg. \$13.95, page 194); 50-foot of RG58/U Foam Coax Cable (reg. \$5.50, page 192); AC Power Supply (reg. \$19.95, page 182); All Plugs. KN-2570 antenna outperforms many CB antennas costing much more. Has exclusive cloverleaf top-hat for lowest noise level. Omnidirectional radiation pattern for uniform signal strength. Antenna is at DC ground for lightning protection. Shpg. wt., 16 lbs.  
 17 C 0146 L4U. \$9 Monthly. . . . . 179.88

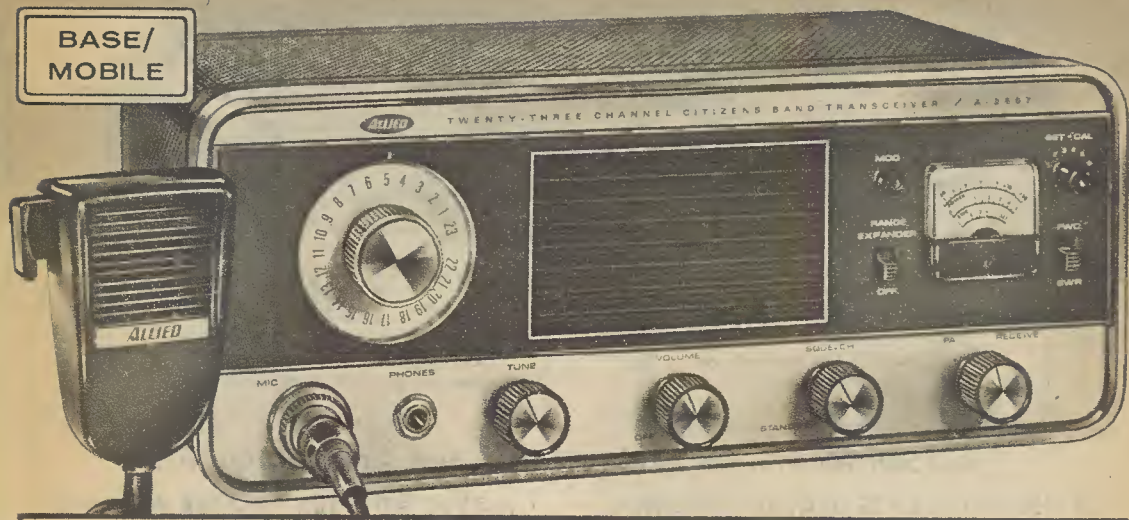
Depend on Allied for the Finest 2-Way Radios at Low Prices






ALLIED 183



# ALLIED A-2567 23-Channel CB 2-Way Radio

BASE/  
MOBILE



 <p>Illuminated SWR/ Power/"S" Meter</p>	<p>Set-Colibrote Meter Control</p>   <p>Meter Function Selector Switch</p>	<p>Range Expander</p>  <p>Boosts Modulation for More "Talk Power"</p>	<p>PA RECEIVE</p>  <p>Front Panel Switch Selects CB or PA Mode</p>
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## A-2567 23-Channel CB 2-Way Radio Complete With All Crystals

- ✓ Solid-State AC and DC Power Supplies
- ✓ Frequency Synthesized—No Crystals to Buy
- ✓ Range-Expander for Extra "Talk-Power"
- ✓ Combined Modulation and Receive Monitor
- ✓ Dual-Conversion Superhet Receiver
- ✓ Boasts 10 Tubes, 13 Diodes, 2 Transistors
- ✓ Self-Regulating Automatic Noise Limiter
- ✓ Includes Noise-Canceling Microphone

**\$179<sup>95</sup>**

\$9 monthly

Includes Built-In SWR Bridge,  
and Reflected Power Output—  
Read From Illuminated Meter

Allied's own deluxe 23-channel 2-way radio featuring built-in power supply for both 12 VDC mobile and 115 VAC base. A masterpiece in design and operation, with performance that surpasses many units priced much higher. Frequency-synthesis circuit gives you crystal-controlled transmit and receive on all 23 channels . . . no extra crystals to buy. Just turn the selector to any desired channel, and the illuminated numerals show the channel in use.

Full-power 5-watt transmitter offers 100% modulation. Switchable Range-Expander boosts "talk power" to increase transmitter range. Pi-network output matches any CB antenna. Special SWR bridge circuit lets you measure SWR for optimum antenna tuning. Illuminated 3-scale meter reads SWR, forward/reverse reflected power output, and serves as "S" meter. Dual-conversion superhet receiver has excellent selectivity and gain, with delta tuning circuit to pull in signals from stations operating up to 3 kHz off-frequency.

Serves as 2.5-watt public address amplifier with an external speaker. Modulation indicator doubles as monitor to prevent missed calls during PA use. Adjustable squelch; standby switch; built-in speaker; headphone jack; noise limiter. 7 1/2 x 13 3/8 x 5 1/2". With all crystals, AC and DC power cords, noise-canceling push-to-talk mike with coiled cord, universal mobile mounting clips.  
17 C 6435 U. Shpg. wt., 18 3/4 lbs. \$9 Monthly . . . . . 179.95

**A-2567 SPECIFICATIONS**

**RECEIVER CIRCUIT.** *Sensitivity:* 0.5 micro-volt or better for 10 dB signal-to-noise ratio. *Selectivity:* ±3 kHz for 6 dB. *Audio Output:* 2.5 watts. *Speaker:* 4-inch. *IF:* Two stages, dual conversion. Provision for use as a public address amplifier, using an external speaker.

**TRANSMITTER CIRCUIT.** *Power Input:* 5 watts. *Modulation:* 100% capability; Range-expander circuit. *Output:* Pi-network; matches any antenna type.

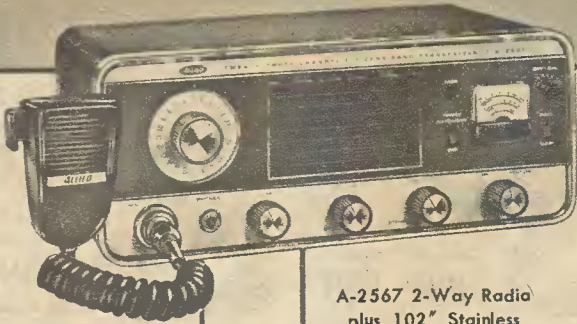
**GENERAL Controls:** Channel Selector Switch with illuminated channel indicator; Delta Tune; On/Off Volume; Squelch; PA/Receive Switch; Range Expander Switch; Meter Function Switch; Set-Calibrate. *Tube Complement:* 10 Tubes, 13 Diodes, 2 Transistors. *Power Requirement:* 115 volts AC, 50-60 Hz or 12 volts DC for mobile use.



# Save on A-2567 23-Channel 2-Way Radio Outfits

Save \$10.15  
**\$182<sup>75</sup>**  
\$10 monthly

A-2567 and 3-in-1 Antenna that Replaces Old AM Car Antenna



Save \$10.15  
**\$186<sup>75</sup>**  
\$10 monthly

A-2567 2-Way Radio plus 102" Stainless Steel Antenna; cable and Bumper Mount

## ALLIED A-2567 Mobile 2-Way Radio and Antenna Outfits

### A-2567 WITH CB/AM/FM MOBILE ANTENNA


Separately, \$192.90. Offers everything needed for outstanding 23-channel mobile communications. Includes: Allied A-2567 23-Channel CB 2-Way Radio; 50" Telescoping CB/AM/FM Antenna with Coupler (reg. \$12.95, page 192); All Cables and Plugs. Special antenna offers excellent reception of CB, AM or FM radio. Installs without drilling or complicated wiring, simply replaces your old radio antenna. Solid-state coupler uses series-resonant circuit to isolate AM and FM from CB, requires no switching. Shpg. wt., 21 lbs.  
17 C 0136 L2U. \$10 Monthly..... 182.75

### A-2567 WITH 102" MOBILE ANTENNA

Separately, \$196.90. Deluxe mobile station provides reliable two-way communications on all 23 CB channels. Includes: Allied A-2567 23-Channel CB 2-Way Radio; Stainless Steel 102" Antenna with 20-ft. RG-58/U Foam Coax Cable and PL-259 Plug attached (reg. \$16.95, page 192). Antenna is complete with everything needed for immediate installation—high-tension spring, stainless steel bumper mount, cadmium plated hardware, Cyclocal® insulator, cork mtg. pad, steel back up plate, chrome-plated ball. Shpg. wt., 27 lbs.  
17 C 0135 L2U. \$10 Monthly..... 186.75

Save \$10.45  
**\$199<sup>95</sup>**  
\$10 monthly

A-2567 plus KN2572 Colinear antenna and cable



Save \$10.45  
**\$214<sup>95</sup>**  
\$11 monthly

A-2567 plus KN2574 Beam antenna and cable

## ALLIED A-2567 Base Station 2-Way Radio and Antenna Outfits

### A-2567 WITH COLINEAR BASE ANTENNA

Separately, \$210.40. A great base station combination offering dependable fixed-location communications on all 23 CB channels. Includes: Allied A-2567 23-Channel CB 2-Way Radio; Allied/Knight KN-2572 Colinear Antenna (reg. \$24.95, page 194); 50-ft. RG-58/U Foam-Dielectric Coax Cable (reg. \$5.50, page 192). Antenna mounts on 1 3/4 to 1 5/8" mast, has 19' 10" aluminum radiator (3/8 wave), with three 9' radials. Omnidirectional radiation pattern for uniform signal strength. Solid-state matching coupler for maximum signal transfer, VSWR of 1.04:1 or less. Offers 4 dB gain. Shpg. wt., 29 lbs.  
17 C 0134 L3U. \$10 Monthly..... 199.95

### A-2567 WITH 5-ELEMENT BEAM ANTENNA

Separately, \$225.40. Our finest base station package providing maximum-range CB communications on all 23 channels. Includes: Allied A-2567 23-Channel CB 2-Way Radio; Allied/Knight KN-2574 5-Element Beam (reg. \$39.95, page 194); 50-ft. RG-58/U Foam Coax Cable (reg. \$5.50, page 192); All Plugs. All-aluminum beam antenna provides unidirectional radiation for greatest range in desired direction and minimum interference. Each element is 18" 3/4", on 24-ft. boom. Features high forward gain (12.3 dB or better), gamma matching for low VSWR. For 1 1/2" dia. masts. Less mast. (See p. 208 for Rotators.) 45 lbs.  
17 C 0133 L3ZW. \$11 Monthly..... 214.95

Get Your CB Station Now With Allied's Credit Fund Plan

ALLIED 185



# Values in Citizens Band 2-Way Mobile Radios . .



**NEW**

3 Channels \$119.95  
23 Channels \$139.95



Crystals Supplied \$149.00 \$8 monthly

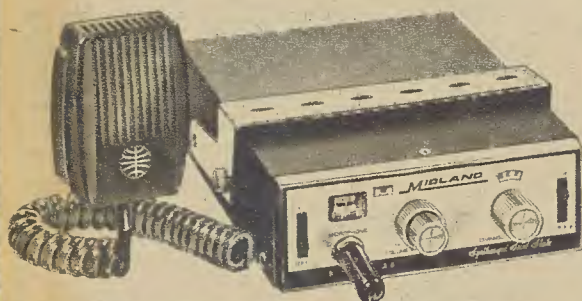
- Crystal Controlled on 23 Channels
- Panel Light Shows S6 or Better Signal

## Solid-State 5-Watt 3-Channel 2-Way Radio

Midland 13-865. 23-channel synthesized 2-way radio with 3 operational channels. Dual-conversion superhet receiver has 0.5  $\mu$ V sensitivity (10 dB S/N); FET RF stage for greater gain; variable squelch; ANL RF output/S/battery meter. PA provision. 18 transistors, 5 diodes, 1 thermistor.  $2\frac{1}{2} \times 6\frac{1}{2} \times 7\frac{1}{8}$ ". Mike, Channel 9, 13, 17 crystals, mounting bracket, power cord. 12 VDC. Japan.  
17 C 6465 U. Shpg. wt. 5 lbs. \$6 Monthly. . . . . 119.95  
17 C 0029 L2U. Above, with crystals for 23 channels. . . 139.95  
17 C 7466 S. Crystals to convert 13-865 to 23 Channels. . 22.95

## Solid-State 5-Watt 23-Channel 2-Way Radio

Courier "Traveller." For dependable communications on-the-go. You'll like its compact style, its versatility, its fine design and quality. Full maximum 5-watt power input. Crystal-controlled on all 23 channels—all crystals supplied. Rugged components for lengthy and reliable duty life. Panel light to indicate S6 or better signal; transmit and modulation indicator; external speaker jack. Only  $1\frac{1}{2} \times 5\frac{3}{4} \times 6\frac{1}{4}$ ". With mounting bracket, mike, crystals, cables. For 12 VDC. Shpg. wt., 6 lbs.  
17 C 6528 U. \$8 Monthly. . . . . 149.00



## Solid-State 5-Watt 23-Channel 2-Way Radio

**\$149.95** \$8 monthly • With Newest Integrated Circuits  
• Crystal Controlled on 23 Channels

Midland 13-870. Great value! Crystal-controlled transmit/receive on all 23 channels; full maximum 5-watt input; dual-conversion superhet receiver with mechanical filter; illuminated selector switch; dual-purpose RF/S meter; advanced-design integrated circuit; variable squelch; built-in  $3\frac{1}{2}$ " PM speaker; PA switch; external speaker jack. 20 transistors.  $2\frac{1}{2} \times 6 \times 8\frac{1}{2}$ ". With all crystals, mobile mounting bracket, push-to-talk dynamic mike. For 12 VDC, negative ground. Shpg. wt.,  $4\frac{1}{2}$  lbs. Japan.  
17 C 9721 U. \$8 Monthly. . . . . 149.95



## Solid-State 5-Watt 23-Channel 2-Way Radio

**\$169.95** \$9 monthly • Frequency Synthesized on 23 Channels  
• Dual-Conversion for Top-Notch Sensitivity

Amphenol 777. Punches out messages with clarity. Has 23 crystal-controlled transmit and receive channels; 14-crystal synthesizer. Dual-conversion superhet receiver with excellent 0.5  $\mu$ V sensitivity. Transmitter has full 5-watt input; full 100% modulation capability. For 52-ohm antenna. 19 transistors, 10 diodes. Easy to install—removes simply by unscrewing two large knobs. Only  $2 \times 6\frac{1}{2} \times 10$ ". Comes complete with push-to-talk mike, cables, all crystals. For 12 VDC. Shpg. wt., 6 lbs.  
17 C 6433 U. \$9 Monthly. . . . . 169.95

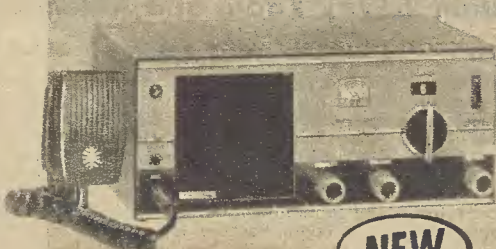
## Solid-State 5-Watt 23-Channel Two-Way Radio

23-Channel Frequency-Synthesized Circuit

**\$169.95**

\$9 monthly

For Base or Mobile Operation



**NEW**

- Integrated Circuit in IF Stages for Efficiency
- Universol 117 VAC/12 VDC Power Supply
- Silicon Transistors • Duol Conversion

Midland 13-875. 23-channel crystal-controlled transmit and receive. Silicon transistor circuit. 5-watt transmitter. Dual conversion receiver, better than 1  $\mu$ V sensitivity (10 dB S/N), mechanical filters, RF stage, ANL, variable squelch,  $3 \times 5$ " speaker. Frequency stability better than 0.005%. Combined Power-Output/S meter. Illuminated channel selector, meter. 50-ohm pi-net output. Push-to-talk dynamic mike.  $5\frac{1}{4} \times 12 \times 9$ ". 117 VAC/12 VDC.  
17 C 6467 U. 7 lbs. \$9 Monthly. . . . . 169.95



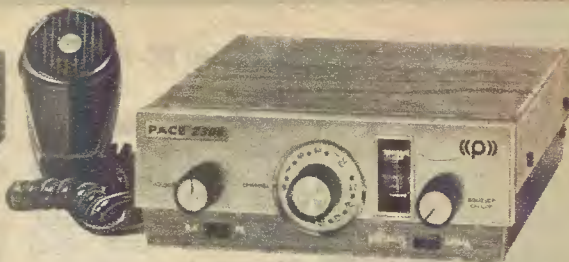
# A Model for Every Purpose and Every Purse



**\$179<sup>95</sup>** \$9  
monthly

## Solid-State 5-Watt 23-Channel 2-Way Radio

Hallicrafters CB-24. Sturdy solid-state model has dual-conversion receiver with squelch control, AGC, razor-sharp selectivity. Sensitivity is 0.5  $\mu$ V for 10 dB S/N. Transmitter has high-level Class B modulation and maximum power input of 5 watts. Illuminated channel selector. Combination meter reads signal strength and relative RF output. Provision for public address and hailing. 21 transistors, 8 diodes, 4 thermistors. 2 $\frac{1}{2}$  x 6 x 8". With mike, all crystals. For 12 VDC. Japan. Shpg. wt., 6 lbs.  
17 C 6940 U. \$9 Monthly..... 179.95



## Solid-State 5-Watt 23-Channel 2-Way Radio

**\$199<sup>95</sup>**  
\$10 monthly

- Frequency Synthesis—With All Crystals
- Silicon Transistor Solid-State Circuit

Pace 2300. Deluxe model has full 5-watt power input, 100% modulation capability, sensitive dual-conversion superhet receiver. Features include calibrated S-meter; public address and loud-hailer facilities; silicon transistor circuit; reliable diode protection system; illuminated channel selector; volume and squelch controls. Walnut grained metal case, 2 $\frac{1}{2}$  x 6 $\frac{3}{4}$  x 8 $\frac{1}{2}$ ". Comes complete with all crystals, push-to-talk ceramic mike. For 12 VDC, negative ground. Shpg. wt., 4 $\frac{1}{2}$  lbs.  
17 C 9716 U. \$10 Monthly..... 199.95

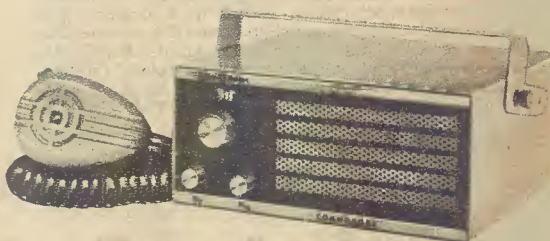


## Solid-State 5-Watt 23-Channel 2-Way Radio

**\$199<sup>95</sup>**  
\$10 monthly

- Speech Compressor for Greater Range
- Combination S/RF-Power-Output Meter

Johnson Messenger 320. Dual-conversion receiver, 0.5  $\mu$ V sensitivity for 10 dB S/N, squelch and volume controls. Transmitter has full 5-watt input, built-in speech compressor, S/RF-Output meter. 23 transistors and 15 diodes. For all 23 channels—no extra crystals to buy. Built-in 3-watt PA system (requires external speaker). 2 $\frac{1}{2}$  x 8 x 9". With mounting bracket, ceramic mike. FCC type accepted and DOT approved. For 12 VDC neg. gnd.  
17 C 6271 U. Shpg. wt., 7 lbs. \$10 Monthly..... 199.95  
17 C 6471 X. 117-VAC Power Supply. Shpg. wt., 5 lbs. \$2.95



## Solid-State 5-Watt 23-Channel 2-Way Radio

**\$199<sup>95</sup>**  
\$10 monthly

- Exclusive Ignition Pulse Eliminator
- Four-Crystal Lattice Filter • AGC

Squires-Sanders "Cammadare." Features frequency synthesized crystal control; super-sensitive dual-conversion superhet receiver; full maximum 5-watt power input; 100% modulation capability. Also fully adjustable squelch control; zener diode regulation; 3x5" speaker; AGC; speech booster; more. Silicon transistor circuit. Simplified front panel controls. Pi-network, 30-75 ohm output. 3 $\frac{1}{2}$  x 8 x 7". With all crystals. Push-to-talk ceramic mike, mounting bracket. For 12 VDC, negative ground.  
17 C 6572 U. Shpg. wt., 4 lbs. \$10 Monthly..... 199.95

## 5-Watt 23-Channel Base/Mobile 2-Way Radio

- 117 VAC/12 VDC Power Supplies
- 0.25  $\mu$ V Receiving Sensitivity
- Expander for Increased Range

Courier 23. Sensitivity, 0.25  $\mu$ V (6 dB S/N). Single-knob bandspread tuning. Variable squelch; ANL; AVC. Expander increases talk-power for greater range. Standby, PA-CB switches; headphone/external-speaker jack; S/RF meter; modulation indicator. Pi-network matches 30-100 ohm antennas. 117 VAC/12 VDC supplies. 5x12 $\frac{1}{2}$  x 7 $\frac{3}{4}$ ". Power cable, mobile mounting bracket, mike. Shpg. wt., 16 lbs.  
17 C 6526 U. \$10 Monthly..... 189.00



Built-in Mobile/  
Base Power Supplies

**\$189<sup>00</sup>**  
\$10 monthly

Unique  
Modulation  
Sampler  
Circuit

Make Allied Your Headquarters for Citizens Band Equipment

ALLIED 187



# Deluxe 23-Channel CB Mobile 2-Way Radios

## Solid-State Poly-Comm Beaver PC-23C

**\$199<sup>95</sup>**

\$10 monthly



- 0.15  $\mu$ V Receiver Sensitivity for 6 dB S/N
- Ceramic Filters In IF Stage for Sharp Selectivity
- ANL and Adjustable Squelch for Quiet Reception

Years of dependable service and fine performance go with this quality-constructed Citizens Band 2-way radio. Crystal-controlled on all twenty-three channels. Advanced solid-state circuit has 21 silicon transistors and six diodes. Teflon wiring and fiberglass PC boards for outstanding reliability. Full 5-watt power input assures maximum range. Sensitive dual-conversion superhet receiver pulls in the weak signals. Big 3-watt audio output. Signal-strength meter; modulation indicator; ceramic IF filters. Only 1 $\frac{1}{2}$ x6x7 $\frac{1}{4}$ ". With push-to-talk mike. Woodgrain front panel. For 12 VDC, negative ground. Shpg. wt., 6 lbs.  
17 C 6459 U. \$10 Monthly..... 199.95

## Solid-State Kaar Skyhawk II TR-337



**NEW**  
at **ALLIED**

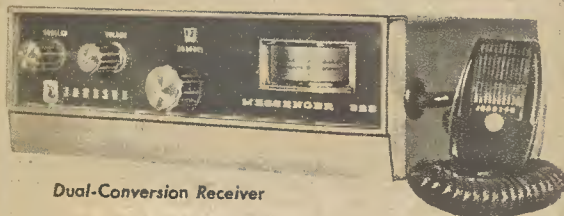
**\$229<sup>95</sup>**

\$12 monthly

- Eight Hi-Q LC Circuits for Top Selectivity
- 0.4  $\mu$ V Receiving Sensitivity for 10 dB S/N
- Positive-Action AGC, ANL, Adjustable Squelch

Designed for maximum intelligibility, efficiency. Provides dependable communications for your messages. Crystal-controlled on all 23-channels. Signal level/dynamic modulation illuminated meter. PA feature; external speaker jack, enclosed plug-in transmitter and receiver relay, filtered power leads. Solid-state circuit has Glass Epoxy PC boards, 17 silicon and 8 germanium transistors, 10 diodes, zener-diode voltage stabilizer. Full 5-watt power input. Sensitive superhet receiver. 2 $\frac{1}{2}$ x6 $\frac{1}{2}$ x9 $\frac{1}{4}$ ". Wood grained front panel. Ceramic mike, mobile bracket, 12 VDC neg. gnd.  
17 C 6462 U. Shpg. wt., 11 lbs. \$12 Monthly... 229.95  
17 C 6464 X. P336-117 AC Supply, 5 lbs..... 34.95

## Solid-State Johnson Messenger 323



Dual-Conversion Receiver

**\$229<sup>95</sup>**

\$12 monthly

- 23-Channel Frequency Synthesizer
- Crystal Filter for Sharp Selectivity
- Speech Compressor for Greater Range

Frequency synthesizer gives you fingertip selection of 23 crystal-controlled channels. Dual-conversion receiver boasts a crystal filter that virtually eliminates adjacent-channel interference, plus automatic noise limiter and adjustable squelch. Full 5-watt transmitter has speech compressor for greater talk power and range. Temperature compensation. Illuminated dual-scale S-Meter/Power-Output meter. Built-in PA system requiring only an external speaker. 23 transistors and 15 diodes. 2 $\frac{1}{2}$ x8x9 $\frac{1}{2}$ ". With ceramic push-to-talk mike and all crystals. 12 VDC, pos. or neg. gnd. FCC Type Accepted and DOT Approved. Shpg. wt., 9 lbs.  
17 C 6890 U. \$12 Monthly..... 229.95  
17 C 6471 X. 117 VAC Supply, 5 lbs. \$6 Monthly.... 32.95

## Solid-State Sonar J-23



**\$239<sup>95</sup>**

\$12 monthly

- 0.7  $\mu$ V Sensitivity for 10 dB S/N
- Triple Amplified AGC • ANL • Squelch
- Built-in Public-Address System

Husky, compact 23-channel unit designed for easy installation in any vehicle. Voltage-regulated, dual-conversion receiver has isolated series-gate limiter for positive noise elimination, triple-amplified AGC, and noise-immune adjustable squelch. Sensitivity is 0.7  $\mu$ V for 10 dB S+N/N at 100% modulation. 21 silicon transistors, 6 diodes. Final output transistor has 7-watt rated collector dissipation, high-level Class B modulation. Also: built-in 2x6" oval speaker; reverse polarity protection; external speaker, public address mode delivers 2.5 watts audio output. With mike, all crystals, mounting bracket, fused power cable. 12 VDC neg. gnd. 2 $\frac{1}{2}$ x6 $\frac{3}{4}$ x8 $\frac{3}{8}$ ". 4 $\frac{1}{2}$  lbs.  
17 C 6505 U. \$12 Monthly..... 239.95



# 23-Channel CB Base and Universal 2-Way Radios



**NEW**

## Pace 2-Way Radio for Base Use

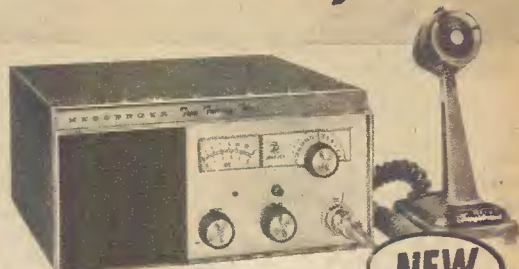
**\$330<sup>00</sup>**

\$16 monthly

- Built-in Standing Wave Rotia Meter
- 0.3  $\mu$ V Sensitivity for 10 dB S+N/N
- Provision for 12 VDC Operation

23-channel 2-way radio boasts all-silicon transistors, sensitive double conversion superhet receiver, full 5-watt input. Built-in VSWR bridge and meter/RF wattmeter, "S" meter. Squelch control. Speaker switch, headphone jack. Continuously variable RF gain control. Modulation limiter/compression amplifier. With variable output control desk mike. Zener regulated 117 VAC supply; provision for 12 VDC operation. Wood-grained cabinet, 6x22x10". Shpg. wt., 18 lbs.

17 C 6442 U. \$16 Monthly..... 330.00



**NEW**

## Johnson Messenger 223 and Turner Mike

**\$214<sup>95</sup>**

\$11 monthly

- 23-Channel Frequency Synthesizer
- Excellent 0.005% Frequency Stability
- Speech Compressor for Greater Range

Designed by same engineering team that developed the famous "Messenger" I and II. Utilizes crystal frequency synthesizer for 23-channel operation. Full 5-watt transmitter. Superhet receiver with .05  $\mu$ V sensitivity (11 dB S/N) and 3-watt audio output. Illuminated S-meter and relative RF output meter, with adjustment control. Illuminated "full view" channel selector. On/off indicator light. 6 transistors, 8 diodes, 10 tubes. 5 $\frac{1}{2}$ x11x9 $\frac{1}{8}$ ". For 110 VAC.

17 C 6473 U. Shpg. wt., 13 lbs. \$11 Monthly... 214.95

## Regency "Imperial" Sideband/AM Model

Advanced design 23-channel crystal-controlled universal 2-way radio receives upper or lower sidebands as well as standard AM; transmits double sideband with suppressed carrier and balanced modulation for sideband reception, or AM. Compatible with any other CB 2-way radio. Double-conversion superhet receiver has 0.5  $\mu$ V sensitivity (6 dB S+N/N) on AM, 0.15  $\mu$ V (10 dB S/N) on SSB. Pi-L (30-75 ohm) network. S-meter also reads plate voltage and current. 5 $\frac{1}{4}$ x11 $\frac{1}{2}$ x9 $\frac{3}{4}$ ". With mike, all crystals. 117 VAC/12 VDC.

17 C 6840 U. Shpg. wt., 23 lbs. \$16 Monthly... 299.00



- Fully Compatible with Other CB Radios
- Universal 115 VAC/12VDC Power Supply

**\$299<sup>00</sup>**



## Sonar FS-23 with Nuvistor RF

**\$299<sup>95</sup>**

- 0.4  $\mu$ V Sensitivity for 10 dB S+N/N
- Universal 120-VAC/12-VDC Power Supply

Has highly stable circuit with better than 0.003% frequency accuracy. Full 5-watt transmitter modulates 100%. Sensitive superhet receiver with AGC, ANL, adjustable squelch, 2 $\frac{1}{2}$ -watt audio output. Frequency-synthesized 23-channel transmit and receive. Illuminated "S" meter. Matches 35-70 ohm antennas. 13 tubes, 7 diodes, 2 transistors, diode. With plug-in mobile microphone and AC/DC power cords. 5 $\frac{1}{4}$ x11 $\frac{3}{4}$ x11 $\frac{3}{4}$ ". 120 VAC/12 VDC. Shpg. wt., 15 lbs.

17 C 6474 U. \$15 Monthly..... 299.95



**NEW**

Professional Features

## Solid-State Squires-Sanders "Admiral"

**\$329<sup>95</sup>**

- Silicon-Transistor Solid-State Circuit
- Built-in Accurate Digital Clock

Professional 2-way radio with exclusive Pulse Noise Eliminator, plus frequency-synthesized 23-channel crystal-controlled transmit and receive. Has 0.5  $\mu$ V sensitivity (10 dB S/N); crystal lattice filter; squelch; ANL; AGC; speech booster; S-meter; 30-75 ohm pi-network. 29 silicon transistors, 6 diodes, 2 zener diodes. Vinyl covered cabinet, teakwood panel. 5 $\frac{1}{2}$ x13 $\frac{3}{4}$ x10 $\frac{3}{4}$ ". With all crystals, push-to-talk ceramic mike with built-in preamp, mike stand. For 105-125 VAC.

17 C 6272 U. Shpg. wt., 11 lbs. \$16 Monthly... 329.95



# Selected CB 2-Way Radio Values



Fine-Quality Speaker/Mike

**NEW**

Simplified Operating Controls

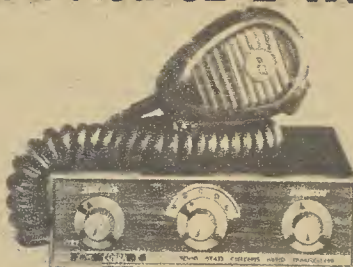
## Amphenal 750 CB Solid-State 5-Watt 6-Channel Mobile 2-Way Radio

**\$79.95**

\$5 monthly

- Crystal Controlled
- Weighs Only 3 lbs.
- Easy to Install

Offers versatility and fine performance. Has legal-limit 5-watt transmitter and superhet receiver with 0.5  $\mu$ V (for 10dB S/N) sensitivity. Up to 6 crystal-controlled transmit and receive channels. 100% modulation capability. Illuminated, magnified channel selector. Transmit light. 13 transistors, 4 diodes. Takes 50-ohm antenna. 2x4 $\frac{3}{4}$ x5 $\frac{1}{2}$ ". Speaker/mike, mtg. bracket. Channel 9 crystals. 12 VDC neg. grd. Wt., 3 lbs. 17 C 6432 X. \$5 Monthly.....79.95



## B&K "Cabra V" CB Solid-State 5-Watt 5-Channel Mobile 2-Way Radio

**\$99.95**

\$5 monthly

- 0.5  $\mu$ V Sensitivity
- Speech Compressor
- Adjustable Squelch

A compact mobile transceiver with a lot of power and punch. Full 5-watt input with 100% modulation on 5 switch-selected crystal-controlled channels. Dyna-Boost speech compression for better intelligibility, maximum range. Receiver features ANL, adjustable squelch, 0.5  $\mu$ V sensitivity for 10 dB S/N ratio. Twin-pi output. With ceramic mike. Channel 11 crystals. mtg. bracket. 2x6 $\frac{3}{4}$ x9 $\frac{3}{4}$ ". For 12 VDC neg. grd. 6 lbs. 17 C 6920 X. \$5 Monthly..... 99.95



Noise Limiter Reduces Ignition Noise

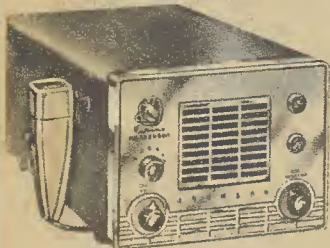
## Johnson Messenger 110 CB Solid-State 5-Watt 5-Channel Mobile 2-Way Radio

**\$99.95**

\$5 monthly

- Speech Compressor
- ANL and Squelch
- FCC-type Accepted

You'll like the compact style of this solid-state up-to-5-channel 2-way radio. Boasts famous Johnson dependability at low cost. Sensitive superhet receiver has built-in automatic noise limiter and adjustable squelch. Transmitter has full legal-limit 5-watt power input. Speech compressor increases talk power and extends transmitting range. 2 $\frac{1}{2}$ x6 $\frac{3}{16}$ x8 $\frac{3}{4}$ ". Push-to-talk mike, Channel 9 crystals. 12 VDC negative ground. Shpg. wt., 8 lbs. 17 C 6490 X. \$5 Monthly..... 99.95



## Messenger I CB 5-Watt 5-Channel Base/Mobile 2-Way Radio

**\$114.95**

\$6 monthly

- 112 VAC and 12 VDC
- ANL and Squelch
- Two Function Lights

Operates at full legal 5-watt input. Full 100% modulation. 10 tubes. Easy switch selection of up to 5 crystal-controlled transmit/receive channels; two function indication lights. Chrome trimmed case, 5 $\frac{5}{8}$ x7x11 $\frac{3}{8}$ ". Push-to-talk mike, AC and DC power cords, crystals for Channel 9. 115 VAC or 12 VDC neg. grd. 17 lbs. 17 C 9414 U. \$6 Monthly..... 114.95 17 C 9416. Mobile Mt. 1 $\frac{1}{4}$  lbs..... 25.00

## JOHNSON "MESSENGER" SERIES



## Messenger 100 CB Solid-State 5-Watt 6-Channel Mobile 2-Way Radio

**\$129.95**

\$7 monthly

- ANL and Squelch
- Built-In PA System
- Superhet Receiver

High-performance solid-state 2-way radio has provision for up to 6 crystal-controlled transmit/receive channels. Sensitive superhet circuit pulls in weak signals. ANL and adjustable squelch. Five-watt input. Circuit breaker. Compact design. 2 $\frac{1}{2}$ x6 $\frac{3}{16}$ x8 $\frac{3}{4}$ ". With push-to-talk mike, crystals for Channel 9, mounting bracket. For 12 VDC, negative ground. 17 B 6950 U. 9 lbs. \$7 Monthly. 129.95



Top Power for Citizens Band

## Messenger III CB Solid-State 5-Watt 12-Channel Mobile 2-Way Radio

**\$159.95**

\$8 monthly

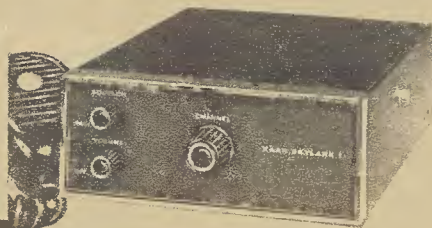
- Adjustable Squelch
- Full 100% Modulation
- Built-in PA System

Deluxe CB unit offers up to 12 crystal-controlled transmit and receive channels. Legal-limit 5-watt input, 100% modulated transmitter. Sensitive dual-conversion superhet receiver, adjustable squelch. Takes 50-ohm antenna. 2 $\frac{3}{16}$ x6 $\frac{3}{16}$ x8 $\frac{3}{4}$ ". Push-to-talk mike, mounting bracket, Channel 9 crystals. 12 VDC, positive or negative ground. Shpg. wt., 15 $\frac{1}{2}$  lbs. 17 C 6500 U. \$8 Monthly..... 159.95

**NEW**  
at **ALLIED**

**\$159.95**

\$8 monthly



## Kaar Skylark TR-336 CB Solid-State 5-Watt 11-Channel Mobile 2-Way Radio

11-channel CB unit with 5-watt input, 100% modulation, and dual-conversion superhet receiver with 0.4  $\mu$ V sensitivity (for 10 dB S/N). Designed to handle vital communications reliably. Has AGC, ANL, adjustable squelch. Solid-state circuit with 22 transistors, 10 diodes, zener diode voltage stabilizer. 2 $\frac{3}{4}$ x6 $\frac{1}{2}$ x9 $\frac{1}{4}$ ". Ceramic mike, Channel 9 crystals. 12 VDC negative ground. 17 C 6463 U. Shpg. wt., 11 lbs. \$8 Monthly. 159.95 17 C 6464 X. AC Power Supply. Wt., 5 lbs..... 34.95



# CB Station Accessories



**\$15.95** Matchbox  
Reduces SWR



**\$14.95** Meter  
Checks SWR



**\$49.50** \$5  
monthly



**Eico CB Tester, Kit or Wired**  
Kit **\$39.95**  
Assembled **\$59.95**

## Johnson Antenna Matchbox

Provides a nearly perfect match between transmitter and antenna system. Just place it in the antenna transmission line and leave it there. Corrects SWR of up to 5:1, reducing it to 1.1:1 or better. For up to 15 watts. Covers 26.5-30 MHz.  $4\frac{1}{2} \times 3\frac{1}{4} \times 2\frac{3}{8}$ "  
17 C 6802. Shpg. wt., 3 lbs. .... 15.95

## Johnson Antenna Meter

Checks impedance match to antenna. Reads SWR to 10:1. Handles 500 W modulated.  $4\frac{1}{2} \times 2\frac{3}{4} \times 2\frac{1}{16}$ "  
17 C 8954. Shpg. wt., 3 lbs. .... 14.95

## Demco VM-12-20 Power Modulator

Increases the talk-power of any transmitter, CB or Ham. Rated to 1 kilowatt. With 110-120 VAC cable. Shpg. wt., 12 lbs. \$5 Monthly.  
17 C 8347 X..... 49.50  
17 C 6406. DC Cable. Shpg. wt., 1 lb. .... 3.00

Handy test set for complete checking of CB and Ham equipment. Does many jobs around the station. Measures RF power (to 50 watts), modulation percentage, more. 50-ohm dummy load.  $4\frac{1}{8} \times 8\frac{1}{8} \times 2$ ". Wt., 5 lbs. \$5 Monthly.  
17 C 8560 X. Kit..... 39.95  
17 C 8555 X. Assembled..... 59.95



**\$11.95**



**\$4.95**



**\$8.95**



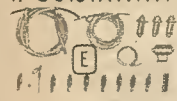
**\$22.95**

**A** Ameco PV-27 Nuvisor Preamp. Improves gain and noise figure when used ahead of converter stage. High gain; 2 dB noise at 27 MHz. Requires 100-150 VDC at 8 mA and 6.3 V at 135 mA.  $1\frac{1}{2} \times 2 \times 3$ ". Wt., 1 lb.  
17 C 6421..... 11.95

**C** Line Matcher. Provides low SWR and excellent power transfer to antenna. Features 100-watt power capacity, broadband tuning, screwdriver adjustments. Has 2—SO-239 connectors.  $3\frac{3}{4} \times 1\frac{1}{2} \times 2$ ". Shpg. wt., 4 oz.  
17 C 8375..... 8.95

**B** Ameco LN-2 TVI Filter. Reduces TV/FM interference. Suppresses radiation of spurious signals above 40 MHz. Negligible insertion loss. 200 watts. 10-160 m. 52-75 ohm lines. SO-239 connectors, bracket, 1 lb.  
17 C 8454..... 4.95

**D** Johnson In-Converter. Converts 6 VDC to 12 VDC (1.1A), 12 VDC to 24 VDC (0.6A), etc. Changes negative ground to positive, positive ground to negative. Solid-state.  $6 \times 2\frac{1}{2} \times 3\frac{3}{4}$ ". 3 lbs. \$5 Monthly.  
17 C 6803..... 22.95



**\$15.50**



**\$3.95**



**\$3.45**



**\$2.50**



**\$3.95**



**\$1.59**



**\$8.95**

**E** Johnson Noise Suppressor Kit. Eliminate ignition and other electrical interference originating in the vehicle with this complete electrical noise suppression kit. Includes all capacitors, resistors, wire. Wt., 2 lbs.  
17 C 6010..... 15.50

**H** Cesco "Phantom" Dummy Load. Tune your transmitter without causing interference. Replaces antenna. FCC regulations prohibit tuning or other adjustments with antenna connected. 52 ohms. With standard UHF connector. Power rating ample for any CB transceiver. Shpg. wt., 6 oz.  
17 C 8505..... 2.50

**F** Alternator Noise Filter. Nontunable filter designed to eliminate receiver noises caused by car alternator systems. Not critical as to frequency or voltage—operates on any voltage up to 32 volts. Shpg. wt., 2 oz.  
17 C 8410..... 3.95

**J** "Blitz-Bug" Lightning Arrester. Type 83 connectors, 1 male, 1 female.  
17 C 8044. Wt., 4 oz. .... 3.95

**G** Generator Noise Filter. Eliminates radio interference caused by annoying whine and grinding noises created by generator brushes. Tunable from 3 to 30 MHz. Supplied with mounting bracket. Shpg. wt., 5 oz.  
17 C 8512..... 3.45

**K** PL-259 Coaxial Connectors. Meet military specifications. New, not replated. Shpg. wt., 8 oz.  
17 C 6643..... Pkg. of 4 for 1.59

**L** Coaxial Switch. Two-pole, 5-position. 1 kW. For 80-10 meters, including 11-meter CB. Shpg. wt., 3 lbs.  
17 C 6444..... 8.95

## CB-52-T In-Line "Transicheck"

**\$19.95** \$5  
monthly

- No Line Loss
- For 52-Ohm Lines
- Colibrated, Balanced



Relative Power Output/SWR Meter for 52-ohm lines. Accurately balanced and calibrated in SWR. No line loss or detuning when inserted in feed line. Sensitive microammeter.  $5\frac{1}{2} \times 2\frac{1}{4} \times 2\frac{1}{4}$ ".  $2\frac{1}{4}$  lbs.  
17 C 8160. \$5 Monthly..... 19.95

## SWR and Field-Strength Meters



**\$9.95**



**\$9.95**

**M** SWR/FS Meter. Reads forward and reflected power, SWR 1:1 to 1:3, field strength. 1 kW. 2-30 MHz.  $6 \times 2\frac{1}{4} \times 2\frac{3}{4}$ ". From Japan.  
17 C 6588. Shpg. wt., 10 oz. .... 9.95

**N** Field-Strength Meter. Checks antenna field around station. Covers 1-250 MHz. Magnetic base.  $12\frac{3}{4}$ " whip.  $3\frac{1}{4} \times 3\frac{1}{2} \times 1\frac{1}{2}$ ". Japan.  
17 C 6589. Shpg. wt., 10 oz. .... 5.95

Astotic UG8-D104 Microphone and Desk Base. Shockproof Hi-Z crystal. DPDT relay switch. Push, grip-to-talk, lock positions. Chrome.  $5\frac{1}{2}$ " dia. base,  $12\frac{3}{8}$ " high. -46 dB. 6-ft. 4-cond. (1-pr. shielded) cable.  
17 C 8566. 4 lbs. .... 33.70  
17 C 8567. D104. Above, less base. 2 lbs. .... 18.50

Astotic JT-30 Microphone. High-impedance crystal. -49 dB. 30-10,000 Hz. Gray finish, chrome trim. With handle and interlocking base. Threaded  $\frac{5}{8} \times 27$ . 8' 1-cond. cable.  
17 C 8568. 3 lbs. .... 10.95





# ALLIED-KNIGHT Citizens Band Mobile Antennas

HIGH-EFFICIENCY ANTENNAS FOR IMPROVED OPERATING PERFORMANCE

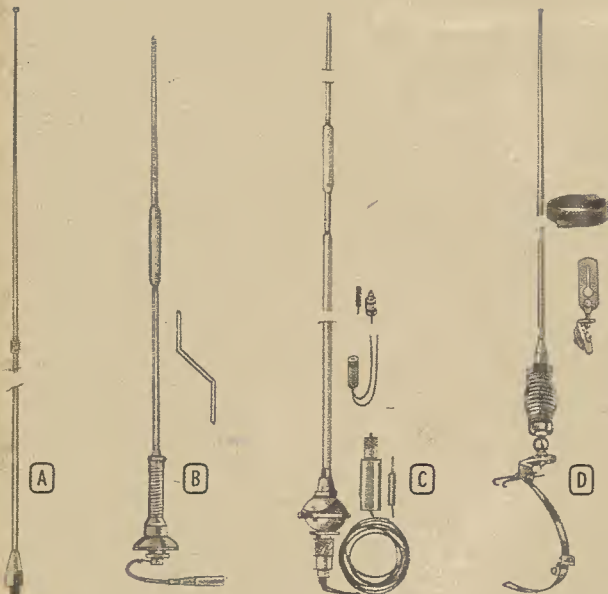
## Value-Priced Quality Antennas

**A** 102" Stainless Steel Whip. Fine taper-ground stainless steel.  $\frac{3}{8}$ "-24 stud for mounting. Two sections. Shpg. wt., 2 lbs.  
17 C 6610 X..... 4.95

**B** 30" Antenna for Car-Tap or Trunk. Chrome-plated brass, center-loaded antenna for fine performance and convenient compact size. Resonator is tunable for perfect match and is weather-sealed. Stainless steel spring prevents antenna damage. Bracket is included for trunk-groove mounting without visible holes. Complete with 18-ft. RG-58/U cable and two mounting wrenches. Shpg. wt.,  $1\frac{1}{2}$  lbs.  
17 C 6756 X..... 10.95

**C** CB/AM/FM Antenna Chrome-plated brass antenna for CB transmit-receive and AM and FM broadcast reception. Resonator tunable for best CB reception. Matching coupler uses a series-resonant circuit to isolate CB from AM/FM. No switching required. Auto radio tunes in original manner. 50" telescoping antenna with 8-ball base for 1-hole mount. With coupler, 60" leads with all connectors. Shpg. wt., 2 lbs.  
17 C 6757 X..... 12.95

**D** 102" Antenna Package. Outstanding quality at a low price. Whip and mount are stainless steel, ball and spring are triple chromed. Package consists of: 102" whip; high-impact spring; base and ball; bumper mount; gutter clip; 20-ft. RG-58/U coaxial cable with PL-259 plug. Rust-proof whip is of finest taper-ground stainless steel. Rugged base, ball and spring are built to "take it." Shpg. wt., 8 lbs.  
17 C 6705 X..... 16.95



**Two-Section  
102" Whip**  
\$4.95

**30" for  
Roof or Trunk**  
\$10.95

**CB/AM/FM  
Antenna**  
\$12.95

**Deluxe  
Whip Package**  
\$16.95

## ALLIED-KNIGHT Deluxe Base-Loaded Mobile Antenna \$15.95

- Easy to Install
- Preconnected Leads
- No Soldering Required

Presents a handsome modern appearance, and performs as well as it looks. Adds efficiency to your station, and makes the most of the available power. Durably constructed—will withstand hard service and any kind of weather. Features heavy-duty stainless steel spring and rod of finest quality. Mounts in  $\frac{3}{4}$ " hole or with trunk-lid mounting (included). 17-ft. coax with PL-259 connector. Shpg. wt., 2 lbs.  
17 C 6706 X..... 15.95  
Economy Model. Above, without spring. Shpg. wt.,  $1\frac{3}{4}$  lbs.  
17 C 6704 X..... 12.95

## Selected Mobile Antenna Accessories and Cable



**E** Heavy-Duty Stainless Steel Spring. Offers superior strength and durability.  $\frac{3}{8}$ "-24 threads. Shpg. wt., 2 lbs.  
17 C 6609..... 7.25

**F** Bumper Mount. Solid, permanent antenna mounting. Stainless steel strap, chrome ball. Won't rust or break. 3 lbs.  
17 C 6606..... 6.95

**G** Body Mount. Stainless steel ball adjustable 180°; steel backup plate. Easy to adjust, but won't loosen under vibration. Shpg. wt., 3 lbs.  
17 C 6607..... 7.95

**H** Trunk Mount. Installs in a jiffy. No holes to drill. Mounts in trunk groove. Chrome-plated steel. Wt., 12 oz.  
17 C 8955 X..... 3.95

## Low-Loss Foam-Dielectric Coaxial Cable Assemblies



Low As \$2.95 20-Ft. RG-58/U

Premium ready-to-use coaxial cable assemblies. Connectors attached. Polyethylene foam dielectric and non-contaminating PVC jacket. Cuts line loss, increases antenna system efficiency and range.

RG-8/U 50-Ohm Coax. PL-259 plugs on both ends.

17 C 8519. 50' Coil. 7 lbs. .... 8.50

17 C 8522. 100' Coil. 11 lbs. .... 13.95

RG-58/U 53.5-Ohm Coax. PL-259 each end, except \*PL-259 one end, split lugs other end.

17 C 8530. 20' Coil. \* 1 lb. .... 2.95

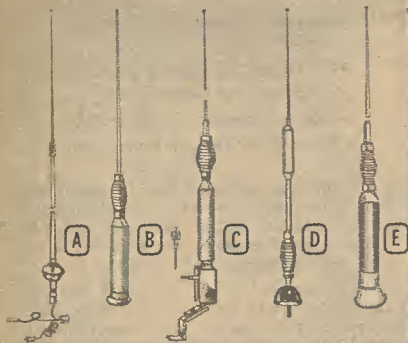
17 C 6883. 50' Coil. 2 lbs. .... 5.50

17 C 6884. 100' Coil. 4 lbs. .... 8.95



# Values in Performance-Tested CB Mobile Antennas

## ANTENNA SPECIALISTS



**A** M-103 Combination CB/Broadcast-Band Antenna. Center-loaded telescoping antenna. Chrome-plated. Single-hole body mount. Includes divider, all cables, plugs. 4 lbs.  
17 C 9459 X. . . . . 17.55

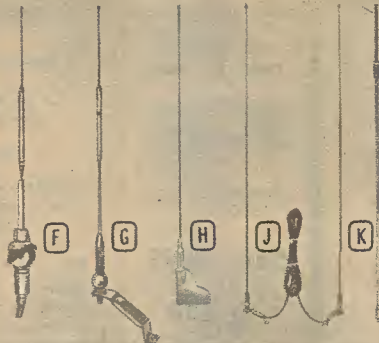
**B** M-125 Roof Mount Antenna. 40" base-loaded stainless steel antenna, stainless steel spring. Snap-in  $\frac{3}{8}$ " hole mounting. 16' RG58/U cable, PL-259. Shpg. wt., 2 lbs.  
17 C 6631 X. . . . . 16.70

**C** M-127 Trunk-Groove-Mount Antenna. 40" base-loaded stainless steel antenna and spring. Snap-in  $\frac{3}{8}$ " hole mount. With 16' RG58/U cable, PL-259. Shpg. wt., 3 lbs.  
17 C 8340 X. \$5 Monthly. . . . . 19.55

**D** M-130 18" Car-Top Antenna. Center-loaded antenna with tuning adjustment. Low VSWR.  $2\frac{1}{2}$ " stainless steel spring. 16' RG58/U. PL-259.  $\frac{3}{8}$ " snap-in mount. 2 lbs.  
17 C 8339 X. . . . . 12.95

**E** M-176 Trunk Mount Antenna. "Quick-Grip" mount—no holes to drill. Base loaded. Stainless steel antenna spring. VSWR 1.5:1 or better. 16' RG58/U. PL-259. 3 lbs.  
17 C 8645 X. \$5 Monthly. . . . . 21.95

## NEW-TRONICS



**F** TCS-27-M CB/AM/FM Whip. 2 telescoping sections. No AM or FM degradation. Weatherproof, tunable resonator. With automotive ball base and matching harness. Wt., 2 lbs.  
17 C 8392 X. . . . . 15.25

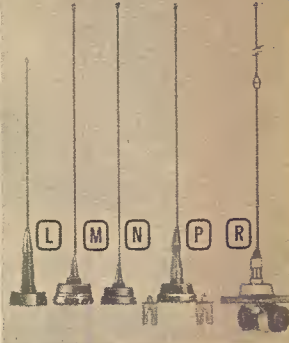
**G** TGF-27-L Trunk-Groove Mount Antenna. Strong, flexible fiberglass antenna. 48" long. With mounting hardware, 16' coax, PL-259.  $1\frac{1}{2}$  lbs.  
17 C 8395 X. . . . . 11.95

**H** RTB-27-L Base-Loaded Mobile Antenna. Rooftop or deck mounting. Tip rod tuning and fine-tuning adjustment. SWR 1.1:1 at resonance. 52 ohms. Mounts in  $\frac{3}{4}$ " hole. No soldering. With 18 ft. of RG58/U. PL-259 connector, and special connector for plugging into lead on base. 4 lbs.  
17 C 8393 X. \$5 Monthly. . . . . 26.95

**J** SDT Super Deluxe "Double Talk" Antenna. Consists of two FG-27 fiberglass antennas, two TGM-1 trunk-groove mounts, 18-ft. matching harness. Shpg. wt., 4 lbs.  
17 C 8394 X. \$5 Monthly. . . . . 24.95

**K** FG-27 Fiberglass Antenna. Armored with copper braid and completely weatherproofed. Has  $\frac{3}{8}$ "-24 thread at bottom. Shpg. wt., 1 lb.  
17 C 8952 X. . . . . 5.50

## HY-GAIN



**L** Hellcat 1 Rooftop Antenna. Stainless steel tip rod, chrome-plated brass fittings. 48-in. high. With 22 ft. of coax, connector. Claw mounting. Shpg. wt., 3 lbs.  
17 C 6160 X. . . . . 17.50

**M** Hellcat 2 Shorty Rooftop Antenna. (Not illus.) 23-in. high. Claw mtg. 2 lbs.  
17 C 6161 X. . . . . 14.95

**N** Hellcat 3 Magnetically Mounted Antenna. No holes to drill—no tools needed. Installs easily and quickly with magnetic mounting.  $34\frac{3}{8}$ " high. With 16 ft. of coax, connector. 4 lbs.  
17 C 6172 X. . . . . 16.95

**O** Hellcat 4 Trunk-Lip Antenna. Mounts quickly and easily on lip of trunk lid. 47-in. high. With 22 ft. of coax, connector. Shpg. wt., 4 lbs.  
17 C 6152 X. \$5 Monthly. . . . . 19.95

**P** Hellcat 6 Camper and Trailer Antenna. Low-profile base and chrome-plated fold-over protector. 47-in. high. With 22 ft. of coax, connector. 4 lbs.  
17 C 8415 X. \$5 Monthly. . . . . 22.95

**R** Hellcat 9 Marine or Boat Antenna. Does not need a ground plane. Mounts in  $\frac{3}{8}$ " hole. 58 $\frac{1}{2}$ " in. high. With tuning unit, 22 ft. of coax, connector. 4 lbs.  
17 C 8416 X. \$5 Monthly. . . . . 26.95

## MOSLEY • ELENEX

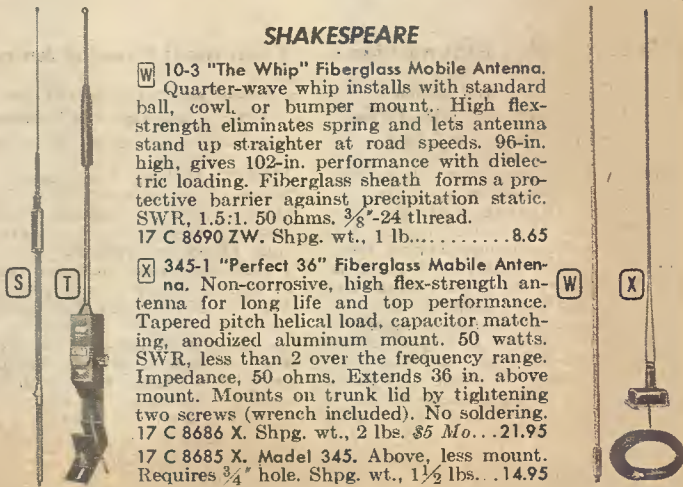
**S** Masley "Lancer 23" Mobile Antenna. Quality CB antenna made of corrosion-resistant aluminum, chrome-plated brass, and stainless steel, is both professional looking and durable. Hinged for quick and easy fold-over. Features corona disks, antenna peaking provision, removable loading coil with waterproof case. SWR, 1.5:1 or better. Length, approx. 100". Impedance, 52 ohms. Shpg. wt., 3 lbs. See Page 192 for Mounts.  
17 C 8425 X. \$5 Monthly. . . . . 25.25

**T** Elenex "Tiger Tail Whip" Portable Antenna. Low-angle, center-loaded  $\frac{3}{4}$ -wave whip with built-in solid-state reverse-power monitor. Designed for quick installation while camping, traveling, on-the-job, in office buildings and apartments, etc. As you tune for minimum SWR, you can see the reflected power disappear on the built-in meter. 52 ohms. 51-in. long. With universal mounting bracket. 12-ft. coax, connector.  
17 C 6374 X. Wt., 3 lbs. \$5 Monthly. . . . . 29.95

## SHAKESPEARE

**W** 10-3 "The Whip" Fiberglass Mobile Antenna. Quarter-wave whip installs with standard ball, cowl, or bumper mount. High flex-strength eliminates spring and lets antenna stand up straighter at road speeds. 96-in. high, gives 102-in. performance with dielectric loading. Fiberglass sheath forms a protective barrier against precipitation static. SWR, 1.5:1. 50 ohms.  $\frac{3}{8}$ "-24 thread.  
17 C 8690 ZW. Shpg. wt., 1 lb. . . . . 8.65

**X** 345-1 "Perfect 36" Fiberglass Mobile Antenna. Non-corrosive, high flex-strength antenna for long life and top performance. Tapered pitch helical load, capacitor matching, anodized aluminum mount. 50 watts. SWR, less than 2 over the frequency range. Impedance, 50 ohms. Extends 36 in. above mount. Mounts on trunk lid by tightening two screws (wrench included). No soldering.  
17 C 8686 X. Shpg. wt., 2 lbs. \$5 Mo. . . . . 21.95  
17 C 8685 X. Model 345. Above, less mount. Requires  $\frac{3}{4}$ " hole. Shpg. wt.,  $1\frac{1}{2}$  lbs. . . . . 14.95



Get Your Antenna Now with Allied's Credit Fund Plan

ALLIED 193



# ALLIED-KNIGHT CB Antennas for Base Stations

OUR FINEST ANTENNAS WITH COAX OFFER SAVE YOU MONEY



Full-Length  
24-Foot Boom

100' RG58/U  
Only \$4 More



With PL-259 Plug  
at Each End

Save \$4.95

**\$43.95**

\$5 monthly

For Vertical  
or Horizontal  
Operation

## KN-2574 5-Element Beam Antenna

Antenna Alone

**\$39.95**

\$5 monthly

- Full-Length 24' Boom Permits Spacing for Highest Gain
- High-Performance 8-Element Antenna
- 25 d8 Front-to-Back Ratio

Feature-for-feature this high-performance five-element antenna is the best value anywhere in an all-aluminum beam. The 24-ft. boom allows optimum spacing of elements for maximum gain. Elements are 18' 8 $\frac{3}{4}$ " long and radiate a near-perfect directional pattern.

Antenna delivers high forward gain of 12.3 dB and has excellent front-to-back ratio of 25 dB or better to help eliminate interference from other stations. Gamma matching for low VSWR with 52-ohm coaxial cable. Can be used vertically or horizontally. Wind load, 62 lbs. For 1 $\frac{1}{2}$ " dia. mast. Shipped express.

- 17 C 0779 L2ZW. With 100' Coax. 28 lbs. .... 43.95
- 17 C 9398 ZW. KN-2574 Alone. 24 lbs. .... 39.95
- 11 C 2442 W. Alliance U-100 Rotator System. (Not illustrated.) Shpg. wt., 12 lbs. .... 28.78
- 11 C 1237. 4-Cond. Rotator Cable. 100'. 3 lbs. .... 2.99
- 17 C 6884. 100' RG58/U With Connectors. 4 lbs. .... 8.95

Antenna  
Alone

**\$9.95**

With 50' Coax



**\$12.95**

Save \$2.50

### Special-Value Ground Plane

- Omnidirectional Radiation
- Three Radials for Wide Pattern
- Seamless Aluminum Tubing

KN-2505A. Economically priced antenna provides long-range omnidirectional coverage. Radiator and radials are of seamless aluminum tubing. Has unity gain. Impedance, 52 ohms. Beta-match insures correct impedance match; DC ground removes static and protects against lightning. Easy to install—can be mounted against a chimney or on a 1" to 1 $\frac{5}{8}$ " diameter mast. Rust-resistant hardware. Includes 50 feet of RG58/U coaxial cable with PL-259 connectors.

- 17 C 0025 L2X. With Coax. 5 lbs. 12.95
- 17 C 6714 X. KN-2505 Alone. 6 lbs. 9.95
- 17 C 6883. 50' RG58/U Coaxial Cable with Connectors. Wt., 2 lbs. .... 5.50

Antenna  
Alone

**\$13.95**

With 50' Coax



**\$16.95**

Save \$2.50

### Our Most Popular Antenna

- Top Hat for Low Noise Level
- DC Ground Lightning Protection
- 3.8-dB Circuit Gain • Low VSWR


KN-2570. Outperforms many CB antennas that cost much more. Has exclusive clover-leaf top hat for lowest possible noise level. Engineering design places entire antenna at DC ground for protection from lightning. 52-ohms. 3.8-dB circuit gain. 1.25:1 VSWR. 17-foot seamless aluminum radiator, three 52" durable-aluminum radials. For masts 1 $\frac{1}{4}$  to 1 $\frac{3}{8}$ " dia. Rust-resistant hardware. Includes 50' of RG58/U coaxial cable with PL-259 connectors attached. 8 lbs.

- 17 C 0341 L2X. With Coax. .... 16.95
- 17 C 6700 X. KN-2570 Alone. 6 lbs. 13.95
- 17 C 6883. 50' RG58/U Coaxial Cable with Connectors. Wt., 2 lbs. .... 5.50

Antenna  
Alone

**\$24.95**

With 100' Coax



**\$28.95**

Save \$4.95

### Deluxe Colinear Antenna

- $\frac{1}{2}$ -Wave for Longest Range
- Solid-State Matching Coupler
- Excellent Radiation Pattern

KN-2572. Our finest Citizens Band antenna. 19' 10" aluminum radiator is  $\frac{1}{2}$ -wave for superior performance. Solid-state matching coupler for maximum transfer of signal. 4-dB circuit gain; 1.04:1 or less VSWR. Clover-leaf top hat discharges static. Center skirt for broadband operation. DC ground for lightning protection. Three 9-ft. radials. For masts 1 $\frac{1}{4}$ -1 $\frac{3}{8}$ " dia. Rust-resistant hardware. Includes 50' of RG58/U coaxial cable with PL-259 connectors attached. 9 $\frac{1}{2}$  lbs.

- 17 C 0122 L2X. With Coax. .... 28.95
- 17 C 6702X. KN-2572 Alone. 7 $\frac{1}{2}$  lbs. 24.95
- 17 C 6884. 100' RG58/U Coaxial Cable with Connectors. Wt., 4 lbs. .... 8.95



# Great Values in CB Base Station Antennas

A DELUXE SELECTION OF TOP-QUALITY ANTENNA VALUES

With **\$32.96** <sup>\$5</sup> <sub>1¢ Bonus</sub> monthly

**1¢ BONUS**



With **\$32.56** <sup>\$5</sup> <sub>1¢ Bonus</sub> monthly

**"Super Magnum"**

**Save \$5.49**

50 ft. RG-58/U Coax Cable with Two PL-259's for 1¢ More








- A** Hy-Gain CLR-II. Vertical ground-plane.  $\frac{5}{8}$ -wave. 4 dB gain—8 dB circuit gain. SWR, 1.2:1. Impedance, 52 ohms. Heavy-duty aluminum construction. Three 9-ft. radials; 19'10" radiator. Fits  $1\frac{1}{4}$ " to  $1\frac{3}{8}$ " masts.  
17 C 0936 L2X. With Coax. 9 lbs. .... 32.96  
17 C 6422 X. CLR-II Alone. 7 lbs. .... 32.95
- B** Antenna Specialists Super Magnum. Gives 6 dB or better S/N improvement. 3.75-dB gain. Ball reduces static. Hi-Q phasing. Very low angle of radiation. 52 ohms. Fits up to  $1\frac{1}{2}$ " masts.  
17 C 0939 L2X. With Coax. 15 lbs. .... 32.56  
17 C 6496 X. M-117 Alone. 13 lbs. .... 32.55

**Ringo** **\$18.95**

**Big Stick** **\$32.95** <sup>\$5</sup> <sub>monthly</sub>

**PRO-27-JR** **\$24.95** <sup>\$5</sup> <sub>monthly</sub>

**CB3** **\$25.95**


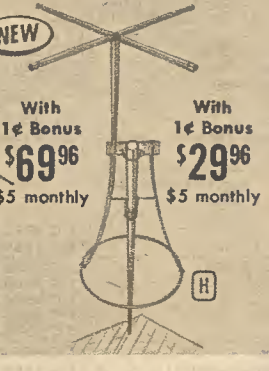
**CUSH-CRAFT**      **SHAKESPEARE**      **NEW-TRONICS**      **HY-GAIN**

- C** Cush-Craft CR-1 "Ringo."  $\frac{1}{2}$ -wave. 1:1 SWR. 3.75 dB gain. "Power-ring" tuning. 52-ohm coaxial feed. Seamless aluminum tubing. Height, 17'10". Telescope clamps, pbenolic base insulator.  
17 C 8662 X. Shpg. wt., 6 lbs. .... 18.95
- D** Shakespeare 176 "Big Stick." Two-section.  $\frac{1}{2}$ -wave. Center-fed. White fiberglass sections; choke stub in base. Height, 18 $\frac{1}{2}$  ft. Fits  $1\frac{1}{2}$ " pipe. Accepts PL-259 plug. 50 ohms. With U-bolts.  
17 C 6368 ZW. Shpg. wt., 8 $\frac{1}{2}$  lbs. Express. \$5 Monthly. .... 32.95
- E** New-Tronics PRO-27-JR. .64-wave collinear. Low-angle radiation. Tunable telescoping construction. SO-239 connector.  
17 C 8331 X. Shpg. wt., 8 $\frac{3}{4}$  lbs. \$5 Monthly. .... 24.95  
17 C 8332 X. PRO-27-SD. Deluxe version of above. 15 $\frac{1}{4}$  lbs. .... 39.59
- F** Hy-Gain CB3. Half-wave. 8-dB forward gain; 20-dB average F/B ratio; 30-dB F/S ratio. 52-ohm coaxial feed. Seamless elements on 8'x1 $\frac{1}{4}$ " aluminum boom. Hardware iridite treated.  
17 C 8344 ZW. Shpg. wt., 7 lbs. Express. \$5 Monthly. .... 25.95

**NEW**      **NEW**

With **\$69.96** <sup>\$5</sup> <sub>1¢ Bonus</sub> monthly

With **\$29.96** <sup>\$5</sup> <sub>1¢ Bonus</sub> monthly

**HY-GAIN**      **AVANTI**

- G** Hy-Gain Quad Antenna. Two-element quad antenna with extended aperture elements and selectable polarity for diversity reception. Provides vertical or horizontal selection of incoming signals and reduction of interfering skip signals. Directivity and high F/B ratio of a beam, but smaller and lighter. Shpg. wt., 19 lbs.  
17 C 0026 L2ZW. With Coax. \$5 Monthly. .... 69.96  
17 C 8345 ZW. Quad Alone. Wt., 17 lbs. \$5 Monthly. .... 69.95
- H** Avanti Astro Plane Antenna. Radiates an extremely low-angle signal for maximum distance in all directions. SWR, less than 1.4:1 on all CB channels and 10-meter Ham band. Gain, 4 dB. Impedance, 50 ohms. Rated to 1 kW. Height, 12 ft. Made of rigid heavy-duty aluminum tubing. Resists winds of over 120 miles-per-hour. Lightweight—easy to assemble and install on up to  $1\frac{1}{2}$ " O.D. mast.  
17 C 0027 L2X. With Coax. Wt., 6 lbs. \$5 Monthly. .... 29.96  
17 C 8335 X. Antenna Alone. 4 lbs. \$5 Monthly. .... 29.95

**1¢ BONUS**



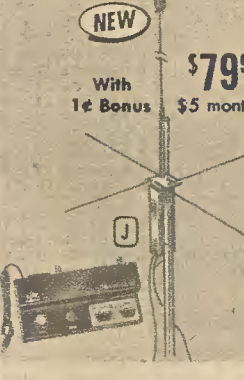
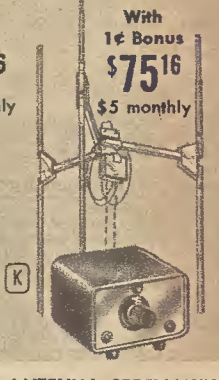
**Save \$5.49**

50 ft. RG-58/U Coax Cable with Two PL-259's for 1¢ More

**NEW**

With **\$79.96** <sup>\$5</sup> <sub>1¢ Bonus</sub> monthly

With **\$75.16** <sup>\$5</sup> <sub>1¢ Bonus</sub> monthly

**ELENEX**      **ANTENNA SPECIALISTS**

- J** Elenex Gamma IV. Has desk-top control with forward and reflected-power meter and push-to-tune button. SWR, 1:1 on all channels, but can be tuned to zero reflected power on any channel.  $\frac{5}{8}$  wave. 52 ohms. Height, 19 ft.; 9-ft. radials. Static-removing top hat. Resists 100 mile-per-hour winds. For up to  $1\frac{1}{2}$ " mast. 110 V, 60 Hz.  
17 C 0028 L2ZW. With Coax. Wt., 12 lbs. \$5 Monthly. 79.96  
17 C 8327 ZW. Antenna Alone. 10 lbs. \$5 Monthly. .... 79.95
- K** Antenna Specialists Model M-119. Scanner antenna does not require an antenna rotator. You rotate the signal electronically for maximum range, not the antenna. Control box selects three directions, indicated by neon bulbs, or "off." Provides 7.75 dB gain. 23 dB F/B. Three 17 $\frac{1}{2}$ " aluminum verticals; spaced 120°. 52 ohms. For  $1\frac{1}{2}$ " mast. Requires 4-wire rotator cable. Express.  
17 C 0064 L2ZW. With Coax. Wt., 20 lbs. \$5 Monthly. 75.16  
17 C 6754 ZW. M-119 Alone. Wt., 18 lbs. \$5 Monthly. 75.15

Make Allied Your Headquarters for CB Equipment and Accessories

ALLIED 195



# CTS/Knights Quality CB Crystals at Low Prices

## PRECISION-GROUND CRYSTALS FOR ALL POPULAR CB EQUIPMENT

Manufactured under the most exacting conditions. Inspected at each step of assembly. Exceed FCC requirements with .003% tolerance. Crystals for CB models are either precision 3rd overtone or series-resonant types as indicated in manufacturer's specifications. Each crystal is in protective

plastic box. \*In tables below indicates no crystal is required. To Order: Use Stock No. indicated in Tables below and specify channel desired, 1-23. Wt., 3 oz. (Channels May Be Assorted for Quantity Price).  
Each . . . . . 2.50 3-9 . . . . . Each 1.94 10-Up . . . . . Each 1.75

Standard  
Size  
H17



.050"  
Pins

Miniature  
Size  
H3



.039"  
Pins

Miniature  
Size  
H3W



.017" Wire  
Leads

Standard  
Size  
H17L



.093"  
Pins

### Crystals for Allied, Knight, and Lincoln Citizens Band Equipment and Walkie-Talkies

Model No.	Stock No.	
	Transmit	Receive
KN-2500, KN-2550, KN-2580	17 C 9366 CS	17 C 9358 CS
A-2507, KN-2520, KN-2522	17 C 9394 CS	17 C 9409 CS
A-2530	17 C 9394 CS	17 C 9395 S
L-2540, L-2541, L-2542, A-2543, A-2544, A-2545	17 C 9369 CS	17 C 9401 CS
KN-2585	17 C 9366 CS	17 C 9358 CS
KN-2590	17 C 9354 CS	17 C 9360 CS

Model No.	Stock No.	
	Transmit	Receive
L-2700	17 C 9353 CS	17 C 9375 CS
L-2700A	17 C 9366 CS	*
L-2710	17 C 9369 CS	17 C 9375 CS
Knight-Kit C-22, C-560	17 C 6602 CS	17 C 9358 CS
Knight-Kit C-540	17 C 6602 CS	*
Knight-Kit C-555, KG-4000A	17 C 9353 CS	17 C 9375 CS
Knight-Kit Safari II, III, IV	17 C 9394 CS	17 C 9409 CS

### Crystals for Other Popular Citizens Band Equipment and Walkie-Talkies

Manufacturer and Model	Stock No.	
	Transmit	Receive
Allstate—see Sears-Roebuck		
Amphenol 510B	17 C 6600 CS	17 C 6601 CS
Amphenol 600, 625, 650, 675	17 C 6600 CS	17 C 9963 CS
Amphenol 750	17 C 6600 CS	17 C 9343 CS
B&K Cobra 5	17 C 9394 CS	17 C 9409 CS
Cadre 500	17 C 9394 CS	17 C 9370 CS
Cadre 510, 510A, 515, 520	17 C 6600 CS	17 C 6601 CS
Citifone 5A, 6, 7, 11, 99	17 C 9371 CS	17 C 9372 CS
Claricon Century	17 C 9369 CS	17 C 9401 CS
Courier AFS200	17 C 9366 CS	17 C 9358 CS
Courier Fleet, A-58	17 C 9354 CS	17 C 9363 CS
Courier TR-5, TR-6	17 C 6600 CS	17 C 9401 CS
Courier 12	17 C 9366 CS	17 C 9363 CS
Demco Satellite	17 C 6604 CS	*
Demco Chalet	17 C 9369 CS	17 C 9401 CS
Demco Ravelle	17 C 6604 CS	17 C 9378 CS
Dewald TR1000, R1050, F1050	17 C 9366 CS	17 C 9358 CS
E.C.I.—see Courier		
E. F. Johnson Personal Messenger	17 C 9353 CS	17 C 9375 CS
E. F. Johnson Messenger I, II	17 C 9352 CS	17 C 9362 CS
E. F. Johnson Messenger 109, 109, 110	17 C 9394 CS	17 C 9401 CS
E. F. Johnson Messenger III, 300	17 C 9394 CS	17 C 9963 CS
Eico 170-772, 777	17 C 9371 CS	17 C 9356 CS
Eico Sentinel 12, 712	17 C 9366 CS	17 C 9360 CS
Fanon DCL-50, RCB-10, FCB 11, 12, 13, 55, 90, 91, L-1000, L-2000	17 C 9394 CS	17 C 9401 CS
General MC1, MC2, MC3	17 C 9366 CS	17 C 9363 CS
General MC4, MC5, MC6, EM5, EM6	17 C 9354 CS	17 C 9363 CS
General Echo 9	17 C 9369 CS	17 C 9401 CS
Globe CB100	17 C 9366 CS	17 C 9357 CS
Globe CB100A	17 C 9366 CS	17 C 9363 CS
Globe CB200	17 C 9350 CS	17 C 9357 CS
Hallcrafters CB2, CB3A, CB5A, CB7, CB9, CB10, CB17, CB27	17 C 9352 CS	17 C 9359 CS
Hallcrafters CB12, CB19, CB21	17 C 6600 CS	17 C 9407 CS
Hallcrafters CB6	17 C 9353 CS	17 C 9375 CS
Hallcrafters CB20	17 C 6600 CS	17 C 6603 CS
Heath CB2, GW10, 11, 12, 22, 32, 34, 42, MW30, MW33	17 C 9366 CS	17 C 9360 CS
Heath G14, GW21, GW52, GRS-65A	17 C 9353 CS	17 C 9365 CS
Int'l Executive 50, 100, 100A, 100C, 100D, CTZ-50, CTZ-5A2, CTZ-5B2	17 C 9354 CS	17 C 9374 CS
Karr Sky Hawk (Crystal for Transmit and Receive)	17 C 9345 CS	17 C 9345 CS
Karr Sky Lark	17 C 6600 CS	17 C 9345 CS
Knight and Knight-Kit—see table above		
Lafayette HE15, 15B, HB115, 115A	17 C 9366 CS	*
Lafayette HE20, 20A, 20B, 20C, 23, 24, 43B, 43C, 65, 90	17 C 9366 CS	17 C 9358 CS

Manufacturer and Model	Stock No.	
	Transmit	Receive
Lafayette HE20J, HA450, Dynacom 5, 6	17 C 9394 CS	17 C 9401 CS
Lafayette HE29 (very early), HA64, 65	17 C 9353 CS	17 C 9363 CS
Lafayette HE29 (except very early), HE29A, 29B, H10TC, HE31, HE66, 82, 83		
Lafayette HE29C, HA60, HA62, HE85, 86, GT-50, HE75, HE88, HA99, HE100, 100A, HA130, 135, 150, 210, 295, 303, 711, Dynacom 2, 3	17 C 9354 CS	17 C 9358 CS
Lafayette HB111, HB200	17 C 9354 CS	17 C 9358 CS
Lafayette Comstat 9, 19	17 C 9354 CS	17 C 9363 CS
Lincoln—see table above		
Lloyds 7A08, 7A11, 8A22	17 C 9369 CS	17 C 9401 CS
Metrotek "Colt 23"	17 C 9408 CS	*
Metrotek "Mustang," 65 & II, "Pacer"	17 C 9354 CS	17 C 9360 CS
Metrotek "Pacer II"	17 C 9408 CS	17 C 9409 CS
Midland 13-042, 13-105, 13-106, 13-108, 13-110, 13-111, 13-113, 13-120, 13-124, 13-132, 13-133, 13-143, 13-150, 13-410, 13-430, 13-710, 13-722, 13-732, 13-760, 13-765, 13-775, 2910	17 C 9369 CS	17 C 9401 CS
Monarch TC900, TC66	17 C 9369 CS	17 C 9401 CS
Olson Spotter 1, 2, RA530	17 C 9366 CS	*
Olson RA396, RA442	17 C 9366 CS	17 C 9358 CS
Olson RA446	17 C 9369 CS	17 C 9401 CS
Olson RA482, RA52	17 C 9366 CS	17 C 9363 CS
Olson 717	17 C 9354 CS	17 C 9360 CS
Pace I, II, IIs, 5000	17 C 6600 CS	17 C 9406 CS
Pearce Simpson Companion III	17 C 9394 CS	17 C 9401 CS
Polytronics Poly Pup	17 C 6600 CS	17 C 9409 CS
Raytheon TWR5, 6, 7, 8, 9, 11	17 C 6600 CS	17 C 6603 CS
RCA Mark VIII, IX	17 C 6602 CS	17 C 9359 CS
RCA Mark X	17 C 6600 CS	17 C 9406 CS
Realistic CBK1, TRC27A	17 C 9366 CS	17 C 9363 CS
Radio Shack—see Realistic		
Regency Ranger	17 C 6600 CS	17 C 9411 CS
Regency—see Metrotek		
Sears-Roebuck Cat. No. 6450, 6455	17 C 9369 CS	17 C 9401 CS
Sears-Roebuck Cat. No. 6550	17 C 9352 CS	17 C 9359 CS
Sears-Roebuck Cat. No. 6552	17 C 6600 CS	17 C 9407 CS
Sears-Roebuck Cat. No. 6556	17 C 9394 CS	17 C 9401 CS
Sears-Roebuck Cat. No. 6558	17 C 9394 CS	17 C 9963 CS
Sonar E (below serial no. 915)	17 C 9377 CS	17 C 9363 CS
Sonar E (above serial no. 915)	17 C 9377 CS	17 C 9378 CS
Sonar G	17 C 6604 CS	17 C 9378 CS
Sonar H	17 C 9368 CS	17 C 9378 CS
Squires Sanders S55	17 C 6600 CS	17 C 9344 CS
USL TR1000, TR1050, Contact 6	17 C 9366 CS	17 C 9358 CS
USL Contact 8	17 C 9354 CS	17 C 9358 CS



**NEW**

# Full-Power 5-WATT Walkie-Talkies With New Integrated Circuits



**THREE  
CHANNELS**

**\$79<sup>95</sup>** Each  
\$5 monthly



**SIX  
CHANNELS**

**\$99<sup>95</sup>** Each  
\$5 monthly

Tuned RF Stage  
plus Four IF's  
Has PA Switch  
and Provision for  
Mobile Use

## Midland 13-765 3-Channel Walkie-Talkie

- New Integrated Circuits for Superior Performance
- AGC for Stable Reception • Earphone and Charger Jacks
- Bottery Condition Meter • Tuned RF Stage

You can't buy a more powerful Citizens Band walkie-talkie. Features full 5-watt RF input for maximum-range 2-way radio communications. Versatile 3-channel capability, too. Solid-state integrated circuits for super-reliability and superior overall performance. Superhet receiver has tuned RF stage for excellent sensitivity.

Push-pull audio circuit for plenty of volume without distortion. Variable squelch. Automatic gain control. Heavy-duty 60" telescoping antenna, jack for external 50-ohm antenna. Built-in speaker/mike, push-to-talk switch. Metal case with die cast front, 9 1/2 x 3 1/2 x 2 1/2". Handy shoulder strap for carrying ease.

Requires 8 alkaline batteries, or rechargeable nickel-cadmium battery pack below. Use also as mobile or base station with accessories below. FCC license required. With crystals for Channel 11. From Japan.

17 C 9804 S. Shpg. wt., 5 lbs. \$5 Monthly. . . . Each 79.95

## Midland 13-775 6-Channel Walkie-Talkie

- Solid-State with New Integrated Circuits
- Four IF's plus Tuned RF for Excellent Sensitivity
- Use As PA Mike and Amplifier • Squelch Control

Deluxe solid-state walkie-talkie offers top-notch CB communications on up to 6 crystal-controlled transmit/receive channels. Has full 5-watt input. Superhet receiver has four IF stages for excellent selectivity and tuned RF for outstanding sensitivity of 1.2  $\mu$ V for 10 dB S/N. Boasts newest integrated circuits for finest performance.

Has: combination speaker/mike with push-to-talk switch; RF output and signal strength meter; squelch control; AGC. Switch converts to PA and amplifier use. Jacks for external antenna, earphone, extension speaker and mike, PA speaker, battery charger, 60" telescoping antenna. Hi-lo battery saver. Metal case, 9 3/4 x 4 1/2 x 2 3/16".

Operates on 8 alkaline cells or 10 rechargeable nickel-cadmium batteries. Order accessories for base and mobile operation below. FCC license required. With case, carrying strap, Channel 7 crystals. From Japan.

17 C 9707 S. Shpg. wt., 5 lbs. \$5 Monthly. . . . Each 99.95

### ACCESSORIES FOR WALKIE-TALKIES ABOVE

- Extra Crystals. Specify Channel 1-23. Shpg. wt., 3 oz.
- 17 C 9369 CS. Transmit. . . . . Each 2.50
- 17 C 9401 CS. Receive. . . . . Each 2.50
- 18 C 5131. Alkaline Batteries. Wt., 4 oz. . . . Pkg. of 2 for 66¢
- Eveready Rechargeable Nickel-Cadmium Batteries. 3 oz.
- 18 C 5636. . . . . Each 1.93

- 17 C 9769 S. Ni-Cadmium Recharg. Bottery Pack. 11 oz. . 11.95
- 17 C 9712 S. Combination 117 VAC Power Supply and Bottery Charger. Operates walkie-talkies as 117 VAC base station, recharges nickel-cadmium batteries. Shpg. wt., 2 lbs. 22.95
- 17 C 9645. 12-VDC Auto Cable. Plugs into automobile's 12-V cigarette lighter socket. Shpg. wt., 4 oz. . . . . 1.95

Boost Your Buying Power with An Allied Credit Fund Account

**ALLIED 197**



# One and Two-Watt CB Walkie-Talkie Values ... All with 3 Channels



**GOOD—1 WATT**  
**\$34<sup>95</sup>**  
\$5 monthly



**BETTER—2 WATT**  
**\$39<sup>95</sup>**  
\$5 monthly



**OUR BEST—2 WATT**  
**\$59<sup>95</sup>**  
\$5 monthly

## Solid-State 1-Watt Walkie-Talkie with Call Signal

- Superhet Receiver with Tuned RF Stage
- Push-Pull Class B High-Level Audio
- Efficient 13-Transistor Circuit

Midland 13-710. An exciting value in a 1-watt walkie-talkie. Three-channel crystal-controlled transmit and receive, and "Call Signal" for alerting other similar units to your calls. Sensitive superhet receiver provides clear reception of weak signals; AVC reduces blasting and fading; adjustable squelch circuit silences speaker between calls. Also has battery-condition meter; 60-inch telescoping antenna; input jacks for optional AC adapter and battery charger, earphone. Chrome-trimmed metal cabinet, 7 $\frac{3}{4}$ " x 2 $\frac{3}{4}$ " x 2". With convenient carrying strap, Channel 11 Crystals, Extra crystals, batteries, rechargeable battery pack below. Wt., 4 lbs. Japan. 17 C 9805 S. \$5 Monthly. . . . . 34.95

## Solid-State 2-Watt Walkie-Talkie with Call Signal

- Call-Signal-Tone Alerts Other Units
- 20 Times the Power of 100-mW Talkies
- Squelch Circuit for Quiet Operation

Midland 13-722. Greater range in a complete portable 2-way CB walkie-talkie. Powerful 2-watt, 13 transistor circuit. Offers 3-channel crystal-controlled operation; push-pull Class B high-level audio modulation, providing a highly intelligible signal; sensitive superhet receiver with AVC to reduce fading and blasting, and variable squelch. Plus 64-inch telescoping antenna; battery-condition meter; input jacks for optional AC adapter, battery charger and earphone. Chrome-trimmed metal cabinet, 8x2 $\frac{3}{4}$ " x 2". With convenient carrying strap, Channel 11 crystals. Order extra crystals, batteries, or rechargeable pack below. Shpg. wt., 4 lbs. Japan. 17 C 9806 S. \$5 Monthly. . . . . 39.95

## Deluxe Solid-State 2-Watt Walkie-Talkie with Call Signal

- Three Crystal-Contralled Channels
- Separate Speaker and Microphone
- Push-Pull Class B High-Level Audio

Midland 13-732. Outstanding in every way, this compact powerhouse of a CB walkie-talkie provides more powerful communications—lets you get through. The use of a separate microphone and speaker results in excellent modulation with improved transmitting range and signal intelligibility. Features high-level modulation; sensitive superhet receiver; 48-inch telescoping antenna; battery-condition meter; input jacks for optional AC adapter, battery charger and earphone. Die-cast metal cabinet, 10 $\frac{1}{2}$ " x 3x2 $\frac{1}{4}$ ". With earphone, leather lanyard carrying strap, Channel 11 crystals. Extra crystals, batteries, rechargeable pack below. Shpg. wt., 3 lbs. Japan. 17 C 9807 S. \$5 Monthly. . . . . 59.95

### GET THE MOST FROM YOUR WALKIE-TALKIE WITH THESE USEFUL ACCESSORIES

Extra Transmit Crystals, Channel 1-23—specify. Wt. 3 oz.  
17 C 9369 CS . . . Ea. 2.50 3-9 . . . Ea. 1.94 10-Up . . . Ea. 1.75  
Extra Receive Crystals, Channel 1-23—specify. Wt. 3 oz.  
17 C 9401 CS . . . Ea. 2.50 3-9 . . . Ea. 1.94 10-Up . . . Ea. 1.75  
Rechargeable 12-V Nickel-Cadmium Bottery Pack. Wt., 11 oz.  
17 C 9769 S . . . . . 11.95

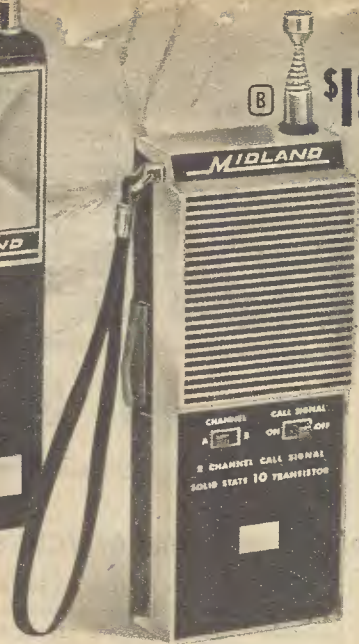
Combination AC Adapter and 12-V Battery Charger. Wt., 1 lb'  
17 C 9712 S. \$5 Monthly . . . . . 22.95  
12-Volt Battery Charger. Shpg. wt., 6 oz.  
17 C 9643 . . . . . 5.95  
Alkaline Batteries. 8 required. Shpg. wt., 4 oz.  
18 C 5131 . . . . . Pkg. of 2 for 66¢



# 100-mW Walkie-Talkies for Personal or Business Use

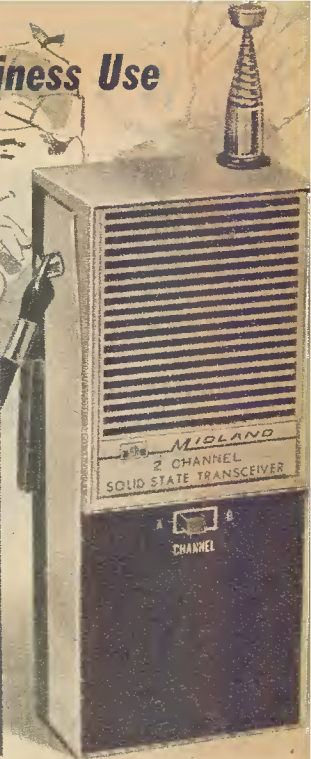


**\$22<sup>95</sup>** **A**  
\$5 monthly



**\$19<sup>95</sup>** **B** \$5 monthly

**Our Lowest Price for Any Superhet Walkie-Talkie**  
**Special Value \$12<sup>95</sup>**



## **A** 9-Transistor Deluxe Walkie-Talkie

Midland 13-113. Rugged workhorse for personal or industrial use. Crystal-controlled transmit and receive. Sensitive superhet receiver. Rugged all-metal cabinet with die-cast grille. Uses 8 "AA" penlight cells for extra efficiency. 7 1/8 x 2 3/4 x 2". Leather carrying case, Channel 11 crystals. Order batteries below. Japan. 17 C 9808 S. Shpg. wt., 1 1/2 lbs. \$5 Monthly..... 22.95

## **B** 10-Transistor 2-Channel Walkie-Talkie

Midland 13-430. Exceptional value. Has high-sensitivity dynamic-speaker/mike; Call Signal; on-off volume control; push-to-talk switch; telescoping antenna; input jacks for battery charger, AC adapter, earphone. Metal-back case, 5 1/2 x 2 1/4 x 1 3/8". With carrying strap, Channel 11 crystals, 9-V battery. From Japan. 17 C 9718 S. Shpg. wt., 1 lb. \$5 Monthly..... 19.95

## 6-Transistor 2-Channel Walkie-Talkie

- Call Signal Alerts Other Similar Units to Your Calls
- Sensitive Superhet Receiver Brings in Weak Signals
- Easy-to-Change Crystals
- 100% Modulation

Midland 13-410B. Improved model loaded with quality features, yet still priced lower than last year's Model 13-410. Ideal low-cost, dependable communications. Many uses: camping, hunting, fishing, scouting, boating, sports, farming, home, warehouse, more. Sensitive superhet receiver for better reception of all signals; 100% modulated 3-stage transmitter with call-signal alerting; plug-in crystals for easy channel changes; heavy-duty telescoping antenna. High-impact plastic case with chrome grille. 5 3/4 x 2 5/8 x 1 1/16". Input jacks for AC adapter, battery charger, earphone. With carrying strap, Channel 11 crystals, 9-V battery. Shpg. wt., 1 lb. From Japan. 17 C 9809 S..... 12.95

# 3-Channel 100-mW Walkie-Talkies . . with Call Signal



**Deluxe Model**  
**\$32<sup>95</sup>** • 12 Transistors  
\$5 monthly • Plug-in Crystals  
• Battery Meter

Lloyds 8A22. Offers 3 crystal-controlled channels; "Call Signal"; separate speaker and microphone for greater efficiency; push-to-talk; sensitive superhet receiver with variable squelch. Plus 49" telescoping antenna, battery-condition indicator. Easy-to-grip square metal case. 9 3/8 x 2 3/16 x 2 3/16". With carrying strap. Ch. 9 crystals, and 6 "AA" batteries. Japan. 2 lbs. 17 C 9720 S. \$5 Monthly.. 32.95

**Low-Cost Model**  
**\$29<sup>95</sup>** • 12 Transistors  
\$5 monthly • Plug-in Crystals  
• Variable Squelch

Midland 13-124C. Features 3 crystal-controlled channels, Call Signal, separate speaker and push-to-talk microphone. Sensitive superhet receiver has tuned RF stage, full variable squelch. Input jacks for AC adapter, battery charger, earphone. Metal case, 7 1/2 x 2 3/4 x 2 1/8". Leather carrying case. Ch. 11 crystals, battery holder. Order 8 "AA" batteries below. Japan. 1 1/2 lbs. 17 C 9810 S. \$5 Monthly.. 29.95



- USEFUL WALKIE-TALKIE ACCESSORIES**
- 18 C 5083. "AA" Penlight Batts. 4 oz..... Pkg. of 2 for 27¢
  - 18 C 5980. 9-V Batt. 4 oz.... 2/59¢
  - 17 C 9767 S. 9-VAC Adapter. 4.95
  - 17 C 9640. 12-VAC Adapter. 4.95
  - 17 C 9645. 12-V Auto Cable. 1.95

No License Needed for 100-mW Units—Extra Crystals on Page 196



**NEW**

# ALLIED Solid-State Ham/SWL Receiver

Model A-2515

**\$99<sup>95</sup>**

\$5 monthly

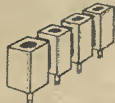
**24 Semiconductors Including Two Field-Effect Transistors for High Sensitivity and Lowest Noise**



## CHECK THESE DELUXE FEATURES



All-Solid-State Circuit Has 24 Semiconductors



Four Mechanical Filters for Best Selectivity



Dual Power Supplies for 117 VAC/12 VDC

## A-2515 SPECIFICATIONS

Ranges: Band A, 150 to 400 kHz; Band B, 550 to 1600 kHz; Band C, 1.6 to 4.8 MHz; Band D, 4.8 to 14.5 MHz; Band E, 10.5 to 30 MHz. Sensitivity: 2  $\mu$ V for 10 dB S/N, 3.2  $\mu$ V on standard AM broadcast band. Selectivity: 1.5 kHz bandwidth at 6 dB down; 5 kHz at 50 dB down. Signal-to-Noise Ratio: 30 dB down. IF Rejection: 40 dB. Intermediate Frequency: 455 kHz. Audio Power Output: 1.3 watts. Power Sources: 117 VAC, 12 VDC (negative ground). Power Consumption: 10 watts. Semiconductors: 11 transistors, 12 diodes, zener diode. Size: 7 $\frac{5}{8}$ x15x10".

## Solid-State 5-Band AM/CW/SSB Receiver

- RF Stage • Product Detector for SSB Reception
- Noise Limiter • Front-Panel Antenna Trimmer
- Versatile Dual 117-VAC and 12-VDC Power Supplies
- High Stability • Illuminated "S" Meter
- 2 FET's plus 9 Transistors and 13 Diodes

Keep in touch with the world or brighten your Ham shack with this sensitive, versatile solid-state 5-band SWL/Amateur receiver. The A-2515 gives you dependable reception of longwave and shortwave signals on four big bands, plus the standard AM broadcast band. Covers 150-400 kHz, 550-1600 kHz, 1.6-4.8 MHz, 4.8-14.5 MHz, 10.5-30 MHz. Receives all Amateur bands from 80 to 10 meters, international shortwave, foreign broadcasts, aircraft and marine broadcasts, many more. Choose your listening from AM, CW, or SSB. Calibrated bandspread for 80-10 meters.

Modern solid-state circuit uses two Field Effect transistors in the RF stage for high sensitivity and lowest noise. Large illuminated slide-rule dial. Four mechanical filters provide superior selectivity for good station separation. Receiver muting connections. Dual power supply makes the A-2515 ideal for emergency, mobile and field-day uses.

Noise limiter and automatic volume control reduce noise, blasting, and fading. Built-in variable BFO and Product Detector give clear reception of code and single-sideband. Illuminated S-meter for easy visual tuning. Push-pull audio output stage with thermistor for low distortion. Handsome gray metal cabinet, 7 $\frac{5}{8}$ x15x10". Vinyl cover. For 117 VAC or 12 VDC, negative ground. Order speaker, headphones, antenna below. Japan.

17 C 6985 U. Shpg. wt., 20 lbs. \$5 Monthly ..... 99.95

## Speaker and Accessories for A-2515

Matching Speaker. Large 3x5" permanent-magnet speaker for crisp, clear sound reproduction. Ruggedly constructed with sturdy steel case. Non-marring vinyl feet protect surfaces. Impedance, 8 ohms. Housed in handsomely styled cabinet, 7 $\frac{1}{2}$ x3 $\frac{3}{16}$ x5 $\frac{1}{16}$ ".

17 C 6986 X. Shpg. wt., 3 lbs. .... 9.95

17 C 6226 X. Deluxe Dual Headphones. Lightweight. Adjustable headband. 8 ohms. Phone plug. 1lb. 5.95  
 17 C 9497 X. Deluxe Shortwave Antenna Kit. Easy-to-assemble Mosley trap dipole. Overall length, 39' 10". Supplied complete with 100 ft. of 75-ohm twin lead. 3 lbs. .... 17.37  
 17 C 8424 X. Low-Cost Fully-Assembled Shortwave Antenna. Covers 1.8-30 MHz range. Wt., 2 $\frac{1}{2}$  lbs. .... 6.95

## ALLIED A-2515 Receiver Outfit

**\$116<sup>50</sup>**

\$6 monthly • Complete Listening Post • You Get Matching Accessories

Separately, \$122.80. Save \$6.30 on this complete, sensitive receiving station for international and domestic listening. Consists of: Allied A-2515 Solid-State 5-Band Shortwave and Amateur Receiver; Vinyl Cover; Matching Speaker; Deluxe Dual Headphones; Fully Assembled Shortwave Antenna. All are matching components designed to provide stable, clear reception of shortwave and standard broadcasts.

17 C 0024 L2U. Shpg. wt., 27 lbs. \$6 Monthly ..... 116.50

200 ALLIED

Allied Is America's Headquarters for Amateur and SWL Equipment

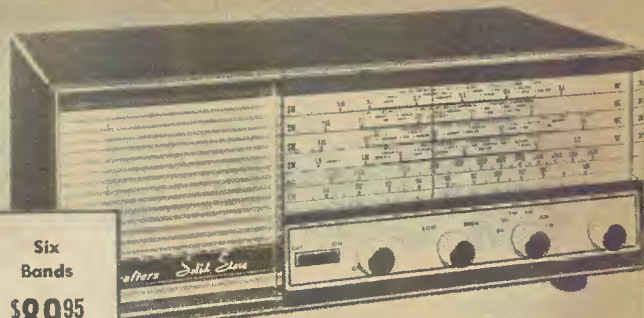


# Hallicrafters AM, FM and Shortwave Receivers

## S-214 Low-Cost Solid-State 6-Band AM/SW/FM Receiver

Exciting international and domestic shortwave listening. Instant-on solid-state circuit gives fine performance on six bands: 550-1600 kHz (standard AM broadcast); 88-108 MHz (FM); 5.9-6.25 MHz (49 meters); 9.4-9.8 MHz (31 meters); 11.65-12.05 MHz (25 meters); 15.05-15.55 (19 meters). Features s-p-r-e-a-d dial tuning on shortwave bands; AFC for drift-free FM reception; 1-watt audio output; built-in speaker; tone control; built-in triple antenna system with provision for external antennas. Easy tuning; illuminated slide-rule dial. Vinyl-covered metal cabinet, 5 $\frac{1}{2}$  x 13 $\frac{1}{2}$  x 8". For 115 V, 50-60 Hz AC. Shpg. wt., 10 lbs. 17 C 9884 U. \$5 Monthly..... 89.95

Six Bands  
**\$89.95**  
\$5 monthly

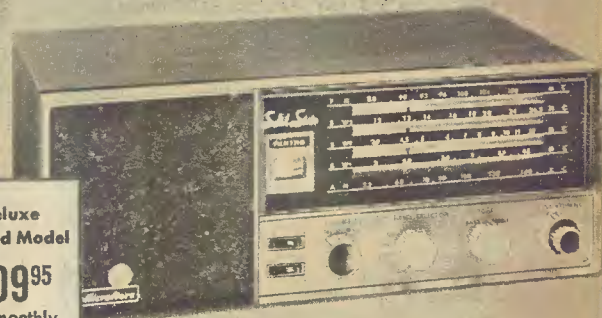


- Built-In Triple Antenna System • AFC for Drift-Free FM
- S-p-r-e-a-d Tuning on SW • Illuminated Slide-Rule Dial

## S-240 Solid-State Deluxe 5-Band AM/SW/FM Receiver

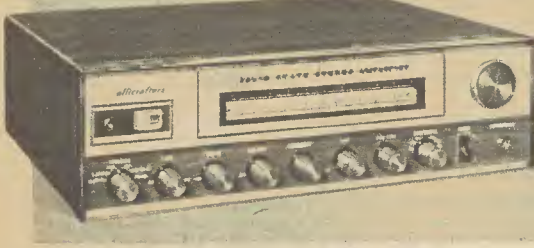
A world of entertainment and information is at your fingertips with this fine solid-state receiver. Features wide shortwave coverage, plus AM and FM. Five bands: 550-1600 kHz; 2-5 MHz; 4.8-11.5 MHz; 11-30 MHz; 88-108 MHz (FM). Has tuning meter for easy tuning and performance rating; illuminated slide-rule dial; fine-tuning control to spread out crowded shortwave stations; BFO for CW reception; AFC to lock FM stations in place; triple antenna system; built-in speaker with provision for external speaker or earphone; 1-watt push-pull output. Vinyl-covered metal cabinet, 6 $\frac{1}{2}$  x 13 $\frac{3}{4}$  x 8". 115 V, 50-60 Hz AC. Wt., 10 lbs. 17 C 9896 U. \$6 Monthly..... 109.95

Deluxe  
5-Band Model  
**\$109.95**  
\$6 monthly



- Tuning Meter for Visual Tuning • Tuner Output Jack
- Fine Tuning Spreads Out Crowded Shortwave Stations

- Longwave, AM, Shortwave, FM, FM Stereo • Fine Tuning
- 10-Watts Power per Channel • Stereo Indicator Light



## CR-3000 Solid-State 6-Band Receiver

**\$229.95** • 70 to 15,000 Hz Response • Tuning Meter  
\$12 monthly • Built-in Triple Antenna System • AGC • AFC

Magnificent multiband receiver covers: 190-400 kHz (LW); 550-1600 kHz (standard broadcast); 2-4 MHz, 5.85-10.3 MHz, 11.0-18.0 MHz (SW); and 88-108 MHz (FM) on illuminated rotary drum band selector. Delivers 10 watts rms continuous power per channel. Features: 70-15,000 Hz response; stereo indicator light; tuning meter; balance, bass, treble controls; AGC to prevent fading; AFC for drift-free FM; BFO for CW reception. Inputs: ceramic phono, magnetic phono, tape, aux. Stereo headphone jack. Tape output. Triple antenna system with provision for external antenna. Takes 8-ohm speaker. Cabinet is vinyl covered steel. 5x15 $\frac{1}{2}$  x 12 $\frac{1}{4}$ ". 117 V, 50-60 Hz AC. 17 C 9892 U. Slugg. wt., 24 lbs. \$12 Monthly..... 229.95

## SX-130 Communications Receiver

**\$199.95** • Excellent Ham and Shortwave Receiver  
\$10 monthly • SSB with Selectable USB/LSB plus CW and AM

Pulls in AM, SSB, CW, and RTTY with clarity. Sharp station separation is obtained with crystal phaser and filter. Calibrated S-meter allows visual tuning and performance rating. Four bands cover foreign broadcast, Amateur, aircraft, marine, and AM standard broadcast. Tunes 535-1600 kHz, 1.725-4.7 MHz, 4.5-13 MHz, 11.9-31.5 MHz. Slide-rule bandspread dial calibrated for 80-10 meter Amateur bands and 11-meter CB. Selectable USB/LSB; product detector for CW, SSB; crystal phasing bandwidth control; calibrated BFO; S-meter; RF gain control; ANL. Order speaker below. 8x18 $\frac{3}{4}$  x 10 $\frac{1}{4}$ ". 115 VAC. 17 C 9045 U. Shpg. wt., 35 lbs. \$10 Monthly..... 199.95  
17 C 9245 X. R50 Speaker. 8 $\frac{3}{4}$  x 8 $\frac{1}{4}$  x 9 $\frac{7}{8}$ ". 9 lbs..... 19.95



Get the Receiver You Want With an Allied Credit Fund Account

ALLIED 201



# Hammarlund Amateur and Shortwave-Listener Receivers



## HQ-215 Solid-State Crystal-Controlled Amateur Receiver for 80 through 10 Meters

**\$529<sup>50</sup>**

\$23 monthly

- SSB, CW, AM, plus RTTY Modes
- 100-Hz-per-Hour Frequency Stability
- 100-Hz Dial Accuracy on All Bands

Sensitivity of 0.5  $\mu$ V for 10 dB S/N, plus extraordinary selectivity. Choose SSB (USB/LBS), CW, AM, RTTY. Crystals for 80-15 meter Ham bands and 28.5-28.7 MHz on 10 meters. Accepts 13 optional crystals (Special Order) to select any 200 kHz segment from 3.4-30.2 MHz. Has 2.1 kHz mechanical filter—space for 2 optional filters (Special Order), switch selected. Variable BFO, AGC. "S" meter, noise limiter, crystal calibrator. Provision for transceiver use. 40 semiconductors. 6 $\frac{1}{2}$ "x15 $\frac{1}{2}$ "x14". 115/230 VAC/12 VDC. Speaker below.

17 C 9661 U. Shpg. wt., 26 lbs. \$23 Monthly. . . . . 529.50  
17 C 9662 X. Matching Speaker. Shpg. wt., 7 $\frac{1}{4}$  lbs. . . . . 24.95



## HQ-180AC Superb Receiver for AM/CW/SSB With 100-kHz Crystal Calibrator

**\$494<sup>95</sup>**

\$21 monthly

- Covers 540 kHz-30 MHz in 6 Bands
- Crystal Filter for Sharp Selectivity
- Accurate Built-In 24-Hour Clock-Timer

Professional-quality receiver tunes 540 kHz through 30 MHz in 6 bands with bandspread for 10-80 meter Ham bands. Has linear product detector, selectable sidebands. Operates triple conversion above 7.85 MHz, dual conversion below . . . crystal-controlled 2nd converter. Selectivity adjusts from 500 Hz to 6 kHz. Tunable slot filter for up to 60 dB attenuation. Sensitivity, 0.5  $\mu$ V for 10:1 S/N ratio. Separate filament and accessory power supplies. Size, 10 $\frac{1}{2}$ "x19"x13". Order speaker below. For 115/230 volts, 50-60 Hz AC. Shpg. wt., 48 $\frac{3}{4}$  lbs.

17 C 9554 U. \$21 Monthly. . . . . 494.95  
17 C 9656 X. S-200 Matching Speaker. 12 lbs. . . . . 24.95

# Drake Amateur and Shortwave-Listener Receivers



Model  
2-C

**\$229<sup>00</sup>**

\$12 monthly

## Model 2-C Triple-Conversion Receiver

Excellent triple-conversion receiver for Hams or more critical shortwave listeners. Covers 80, 40, 20, 15, 10 meters in 500 kHz ranges. Three bandwidths of selectivity are available (equivalent to three filters): 0.4, 2.4, 4.8 kHz at 6 dB. Has solid-state audio, product and AM detectors; crystal oscillator; AVC switch (fast, slow, off); "S" meter; 19 tubes and semiconductors. Rear-panel jacks for antenna, speaker, external muting and sidetone. 7x12x9". Matching speaker below.

17 C 9600 U. Shpg. wt., 13 $\frac{1}{2}$  lbs. \$12 Monthly. . . . . 229.00  
17 C 9602 U. 2-CS Speaker. 7x10x9". 6 lbs. \$5 Monthly. . . . . 19.95



Model  
SW-4A

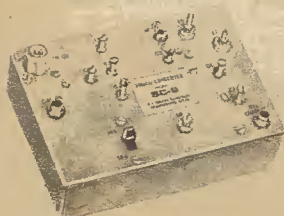
**\$289<sup>00</sup>**

\$15 monthly

## Model SW-4A International Shortwave Receiver

Dual-conversion receiver with ultra-precision tuning; crystal lattice filter; solid-state VFO, AF output, and power supply; crystal oscillator; amplified AVC; "S" meter; VU meter. Covers 0.15-1.5, 6-6.5, 7-7.5, 9.5-10, 11.5-12, 15-15.5, 17.5-18, 21.5-22, 25.5-26 MHz. Crystals supplied. These frequencies include European LF, American MF, and International SW broadcast bands. 5 $\frac{1}{2}$ "x10 $\frac{3}{4}$ "x12 $\frac{1}{4}$ ". For 120/240 volts, 50-60 Hz AC. Matching speaker below. Shpg. wt., 19 lbs.

17 C 9537 U. \$15 Monthly. . . . . 289.00  
17 C 9487 U. MS-4 Speaker. 5 $\frac{3}{8}$ "x10 $\frac{3}{4}$ "x11 $\frac{3}{8}$ ". 8 $\frac{3}{4}$  lbs. . . . . 19.95



2-Meter  
Converter

**\$69<sup>00</sup>**

\$5 monthly

## Solid-State 2 and 6-Meter Converters

SC-2. Converts any general-coverage receiver to 2 meters. Covers 144-148 MHz, IF, 14-18 MHz. Two switch-selected crystals for reception of 144, 145 MHz segments of band for limited-coverage receivers. Requires 18 VDC at 40 mA. Converter output frequency for transceiver. Calibrator input. 6 $\frac{3}{8}$ "x4 $\frac{3}{16}$ "x2 $\frac{1}{2}$ ".

17 C 9610. Shpg. wt., 2 lbs. \$5 Monthly. . . . . 69.00  
17 C 9615. SC-6. Above, but covers 6 meters. 2 lbs. . . . . 64.50  
17 C 9619. Power Supply. Delivers 18VDC@100 mA. 1 $\frac{1}{2}$  lbs. 17.95  
17 C 9622. SCC-1 100 kHz Crystal Calibrator. Usable to 432 MHz. Requires 18 VDC@20 mA. Wt., 1 lb. \$5 Monthly. . . . . 24.50



# Outstanding Transceiver Values

48 YEARS OF  
SERVICE TO HAMS  
MEANS THIS  
TO YOU . .

## You Get Expert Service

Allied has been serving Amateurs since the earliest days of Ham radio. For the right station, call or write us for advice.

## You Get Special Low Prices

Write Mail Order Amateur Sales Dept. for money-saving quote on Ham station or SWL outfit (2 or more items).

## Choose from the Finest

Allied offers the best equipment available, priced far top value.

## No Money Down, Low Payments

Outfit your station an Allied's Credit Fund Plan. Take up to two years to pay. See pages 4 and 5.



Includes  
Crystals  
for Full  
Five-Band  
Coverage

**\$599<sup>95</sup>**

\$25 monthly

## Drake Model TR-4B Five-Band SSB/AM/CW Transceiver

World-famous, full-frequency coverage transceiver works all bands 80-10 meters. Input is 300 watts PEP on SSB, 260 watts CW, 260 watts PEP on AM. Offers VOX, PTT, solid-state VFO, CW sidetone oscillator, diode and product detectors, 100 MHz crystal calibrator, separate plate ammeter and "S" meter, dial accuracy of 1 kHz, many other features. Instant USB/LSB selection on all 5 bands. Automatic transmit/receive switching on CW for semibreak-in. Pi-network output. Connections for external receiver. 5½x10¾x14¾". Order power supplies, accessories below.

- 17 C 9473 U. Shpg. wt., 19½ lbs. \$25 Monthly. . . . . 599.95
- 17 C 9474 U. Model AC-4 115-VAC Supply. Wt., 16 lbs. \$5 Monthly. . . . . 99.95
- 17 C 9475 U. Model DC-4 12-VDC Supply. Wt., 9 lbs. \$7 Monthly. . . . . 125.00
- 17 C 9476 U. Model RV-4 Remote VFO/5" Speaker. 11½ lbs. \$5 Monthly. 99.95
- 17 C 9487 X. Model MS-4 5x7" Matching Speaker. 9 lbs. \$5 Monthly. . . . . 19.95
- 17 C 9478 X. Model MMK-3 Mobile Mount, Shpg. wt., 1 lb. . . . . 6.95

NEW  
at ALLIED



## Hallicrafters SR-400 80-10 Meter SSB/CW Transceiver

**\$799<sup>95</sup>**

- 400 Watts PEP SSB
- 360 Watts on CW
- 1 µV Sensitivity

\$34 monthly

Highly stable SSB/CW receiver and transmitter covering 80-10 meters. Power input: 400 watts PEP on SSB, 360 watts CW. Sensitivity, 1 µV for 20 dB S/N. Built-in VFO. Receiver can be tuned 3 kHz either side of transmitting frequency without disturbing transmitter tuning. VOX, PTT, 100 kHz crystal calibrator, crystal lattice filter. USB/LSB selection, CW and "T"-notch filters, keyed CW, sidetone, noise blanker, 19 tubes, regulator tube, 21 diodes. Variable pi-network. 6½x15x13". Supplies below. 17 C 9247 Z. 26 lbs. \$34 Mo. . . . . 799.95  
17 C 9240 U. AC Sup./Spkr. 29 lbs. 119.95  
17 C 9238 U. DC Supply. 10 lbs. 159.95

NEW  
at ALLIED

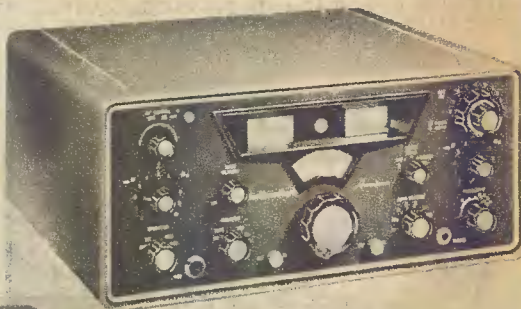


## Hallicrafters HA-20 VFO

**\$199<sup>95</sup>**

- Self Powered
- Stable, Accurate

For SR-400 and SR-2000 transceivers. Lets you select transmit and receive frequencies separated up to 500 kHz in any band segment. Provides choice of two transceive frequencies; or you monitor two receive frequencies separated by 5 kHz-500 kHz. 7x10½x8". 117 VAC. 11 lbs. 17 C 9248 U. \$10 Mo. . . . . 199.95



## Hallicrafters "Hurricane" SSB and CW Transceiver

**\$1095<sup>00</sup>**

- 2000 Watts PEP SSB
- 1000 Watts CW
- 1 µV Sensitivity

\$46 monthly

Model SR-2000. Features 2000 watts PEP input on SSB, 1000 watts CW. 80-10 meters. Linear gear-drive VFO has readout to less than 1 kHz. Amplified Automatic Level Control gives peak compression and talk power. Receiver has adjustable noise blanker, incremental tuning, sensitivity of better than 1 µV for 20 dB S/N. Built-in VOX, PTT, break-in CW. Pi-network. RF output and "S" meters. 10½x7½x15½". Supply/speaker below. 30 lbs. 17 C 9241 Z. \$46 Monthly. . . . . 1095.00  
17 C 9242 Z. P-2000-AC Power Supply/Speaker. For 110/120 V, 50-60 Hz AC. Shpg. wt., 65 lbs. \$20 Monthly. 450.00

Buy Your Transceiver on Allied's Credit Fund Plan

ALLIED 203



# Great Ham Equipment Values



**NEW**  
at **ALLIED**

Ideal for CD,  
MARS, RACES,  
Regular Ham

**\$850<sup>00</sup>**

\$38 monthly



- Operates Crystal or VFO
- Antenna Changeover Relay
- Built-in CW Sidetone

**\$149<sup>00</sup>**

\$8 monthly

## Drake TR-4B 80-10 Meter SSB/AM/CW Station

Consists of R-4B Receiver, T-4B Transmitter, and speaker in one cabinet. Tunes 3-30 MHz, except 5-6 MHz. Transmitter must be crystal controlled from 11-11.5 MHz. Receiver tunes 1.5-30 MHz. Provision for ten crystal-controlled channels and ten 500 kHz tunable ranges with 1-kHz dial accuracy. Transmit frequency can be different from receive by using crystal-controlled transmit and tunable receive. RTTY: VFO easily adaptable to FSK. Power Input: 120 watts PEP on SSB and AM, 120 watts DC on CW. Sensitivity: 0.5  $\mu$ V at 10 dB S/N. Amplified fast or slow AVC. Antenna Impedance: 52 ohms. Audio Power: 1.5 watts. Ten tubes, 10 transistors, 2 integrated circuits, 17 diodes. 11 $\frac{1}{2}$ x10 $\frac{3}{4}$ x12 $\frac{1}{4}$ ". Order power supplies below. Sbgp. wt., 30 lbs.

- 17 C 9471 U. \$38 Monthly..... 850.00  
17 C 9474 U. Model AC-4 110/220-VAC Supply. 16 lbs. \$5 Monthly... 99.95  
17 C 9475 U. Model DC-4 12-VDC Supply. 9 lbs. \$7 Monthly..... 125.00

## Drake 2-NT CW Transmitter

Quality constructed, easy-to-tune CW transmitter puts you on the air in style. Covers 3.5-3.8, 7-7.2, 14-14.25, 21-21.25, 28-28.5 MHz, crystal or separate VFO. Operates break-in, semi-break-in, or manual. Input, variable to 100 watts. Automatic transmit switching puts transmitter on the air by closing key. Receiver-mute automatically silences receiver while you are transmitting. Spotting function lets you tune transmitter to receiver while not on the air. Low-pass TVI filter. Output Impedance, 52 ohms. Size, 6 $\frac{1}{2}$ x9 $\frac{7}{8}$ x9 $\frac{3}{4}$ ". For 120 V, 50-60 Hz AC.

- 17 C 9480 U. 15 lbs. \$8 Monthly..... 149.00



**NEW**  
at **ALLIED**

## Drake L-4B 80-10 Meter Linear Amplifier

**\$750<sup>00</sup>**

- 2000 Watts PEP SSB • 1000 Watts DC CW
- Built-in Calibrated RF Wattmeter
- Separate Solid-State Power Supply

\$33 monthly

Delivers 2000 watts PEP on SSB; 1000 watts DC on CW, AM, RTTY. Drive: 100 watts PEP on SSB; 75 watts on CW, AM, RTTY. AGC. Efficient cooling system with quiet internal blower. Standby switch leaves L-4B on while you are working with exciter only. Internal antenna changeover relay. Vernier-drive plate tuning control. Two taut-band meters read plate current, grid current, plate voltage, forward and reflected RF power. Input/Output Impedances: 50 ohms, adjustable pi-network output. Two 3-500Z tubes. Amplifier, 7 $\frac{1}{8}$ x13 $\frac{1}{8}$ x14 $\frac{5}{16}$ ". Power Supply, 7 $\frac{1}{8}$ x6 $\frac{3}{4}$ x11". 115/230 V, 50-60 Hz AC.

- 17 C 9605 Z. Sbgp. wt., 85 lbs. \$33 Monthly..... 750.00



## Hammarlund HXL-1 80-10 Meter Linear

**\$469<sup>95</sup>**

- 2000 Watts PIP SSB • 1000 Watts DC CW
- Built-in Solid-State Power Supply
- Internal DC-Operated Antenna Relay

\$20 monthly

Self-contained linear amplifier delivers 2000 watts Peak Input Power on SSB, 1000 watts DC on CW, 500 watts DC on AM, 850 watts DC on RTTY. Requires 70-100 watts drive for full output. High-efficiency blower keeps final tubes cool for long operating life. Built-in DC-operated antenna relay for chatter-free operation. Circuits monitored by multi-purpose meter providing all you need for proper tuning. Input-Output Impedances: 50 ohms, pi-network coupling to antenna. Two 572-B final tubes. Instant power to final amplifier, no waiting for warmup. 9 $\frac{1}{8}$ x17x9 $\frac{1}{2}$ ". For 117 VAC. Sbgp. wt., 66 lbs.

- 17 C 9485 Z. \$20 Monthly..... 469.95



# Deluxe Ham Transmitters, Receivers



**NEW**  
at **ALLIED**

## Drake T-4XB Transmitter

**\$449<sup>00</sup>**

- 160-10 Meters
- SSB, AM, CW, RTTY
- Transceive Switch

Quality transmitter covers 80, 40, 20, 15 meters and 28.5-29 MHz of 10 meters; 160 meters with accessory crystal. 500 kHz ranges between 1.8-30 MHz are also available. Power Input: 200 watts PEP on SSB and AM, 200 watts DC on CW. Solid-state VFO. AGC. USB/LSB selection. Semi-break-in on CW; sidetone. VOX, PTT. Relative output/plate current meter. High-impedance mike input. 52-ohm adjustable pi-network. 5½x10¾x11½". Supplies below.

- 17 C 9231 U. 20 lbs. \$20 Mo. 449.00
- 17 C 9474 U. 110/220 V, 50-60 Hz AC Power Supply. 22 lbs. \$5 Monthly 99.95
- 17 C 9475 U. 12 VDC Power Supply. 9 lbs. \$7 Monthly.....125.00

## Drake R-4B Receiver

**\$430<sup>00</sup>**

- For 160-10 Meters
- SSB, AM, CW, RTTY
- Transceive Capability

Dual-conversion receiver covering 80, 40, 20, 15 meters and 28.5-29 MHz of 10 meters; also 160 meters and any ten 500-kHz ranges between 1.5-30 MHz with accessory crystals. Solid-state VFO. Four bandwidths: 0.4, 1.2, 2.4, 4.8 kHz. Off/on, fast, slow AVC. Transceive capability. 25-kHz calibrator permits working closer to band edges. Sensitivity: 0.5 µV for 10 dB quieting. Input Impedance: 52 ohms. 6x11x11". For 120/240 VAC. Order speaker below.

- 17 C 9498 U. 19¾ lbs. \$19 Mo. 430.00
- 17 C 9487 X. MS-4 Matching 5x7" Speaker. 8¾ lbs. \$5 Monthly.....19.95
- 17 C 9232 U. T-4B Transmitter. Transceives with R-4B. 6x11x11"....395.00

## Ameco Ham Equipment for Novice or Old Timer



### 6- and 2-Meter Transmitter

**\$159<sup>95</sup>**

- 75 Watts Input
- Uses 621 VFO
- \$8 monthly
- 7984 Final

Model TX-62. Covers 50-54 and 144-148 MHz. 75-watt CW, peak AM input. Broad-banded, tunable final plate; tunable loading capacitors. Solid-state supply. Meter for final cathode and grid currents, relative RF output. Audio gain control. Jack for mike, key; connections for key and relay. Takes 8-MHz crystals or VFO. 6x11½x9½". 117 VAC. 21 lbs.

17 C 6321 U. \$8 Mo. 159.95

**NEW**  
at **ALLIED**



### General Coverage Receiver

**\$89<sup>95</sup>**

- Solid-State
- 540 kHz-54 MHz
- \$5 monthly
- Noise Limiter

Model R5. Continuously tunes 540 kHz through 54 MHz in 5 bands. Covers standard AM broadcast, Amateur, and foreign bands; 27-MHz CB channels; 2-way radio from 30-50 MHz, including police and fire broadcasts. Bandsread tuning. ANL and BFO. Size, 6x12x9". For 117 V, 60 Hz AC. Shpg. wt., 12 lbs.

17 C 6323 U. \$5 Monthly 89.95

**VFO for 6, 2, 1.4 Meters**

**\$64<sup>50</sup>**

**\$5 monthly**



Model 621. Stable VFO for 50, 144, 220 MHz. For transmitter using 8-MHz crystals. 6x5x7½". 117 VAC. 7 lbs.

17 C 9046. \$5 Monthly. 64.50



## HALLICRAFTERS

### HT-46 SSB/CW Transmitter

**\$395<sup>00</sup>**

- 180 Watts PEP SSB
- High-Stability VFO
- \$18 monthly
- 52-Ohm Pi-Net Output

Popular transmitter offers all you would want for a fine-quality station. Covers 80-10 meters with built-in high-stability VFO with 500 kHz 180-watt PEP filter input on SSB, 150 watts on CW. Can be "slaved" to SX-146 receiver. Grid-block CW keying. USB/LSB via 9-MHz quartz filter. Plate-current/relative output meter; press-to-talk; automatic amplifier level control. Self-contained solid-state power supply for 110-120 V, 50-60 Hz AC. 5½x13½x11". 26 lbs.

17 C 9244 U. \$18 Monthly....395.00

### SX-146 Amateur Receiver

**\$295<sup>00</sup>**

- New HF Quartz Filter System
- BFO, ANL, S-Meter.
- \$15 monthly

Bring new excitement into your shack with this fine high-quality receiver. 80-10 meter coverage in eight 500-kHz segments. Ten-meter crystal for 28.5-29.0 MHz supplied. 2.1-kHz high-frequency quartz filter supplied. Stable conversion oscillator chain. Order speaker below. 5½x13½x11". 105-125 V, 50-60 Hz AC. 20 lbs.

- 17 C 9044 U. \$15 Monthly....295.00
- 17 C 9042 U. R-51 Spkr. w/Digital Clock. 8½x8½x9½". Wt., 8½ lbs.....39.95
- 17 C 9245 X. R-50 Speaker. Similar to R-51, without clock. 8 lbs.....19.95

Outfit Your Station on Allied's Credit Fund Plan



# Telex Headphones, Headsets

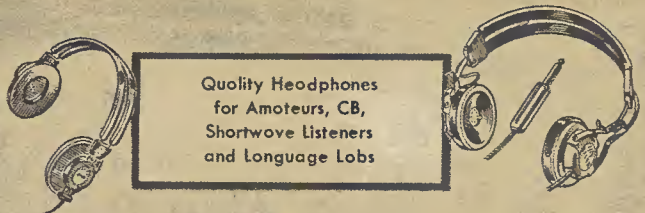


**\$30<sup>95</sup>**

\$5 monthly

## 1200-42 Deluxe Dual Headset with Boom Mike

Meets all requirements for language-lab use. Dynamic headset response, 20-20,000 Hz; dynamic noise-cancelling mike response, 100-8000 Hz. Imp.: headset, 600 ohms; mike, 300 ohms. 5' cord, 1/4" plugs.  
 17 C 6393 1 lb., \$5 Monthly... 30.95  
 17 C 6394. Model 1210-04. Above, less mike. Shpg. wt., 12 oz.... 21.95  
 17 C 6395. Model ACV-3 Foam Ear-cushions. Gray, washable. 2 oz. Pair 1.50



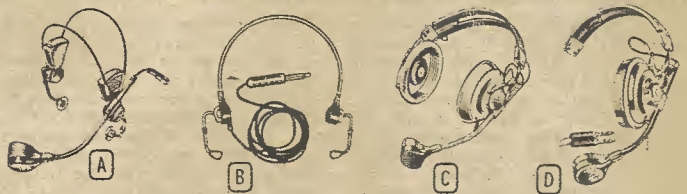
Quality Headphones for Amateurs, CB, Shortwave Listeners and Language Lobs

### Dual Headphones

Low-cost headphones provide faithful sound reproduction. Lightweight, comfortable; adjust to fit anyone. Removable ear cushions. Choice of 2000-ohm, or 600-ohm impedance. 5' cord, 1/4" phone plug. 1 lb.  
 17 C 6220. 2000 Ohms..... 6.95  
 17 C 6221. 600 Ohms..... 6.95

### HS-2000 "Teleset" Phones

High-quality dual headset is ideal for Amateurs, CB'ers, shortwave listeners, others. Magnetic element for speech clarity. Adjustable spring-type stainless steel headband. Response: 50-10,000 Hz. Imp.: 2000 ohms. 5' cord, 1/4" phone plug.  
 17 C 6070. Wt., 8 oz..... 14.95



### A Headset with Boom-Mike

BMH-1. Comfortable, lightweight (only 3 1/2 oz.) headset. For aircraft pilots, ship-to-shore radio operators, television, radio and switchboard use. Tone armis pipe sound to ears. Boom rotates 30°. Single cord allows freedom of movement. Headset impedance, 500 ohms. 50-ohm noise-cancelling carbon mike. 5-ft. cord with two 1/4" phone plugs. Shpg. wt., 1 lb.  
 17 C 6063. \$5 Monthly..... 37.25

### C Dual Headset, Boom Mike

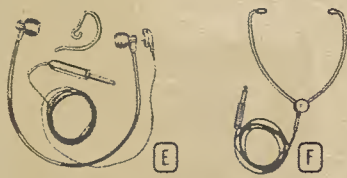
MRB-45. "Mogna-Twin" Mork III. Designed for use in general communications. Magnetic headset elements have 50-10,000 Hz response. Carbon boom-mike, 50-6000 Hz. Headset 500-600 ohms; mike, 20 ohms. 1/4" phone, mike plugs. 2 lbs.  
 17 C 6062. \$5 Monthly..... 30.95  
 17 C 6051. Model MR-6. Headset less mike. 500-600 ohms. 1 lb..... 18.95  
 17 C 6053. Model MR-4. Headset less mike. 10,000 ohms. 1 lb..... 18.95

### B "Twinset" Headphones

HTW-2. Perfect headset for pilots, Hamis, CB'ers, TV and radio crewmen, language labs, secretaries. Lightweight and comfortable. Sound is fed directly into ears through adjustable arms. Background sounds remain intelligible. Magnetic receiver elements rest at temples. Weighs only 1.6 oz. 5' cord, 1/4" phone plug, 500 ohms.  
 17 C 6262. Wt., 10 oz..... 14.50  
 17 C 6047. Model HTX-2. As above, but 1000 ohms..... 14.50

### D Single Phone, Boom Mike

MRB-75. "Magna-Twin" Mark III. Versatile headphone/mike for professional use. Magnetic headset element has response of 50-10,000 Hz; carbon boom mike, 50-6000 Hz. Impedances: headset, 500-600 ohms, mike, 20 ohms. Mike boom cannot accidentally rotate mike out of position. With 5' cord with 1/4" phone plugs. Gray. Wt., 1 lb.  
 17 C 6390. \$5 Monthly..... 24.95  
 17 C 6391. Model MR-11. Less mike, 500-600 ohms. 1 lb..... 12.50



### E "Tele-Fi" Headset

Under-the-chin headset delays sound to one ear for better clarity. Response: 60-6000 Hz. Earloop for one-ear listening. 5' cord, 1/4" phone plug. Wt., 1 lb.  
 17 C 6149. Model HFR-91. 15 ohms.... 5.95  
 17 C 6154. Model HFY-91. 2000 ohms.... 5.95  
 17 C 6216. Replacement Cord, 3 oz.... 2.25

### F HMY-2 Secretary's Monoset

Weighs only 1.2 oz. Worn under chin for convenience; keeps headset cord from getting in the way. Ideal for use in transcribing from office dictation equipment. Has magnetic element, metal housing, removable earplugs. Response: 50-5000 Hz. 2000-ohm imp. 5' cord, 1/4" phone plug. Maximum input, 25 mW. Replacement cord: "Tele-Fi," above.  
 17 C 6184. Shpg. wt., 8 oz..... 7.95

## Superex General-Purpose and Language Lab Headphones



### Headset for Language Lab and Communications Use

AP-5. Lightweight headset for prolonged use. Vinyl-covered ear cushions. Response: 80-12,000 Hz. Factory connected for hi-impedance 600-ohm output. Leads may be changed to 4-16 ohms. 7' 4-cond. cord, 1/4" plug. Wt., 3 lbs.  
 17 C 6302. \$5 Monthly.... 24.95

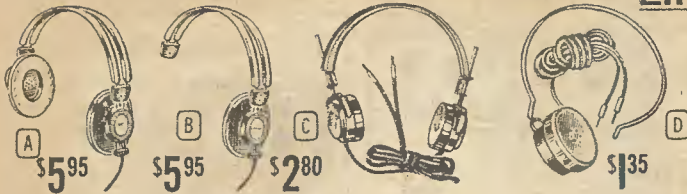


### New "Communicator" Communications Headset

COM-5. Extremely sensitive headset for all communications use. Fully adjustable headband; vinyl-covered foam filled cushions. Dynamic elements. 100-10,000 Hz. 4-16 ohms. 7' 2-cond. cable, 1/4" plug.  
 17 C 6309. Wt., 1 lb..... 13.95



# Big Values in Headphones and Accessories



## A Deluxe Dual Headphones

Excellent quality for Amateurs, CB'ers. Lightweight, vinyl-covered double headband. Adjustable earpieces, with removable cushions. Heavy-duty 5-foot cord with standard 1/4" phone plug. Gray color. Shpg. wt., 1 lb.  
 17 C 6227. 2000 Ohms..... 5.95  
 17 C 6226. Above. 8 ohms. 1 lb. 5.95

## B Deluxe Single Headphone

For monitoring and other uses. Perfect for mobile CB, since some States permit only a single mobile phone. Vinyl-covered headband, removable ear cushion, 1000 ohms. 5' cord, standard 1/4" phone plug.  
 17 C 6228. Shpg. wt., 1 lb..... 5.95

## C Low-Cost Dual Headphone

General-purpose for Amateurs, shortwave listening. Vinyl-covered adj. headband. Hyflux Alnico magnets. 1 7/8" diaphragm. 4 1/2-foot cord with phone tips. Terminals inside earpiece.  
 17 C 6083. 2000 Ohms. 1 lb..... 2.80  
 17 C 6215. Above, but 11 ohms. With standard 1/4" phone plug. 1 lb. 3.25

## D Low-Cost Single Headphone

Dependable headphone for hard-of-hearing use, receiver and crystal set monitoring, other applications. 1 7/8" diaphragm. 4 1/2' cord, phone tips. Spring-metal headband, permanently attached. 1000 ohms.  
 17 C 6085. Shpg. wt., 8 oz..... 1.35

LINCOLN



\$17.95

## Headset with Boom Mike

- Earcushions Block Outside Sound
- Sensitive Ceramic Boom Mike

Lightweight dual headset with boom mike for Hams, CB'ers, language labs, others. Earpieces have extra-heavy-duty magnets for clear voice reproduction. Vinyl-covered headband. Removable, washable ear-cushions. Sensitive mike has ceramic element. Cord has phone plug for Hi-Z mike and 2000 ohm headset. Gray.  
 17 C 6230. Wt., 1 1/2 lbs. .... 17.95

## Low-Cost Headphone Accessories



**Vinyl Earcushions.** Ear-encompassing—reduce external noises to a minimum. Fit standard earpieces. Provide maximum comfort for long hours. Washable vinyl covering. Shpg. wt., 2 oz.  
 17 C 6203..... Per Pair 70¢



**Rubber Earphone Cushions.** Provide comfortable listening over long periods and reduce external noise. Fit standard earpieces. 3 oz.  
 17 C 6103. 1-9 Pairs..... Per Pair 65¢  
 10 or More Pairs..... Per Pair 60¢



## E Cannon Headphone Set

Allows you to listen privately. Also can be operated with speaker. Aids hard-of-hearing. Control box has volume control and speaker/phones switch. Includes dual headset, control box, 15' cord.  
 17 C 6135. Wt., 2 lbs..... 7.95



## F Telex Private Listener

LCP-93. For private TV, radio, mono hi-fi listening. For hard of hearing, too. Volume control. Jacks for 2 earpieces—one is for standard 1/4" phone plug. 15' cord with miniature plug. 1 earpiece.  
 17 C 6231. Shpg. wt., 1 lb..... 9.50



## G Pillow Speakers H

**G Thora Test PS-8.** Audible only to the user. Allows private listening anywhere. May be used with transistor radios, or across voice coil leads with other speakers. Impedance, 8 ohms. With 6' cord and miniature phone plug. 5/8x2 1/4".  
 17 C 6092. Shpg. wt., 6 oz..... 3.95

**H Telex SDN-2A.** Provides outstanding sound fidelity for private listening through a pillow or held close to the ear. VA hospital approved. Stainless steel, easily sterilized. Dynamic speaker has handy hanger ring. 3.2 ohms impedance. Insulated. 1 1/2x3 3/4". 5' cord, std. 1/4" phone plug.  
 17 C 6246. Shpg. wt., 12 oz..... 6.95

## Fedtro Earphone Set

(Not illus.) Control box has vol. control, 17' cable, 2 jacks, 1 jack mutes speaker for earphone listening; other for earphone with speaker.  
 17 C 6217. Wt., 1 lb. Japan... 5.10

## ALLIED H-876 Deluxe Stereo Hi-Fi Headphone

Provides amazing channel separation and realism. Features individual vol. balance controls on each earcup. Foam earcushions block out external noise. Adjustable headband. Cushions, headband are washable. 16-16,000 Hz. Imp.: 3-16 ohms. 8' cord, standard 1/4" phone plug. Wt., 1 1/4 lbs.  
 20 C 9508. \$5 Monthly..... 19.95



## ALLIED H-878 Low-Cost Stereo Hi-Fi Headphone

Large 3 1/2" transducers in each earcup surround listener with full-dimensional music. Vinyl earcups remove for cleaning. Adjustable vinyl-covered foam rubber headband. Charcoal gray. Response: 30-15,000 Hz. Impedance: 3-16 ohms. 8' cord and standard 1/4" phone plug. Shpg. wt., 1 1/4 lbs.  
 20 C 9579..... 11.95





# Values in Ham Accessories for Your Station

## Ameco Nuvistor Converters and Preamplifiers



**A** Ameco PV-50 Nuvistor 6-Meter Pre-amp. Boosts gain and reduces noise when used ahead of your converter, receiver, or transceiver. Uses 6CW4 high-gain nuvistor. Two tuned circuits for good image and spurious-signal rejection. Gain, over 20 dB. Requires 100-150 V at 10 mA, 6.3 V at 150 mA. 17 C 9692. 2½x2x3¼". 1 lb. . . . 13.95

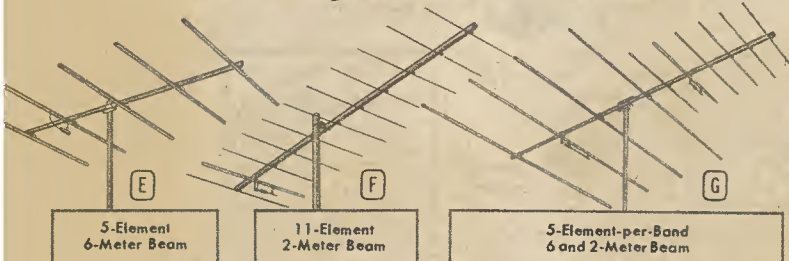
**B** Ameco CN-144W Nuvistor 2-Meter Converter. Three nuvistors, plus one tube, for high gain and low noise. Image and spurious-signal rejection better than 70 dB. IF rejection better than 100 dB. Requires 100-150 V at 30 mA and 6.3 V at 1 amp, or PS-1W supply below. 2x2½x6½". 17 C 9688. 2 lbs. \$5 Monthly. . . . 49.95

Ameco PS-1W Power Supply. (Not illus.) 110 VAC. For PV-50, CN-144 W. 2½x4½x4½". Shpg. wt., 4 lbs. 17 C 9695. . . . 12.95

**C** Ameco PT All-Bond Frame-Grid Pre-amp. A 6-160 meter preamp for use with transceivers. Continuous tuning. Frame-grid pentode handles strong signals, maintains low noise level. Greatly improves receiver sensitivity. Transfer circuit bypasses preamp during transmission. Provision for feeding antenna input and muting a second receiver. 5½x3¼x3". 110-120 V, 50-60 Hz AC. Shpg. wt., 5 lbs. 17 C 9689. \$5 Monthly. . . . 49.95

**D** Ameco PCL-P Nuvistor All-Bond Pre-amp for 6 Through 160 Meters. Two nuvistors in cascade for noise figures of 1.5 to 3.4 dB, depending on band. Boosts weak-signal performance of any receiver. Overall gain, better than 20 dB. Built-in power supply for 110-120 V, 50-60 Hz AC. Size, 5½x3¼x3". Shpg. wt., 2 lbs. 17 C 6612. \$5 Monthly. . . . 33.95

## Cush-Craft High-Performance VHF Antennas



**E** A50-5 6-Meter Beam. Five-element, all-aluminum 50-MHz beam provides 9.5 dB gain, excellent pattern control, and high F/B ratio. Mounts horizontally or vertically. Boom, 12'. Driven element for 52 or 72 ohms. For masts up to 1½". Shpg. wt., 14 lbs. 17 C 9572 ZW. \$5 Monthly. . . . 21.50  
17 C 9573 X. A55-SK Stocking Kit. For stacking two A50-5 beams. Adds 3 dB. Shpg. wt., 2 lbs. . . . 4.95

**F** A144-11 2-Meter Beam. Eleven-element aluminum array provides 13 dB gain, 28 dB F/B ratio. Can be mounted horizontally or vertically. Boom, 12'. Solid elements. Driven element for direct 52 or 72-ohm coaxial feed. For masts to 1½". 17 C 9574 ZW. Shpg. wt., 8 lbs. . . . 14.95  
17 C 9575 X. All-SK Stocking Kit. For stacking two A-144-11's. 2 lbs. . . . 4.95

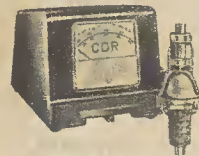
**G** Model A26-9 6- and 2-Meter Beam. Get a better signal with present power. A good antenna makes the big difference. Excellent gain and front-to-back ratio. A no-compromise dual-band VHF beam with separate elements on 6 and 2 meters. Engineered for minimum interaction between sections to provide maximum operating efficiency. Ideal for limited space.

Boom and 6-meter elements are of thick-wall, seamless, bright aluminum tubing; the 2-meter elements are ¾" solid aluminum rod, preassembled on the boom.

Driven elements are "Reddi Match" for direct 52 or 72-ohm coaxial feed and 1:1 SWR. Uses two separate coaxial transmission lines. Shpg. wt., 16 lbs. Express. 17 C 9571 ZW. \$5 Monthly. . . . 29.95

Model AM-26 6 and 2-Meter Mobile Holo. Single feed line. No tuning or switching needed. 52-ohm match. With 9' telescoping mast. 17 C 9579 X. Shpg. wt., 5 lbs. . . . 18.95  
17 C 9580 X. AM-2M. Halo for 2 meters. With 9' mast. 4 lbs. . . . 9.95  
17 C 9581 X. AM-6M. Halo for 6 meters. With 9' mast. 4 lbs. . . . 13.95

## CDR Beam Antenna Rotator Systems



TR-44 Series III Rotator \$69.95 \$5 monthly

CDR TR-44. Rotator has 48 heavy-duty bearings in two 6½" ball races. Average torque, 450 inch-pounds. Indicator calibrated in compass points and 3° increments. Readable with motor off. For masts up to 2½" O.D. Order 8-conductor cable below. For 110-120 V, 50-60 Hz AC. 19 lbs. 17 C 9481 X. \$5 Monthly. . . . 69.95

55 C 7536. Belden 8448 8-Conductor Cable. 100-ft. coil. 5 lbs. . . . 7.75

CDR HAM-M. (Not illus.) Extra-heavy-duty rotator, supports over 1000 lbs. Indicator as above. 8-conductor cable below. 25¾ lbs. 17 C 8025 U. \$7 Monthly. . . . 129.95

55 C 7536. Belden 8448 8-Conductor Cable. 100-ft. coil. 5 lbs. . . . 7.75



## 5-Position 1-kW Coax Switch

\$8.95 • 80-10 Meters • Five Positions

Two-pole, 5-position coax switch rated 1 kilowatt, 80 through 10 meters. Wt., 3 lbs. 17 C 6444. . . . 8.95

## Low-Loss Coaxial Cable with Foam Polyethylene Dielectric

\$8.50

50' Coil



- For Ham, CB, Commercial Use
- Handles Up to 2 Kilowatts
- Minimum Attenuation
- PL-259 Connector on Each End

High-quality RG-8U cable at exceptionally low cost. Ideal for Ham or CB'er. Features low-loss foam polyethylene insulation for minimum attenuation at high frequencies and a premium, Type II, non-contaminating PVC jacket that even allows burial. You'll get more power to your antenna by replacing your old, higher loss line. 50-ohm impedance, and handles up to 2000 watts of RF below 30 MHz. Tough weather-resistant black vinyl jacket. Amphenol PL-259 coaxial connector at each end. 17 C 8519 50' Coil. 7 lbs. . . . 8.50  
17 C B522. 100' Coil. 11 lbs. . . . 13.95



# Selected Amateur Beams, Towers and Accessories

NEW

NEW

New-Tronics  
"Cliff-Dweller"

Save Up to  
\$16.82



Beam Antenna Packages  
Include CDR TR-44 Rotator,  
100' Coax, PL259 Connectors

\$159<sup>95</sup>

\$8 monthly

- Small Rotatable Dipole
- Covers 40-75 Meters



## Hy-gain "Thunderbird" Beams

**A** TH-3Jr "Thunderbird Junior Tri-Bander" Package. Three-element beam for 10, 15, and 20 meters. Rated 600 watts PEP. 12' 8" turning radius. CDR TR-44 Rotator, 100 ft. RG8/U Coax, two PL259's. 59 lbs.

17 C 0017 LZ. \$8 Monthly. . . . 154.95  
17 C 9472 ZW. TH-3Jr Beam Antenna Alone. Shpg. wt., 28 lbs. . . . 84.50

**A** TH3MK3 "Thunderbird Tri-Bander" Package. Three-element beam for 10, 15, and 20 meters. Improved version of TH3MK2. Handles maximum legal power. 14-ft. boom; longest element, 28-ft.; turning radius, 14' 8". CDR TR-44 Rotator. 100 ft. RG8/U Coax, PL259's. 67 lbs.

17 C 0006 LZ. \$10 Monthly. . . . 197.95  
17 C 8755 ZW. TH3MK3 Beam Antenna Alone. Shpg. wt., 36 lbs. . . . 124.95

**B** TH-6DXX "Super Thunderbird Tri-Bander." 1 kW beam. Improved version of TH-6DX. Gain, 8.7 dB on 10, 15, and 20 meters. "HY-Q" traps. Boom, 24 ft. Longest element, 31 ft. Turning radius, 26 ft. Requires HAM-M Rotator (facing page). Wt., 60 lbs.

17 C 6605 ZW. \$8 Monthly. . . . 159.95

## Mosley Beam Antennas

**C** TA-33Jr Beam Package. Trapmaster for 10, 15, 20 meters. CDR TR-44 Rotator System, 100 ft. RG8/U, 2 PL259's. 1000 W. PEP. Boom, 12'; turning radius, 14' 9".

17 C 0794 LZ. 59 lbs. \$8 Mo. . . . 151.38

17 C B7B7 ZW. TA-33Jr Beam Antenna Alone. Wt., 28 lbs. \$5 Monthly. . . 84.30

17 C 8329 X. MPK-3 Conversion Kit. For TA-33Jr, TA-31Jr, TA-32Jr—boosts rating to 750 watts AM, 2 kW PEP. Shpg. wt., 10 lbs. \$5 Monthly. . . 2B.56

**C** Classic 33 Beam. Larger version of TA-33. Rated 1 kW. Gain 8 dB; F/B ratio, 20 dB. SWR, 1.5:1 or less. Longest element, 27 ft.; boom, 18 ft.; turning radius, 16 ft. Requires CDR HAM-M Rotator. Shpg. wt., 47 lbs.

17 C 9496 ZW. \$7 Monthly. . . . 131.95

**D** MP-33 "Tig-Array" Beam. Three-elements. 750 watts AM, 2 kW PEP on 10, 15, 20 meters. Gain, 8 dB; F/B ratio, 20 dB; SWR, 1.5:1. Turning radius, 15 ft., 28 lbs.

17 C 8330 ZW. \$5 Monthly. . . . 95.83

17 C 8328 X. TA-40KR 40-Meter Converter Kit. For Classic 33. MP-33. Shpg. wt., 10 lbs. \$5 Monthly. . . . 51.71

CD-40-75 "Cliff-Dweller" Antenna. Remotely tuned, rotatable dipole for 40 and 75 meters. Specially designed for use where antenna space is limited. No traps or baluns needed, no special matching requirements. Can be fed with any length of coax. Handles a full kilowatt, with SWR of 1.1 to 1 or less across the entire band. Has variable feedpoint.

Two motors and gear trains operate the tunable elements; separate motor handles bandswitching. Constructed of heat treated and chrome plated brass tubing. Mounts on 1 1/4" threaded pipe. Motor housings are iridized diecast aluminum. Resonators and housings are completely waterproof. Element length, 26' to 31'6"; turning radius, 15'8". Includes remote control box. Shpg. wt., 58 lbs. Shipped Express from Factory, Cleveland, Ohio—No COD—Allow 30 Days.

17 C 6141 LZ. \$8 Monthly. . . 159.95

## E-Z Way Heavy-Duty Tiltover Towers with Mounting Accessories



Low As

\$159<sup>00</sup>

\$8 monthly

- Galvanized Steel
- Diagonal Bracing
- Built-in Ladders

Towers designed for the Ham and his beam. Simple to install—and they tilt over for easy antenna adjustment. Require no guy wires. Choice of "Wonder Ground Post" or building attachment kit. Installs with post-hole digger, no concrete needed. Specify antenna rotator to be used. Towers shipped prepaid from Tampa, Florida. Send remittance with cash orders—no C.O.D. Free literature available—ask for Stock No. 17 C 8829.

### Towers with Building Attachment Kit

Stock No.	Type	Ht.	*Ant.	EACH
17 C 8838 ZF	BHD-40	40'	3.4	159.00
17 C 8839 ZF	BRBS-40	41'	7.2	247.50
17 C 8840 ZF	BRBS-50	51'	7.2	321.00
17 C 8841 ZF	B6046	60'	3.4	292.00
17 C 8842 ZF	BRBX-60	60'	7.2	480.50

### Towers with Wonder Post for Tiltover

Stock No.	Type	Ht.	*Ant.	EACH
17 C 8843 ZF	WHD-40	40'	3.4	208.00
17 C 8844 ZF	WRBS-40	41'	7.2	320.00
17 C 8845 ZF	WRBS-50	51'	7.2	438.00
17 C 8846 ZF	W6046	60'	3.4	364.50
17 C 8847 ZF	WRBX-60	60'	7.2	596.50

\*Maximum square feet in 60-mph wind with no guy wires.

## Useful Amateur Station and Antenna Accessories



**E** Hy-gain C1 Center Insulator. For doublet antennas. Takes 1/4-in. or 3/8-in. coax. Less insulators below.

17 C B351. Shpg. wt., 1 lb. . . . 4.95

**E** 17 C 6249. End Insulators. 7-in. long. Less C1 above. 1 lb. . . . Pair 2.95

**F** Johnson 250-23-3 Matchbox. 52 ohms to 25-1500 ohms balanced, 25-3000 ohms unbalanced. SWR meter. TR relay. Rated 750 W PEP. Wt., 15 lbs.

17 C 9527 X. \$5 Monthly. . . . 94.95

17 C 9528 U. Above, 3 kW PEP. 154.50

**G** Bud LF-601A Low-Pass Filter. Rated 1 kW, 80-10meters. Cutoff at 42 MHz. 52-72 ohms.

17 C B457. Shpg. wt., 3 lbs. . . . 23.60

**H** Cush-Craft "Blitz-Bug" Coax Lightning Arrester. Prevents coax punctures from high SWR. Type 83 connectors.

17 C B044. Shpg. wt., 4 oz. . . . 3.95

**I** Drake TV-1000-LP Low-Pass Filter. Rated 1 kW, 80-10m; 200 watts on 6m. Cutoff at 52 MHz. 52-ohms.

17 C 8455. Shpg. wt., 2 lbs. . . . 16.95

**K** Johnson 250-20 Low-Pass Filter. Rated 1 kW, 80-10 meters; 200 watts on 6 meters. Down 75 dB at 54 MHz. 4 lbs.

17 C 9525. . . . 14.95

**L** Johnson 250-39 TR Switch. Switches antenna between receiver and transmitter. Rated 4 kW. Needs no tuning. Coax fittings. For 115 V, 50-60 Hz AC. Shpg. wt., 5 lbs.

17 C 8305. \$5 Monthly. . . . 29.95

**M** Bumper Mount. Stainless steel. Fits any size bumper. No holes to drill. Shpg. wt., 3 lbs.

17 C 6606. . . . 6.95

**N** Body Mount. Durable stainless steel mounting with standard 3/4"-24 fitting. Shpg. wt., 3 lbs.

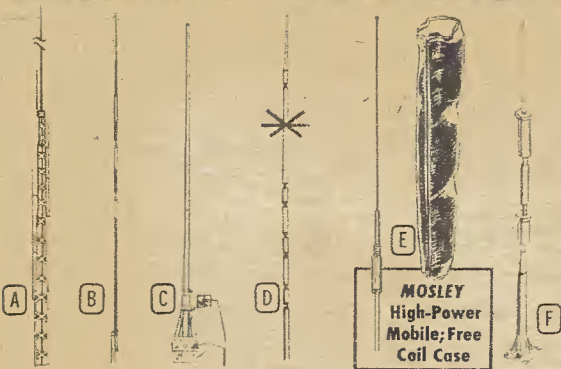
17 C 6607. . . . 7.95

**P** Heavy-Duty Stainless Steel Whip Spring. For any size whip antenna. Standard 3/4"-24 fittings. Will keep its tension with the roughest use. Shpg. wt., 2 lbs.

17 C 6609. . . . 7.25



# Fixed/Mobile Ham Antennas.. Station Accessories



## Popular Multiband Antennas

**A** Hy-Gain 18-HT "Hy-Tower" for 10-80 Meters. 50-feet high. Power rating well over legal limit. X-braced. Stub decoupling. Impedance, 52 ohms. With base insulators. Requires coax and ground rod.  
17 C 8769 ZW. Shpg. wt., 108 lbs. \$8 Monthly... 159.50

**B** Hy-Gain 18-AVG Trap Vertical for 10-80 Meters. Easily-erected 32-ft. vertical gives outstanding DX performance. Has four separate tuned traps, factory peaked for top coverage. One kW AM, two kW PEP. 52 ohms. Requires coax, ground rod.  
17 C 9295 ZW. Shpg. wt., 15 lbs. \$5 Monthly... 54.95

**C** Hy-Gain 18-V Trapless Vertical for 10-80 Meters. Low-cost 18-ft. vertical tunes 10-80 meters by changing coil taps. Heavy aluminum-tubing radiator, heavy base insulator. 52 ohms. Requires coax.  
17 C 6043 X. Shpg. wt., 5 lbs. .... 18.95

**D** New-Tronics 4BTV Vertical for \*80-10 Meters. Aluminum. Precisely tuned hi-Q traps. Rated 1 kW. Tunable. 19'8" high. 52 ohms. SWR 1.5:1. \*80 meters with RM-75S resonator left. Requires coax.  
17 C 9489 ZW. Shpg. wt., 15 lbs. \$5 Monthly... 35.95

**E** Masley "Lancer 1000" High-Power Vertical Mobile Antenna for 10-80 Meters. 10-80 meters with easily interchangeable coils. 2 kW PEP, 1 kW AM. Free black canvas zipper coil case. Hinge for folding over antenna. Anti-corona ring, coupler, peaking adjustment. 9'7" high. Requires coax.  
17 C 9491 X. Shpg. wt., 6 1/4 lbs. \$5 Monthly... 79.61

**F** Masley RV-4 Trap Vertical for 10-40 Meters. Similar to the popular TA-33. Rated 2kW PEP, 750 watts AM. SWR. 1.5:1. 52 ohms. 20'8" high. Requires coax.  
17 C 9493 ZW. Shpg. wt., 10 lbs. \$5 Monthly... 35.13

17 C 9494 X. Masley RV-4RK Radial Assembly for RV-4. (Not illus.) Counterpoise to allow RV-4 to be mounted on roof. 4 1/2-ft. mast, wire for two 22-ft. radials and two 12-ft. radials. hinged mounting bracket, hardware, sealer, insulators, instructions. 6 lbs. .... 19.36

**G** Hy-Gain HD-4 Single-Band Doublet. 80-meter doublet with cutting instructions for 10-40 meters. Rated 500 watts. With copper-clad wire, insulators, hardware, 50 ft. of RG-58/U coaxial cable.  
17 C 6171 X. Shpg. wt., 3 1/4 lbs. .... 9.95

Hy-Gain 5BDQ Multiband Doublet for 10-80 Meters. (Not illus.) Rated 1 kW. Requires coax.  
17 C 8774 X. Shpg. wt., 10 lbs. \$5 Monthly... 44.50

### New-Tronics Hustler Mobiles

**H** Single-band resonators and foldover 54-in. masts (order separately). \*Super Hustler rated 2 kW PEP †Standard Hustler, 400 W. PEP. 3 3/8"-24 stud. 52 ohms. 75-97" high. 1 1/2 lbs.

Stock No.	Type	Description	EACH
17 C 9205 X	*RM-10S	10-meter resonator	11.50
17 C 9206 X	*RM-15S	15-meter resonator	13.50
17 C 9207 X	*RM-20S	20-meter resonator	15.50
17 C 9208 X	*RM-40S	40-meter resonator	19.50
17 C 9209 X	*RM-75S	75-meter resonator	24.50
17 C 9867 X	†RM-10	10-meter resonator	7.50
17 C 9866 X	†RM-15	15-meter resonator	8.50
17 C 9859 X	†RM-20	20-meter resonator	9.50
17 C 9865 X	†RM-40	40-meter resonator	11.50
17 C 9864 X	†RM-75	75-meter resonator	13.50
17 C 9879 X	MO-1	Mast for fender mtg.	8.95
17 C 9882 X	MO-2	Mast for bumper mtg.	8.95



Model BIU

### Ameco BIU Bridge Indicator Unit

SWR, percentage of power, percentage of voltage on 3 scales when used with Model SWB below or other bridge. 100-uA, 2 1/2" square meter. 3x5x2 3/4".  
17 C 9082. Shpg. wt., 1 lb. .... 15.95



Model SWB

### Ameco SWB Standing Wave Bridge

SWR from 1.8-225 MHz. 1 kW. Can be left in line. No line loss. With two SO-239 connectors. 2 1/4 x 4 1/2 x 1 5/8".  
17 C 9081. Shpg. wt., 1 lb. .... 9.95

### Amateur and Special-Purpose Crystals

Peterson PR-Type Z-9C Transmitting Crystals. Pin spacing, .486". Pin dia., .093". Tolerance, ±.03%. Black phenolic holder. Size, 1 1/8 x 1 1/16 x 7/16". Specify frequency; supplied within ±5 kHz. Wt., 3 oz.

Stock No.	Frequency (kHz)	Stock No.	Frequency (kHz)	EACH
17 C 9379 CS	1800-2000	17 C 9403 CS	7000-7334	2.95
17 C 9381 CS	3500-4000	17 C 9402 CS	8000-8229	2.95
17 C 9380 CS	6740-6800	17 C 9404 CS	8350-8449	2.95

CTS Knights H-173 Amateur Crystals. Low-current types. Pin spacing, .486". Pin dia., .050". Special Order: allow 30 days delivery. 3 oz. Specify freq.

Stock No.	Frequency	Tolerance	EACH
17 C 9382 CF	1.8-40 MHz	±.005%	4.95
17 C 9383 CF	41-54 MHz	±.005%	5.95

H-17 Frequency-Standard. .050" pin dia. .486" spacing. 3 oz.  
17 C 9384 S. H-17T. 100 kHz. .... Each 6.95  
17 C 9385 S. H-17. 1000 kHz. .... Each 7.95

Special-Application Crystals. .486" spacing; .093" pin dia. 3/4 x 2 23/32 x 7/16". \*3rd overtone. Shpg. wt., 3 oz.

Stock No.	Type	Frequency	Tolerance	Application	EACH
17 C 9386 S	H-17L	4.5 MHz	±.005%	TV alignment	4.80
17 C 9387 S	H-17L*	27.255 MHz	±.005%	Radio control	2.50



Drake W-4  
2 kW RF  
Wattmeter

\$49.50  
\$5 monthly



Drake MN-4  
Coupler

\$90.00  
\$5 monthly

### Accessories for Increased Efficiency

**K** Drake W-4 RF Wattmeter. Reads forward and reflected power directly in watts (VSWR from nomogram). Two scales in each direction. 200 and 2000 watts full scale. Accuracy, ±5%. 5 1/2 x 3 3/4 x 4".  
17 C 8245 X. Shpg. wt., 4 lbs. \$5 Monthly... 49.50

**L** Drake MN-4 Matching Network. Matches transmitter to your antenna for low SWR and more power. Has built-in VSWR meter and RF wattmeter. Covers 10-80 meter Ham bands. 200 watts. 5 1/2 x 10 3/4 x 8".  
17 C 8246 U. Shpg. wt., 5 lbs. \$5 Monthly... 90.00  
17 C 8247 U. Above, but 2000 watts PEP. 10 lbs. 175.00



# Values in Popular Amateur Accessories

World Time

\$59.50



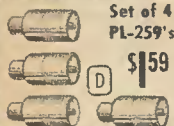
24 Time Zones

\$12.95



24-Hour Clock

\$15.00



Set of 4 PL-259's

\$1.59

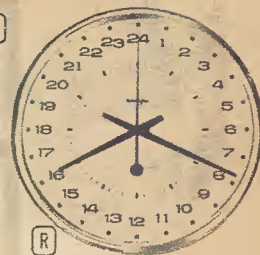
\$19.95



\$9.45



Balun \$14.95



12-Inch 24-Hour Clock

Noise Filter

\$3.45



95¢



Mike Clip

79¢



Calculator

\$1.00



\$19.95



24-Hour Clock \$8.95

FS Meter

\$5.95



SWR/FS Meter

\$9.95



\$16.95



**A** Seiko World-Time Calendar Watch. Stainless steel, 17-jewel, automatic-winding wrist watch with link bracelet. Waterproof. Shows GMT, local, world time. Has second hand, 24 and 12-hour dials. This is a quality constructed, precision timekeeper. From Japan. Shpg. wt., 3 oz.  
17 C 9413 S. \$5 Monthly. . . . . 59.50

**B** 24-in-1 World Time Zone Clock. Gives time anywhere in all 24 time zones. Stands on any flat surface, or can be wall-mounted. Includes time-conversion booklet. Case of 22-gauge steel is 8x8x2 3/4". For 110-120 V, 60-Hz AC. Wt., 3 lbs.  
17 C 8990 X. . . . . 12.95

**C** Pennwood 100-24H Direct-Reading 24-Hour Clock. Digital-readout dial shows hours and minutes. Ideal for accurate log-keeping. Ebony case. Size, 4x7 3/4 x 4". For 110 V, 60 Hz AC operation. Shpg. wt., 5 lbs.  
17 C 8474. . . . . 15.00

**D** Four PL-259 Coaxial Connectors. MIL type. New—not replated. 1 lb.  
17 C 6643. . . . . Pkg. of 4 for 1.59

**E** Hy-Gain LA-1 Coaxial Lightning Arrester. Has SO-239 fittings; flange. For 52 or 72 ohms. Needs ground. 1 lb.  
17 C 6566. \$5 Monthly. . . . . 19.95

**F** Tunable Car Alternator Noise Filter. Attenuates noise in alternator-equipped cars for quieter mobile reception. Body, 3x1 3/8" dia.; has 1/8" mtg. holes on 2 3/4" ctrs. 8 oz.  
17 C 8980. . . . . 9.45

**G** Hy-Gain 8N86 Balun. Takes up to 2 kW PEP, from 3-30 MHz. 1:1 transformation ratio. For any 52-ohm balanced antenna system. Weather sealed. Mounting hardware for 1 3/8" to 2 3/8" dia. boom or mast. 2 lbs.  
17 C 8240. . . . . 14.95

**H** Generator Noise Filter. Eliminates noise. Trimmer capacitor for tuning 3 thru 30 MHz. With mtg. bracket. Shpg. wt., 5 oz.  
17 C 8512. . . . . 3.45

**J** Ameca HP-45 High-Pass TVI Filter. Rejects everything below 45 MHz. For 300 ohms. Shpg. wt., 3 oz.  
17 C 8463. . . . . 95¢

**K** Magnetic Mike Clip. Excellent for mobile use. Wt., 3 oz.  
17 C 6461. . . . . 79¢

**L** Electro-Voice DX Calculator. Circular calculator puts DX data at your fingertips. Shows time differences, beam headings, postal rates, DX zones, much more. 10 1/2". Wt., 4 oz.  
17 C 8650. . . . . 1.00

**M** Low-Cost Field-Strength Meter. Has four ranges covering 1.0 thru 250 MHz, and 200 µA movement. Size, 3 1/4 x 3 1/2 x 1 1/2". Shpg. wt., 10 oz.  
17 C 6589. . . . . 5.95

**N** SWR/Field-Strength Meter. Modestly priced unit checks forward/reflected power, 1:1-1.3:1 SWR, plus FS. Handles 1 kW, 2 thru 30 MHz. 100 µA, ±5%. Five-section telescoping antenna. Size, 6x2 1/4 x 2 3/4". Wt., 10 oz.  
17 C 6588. . . . . 9.95

**P** Peteresen Radio PR-100A Precision 100-kHz Transistor Oscillator. Checks harmonics at 100-kHz intervals through 54 MHz. Requires 6 or 12 VDC at 4-6 mA. Plug-in socket.  
17 C 6458. Shpg. wt., 1 lb. . . . . 16.95

**R** Mastercrafters 2405C Electric 24-Hour Clock. White 12" dial; black hands, numerals; red sweep hand. 1 3/2" dia. chrome-finish case. Self-starting. 117 VAC. U.L. Listed.  
17 C 8470 X. 5 lbs. \$5 Monthly. . . . . 19.95  
17 C 8471 X. Mastercrafters 2405G Clock. Similar to above, but gray case. Shpg. wt., 5 lbs. . . . . 17.95

**S** Mastercrafters 191 Clock. 24-hour dial. 8" chrome case. Shows world time. For 110 V, 60 Hz AC.  
17 C 8472. Shpg. wt., 1 1/2 lbs. . . . . 8.95



\$68.50

**T** Farmerie World-Time-Zone Clock. Battery-powered, jeweled Hamilton movement. Revolving 2-color 24-hour dial is divided into 24 world-time-zones. With battery. Solid walnut case, 8x9x4". Shpg. wt., 5 lbs.  
17 C 8994 X. \$5 Monthly. . . . . 68.50

**W** Wall World-Map/Clock. Combines clock and 5-color world map in walnut frame. Checks time, in 70 of the world's major cities. Adjustable, enlarged indicator for local standard and daylight time. 15x22x5". For 110-115 V, 60 Hz AC.  
17 C 9412 U. Shpg. wt., 5 lbs. \$5 Monthly. . . . . 49.95

\$49.95



Outfit Your Ham Station on Allied's Credit Fund Plan

ALLIED 211



# Values in Code Equipment and Accessories

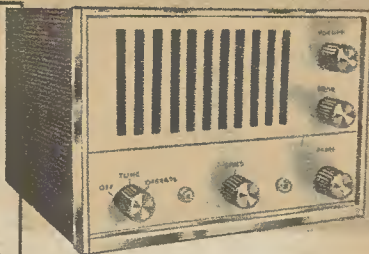


**Save Up to \$7.50**  
On HA-1 and "Vibro-Keyer"



Vibroplex "Vibro-Keyer"  
Keying Mechanism for  
Use With HA-1 or 717

**Save Up to \$5.50**  
On 717 and "Vibro-Keyer"



## Hallicrafters HA-1 "T. O." Keyer

**\$84.95**

- Helps You Send Code Accurately
- Timing Circuits of 10-30 and 35-75 wpm

Advanced electronic keyer uses digital techniques (10-30 and 35-75 wpm) for perfectly spaced, self-completing dots and dashes. Has monitor, speaker, headphone jack, neon keying indicator light. Rear connections for break-in operation and auxiliary control. Mercury-wetted relay. 5x7x7". Order key separately. 105-125 VAC. Wt., 9 lbs.

17 C 9119X. \$5 Monthly. . . . . 84.95  
17 C 0020 L2X. Hallicrafters HA-1 and "Vibro-Keyer". Save \$5.95. Shpg. wt., 12 lbs. \$5 Monthly. . . . . 99.95  
17 C 0021 L2X. Hallicrafters HA-1 and Deluxe "Vibro-Keyer". Save \$7.50. Shpg. wt., 12 lbs. \$6 Monthly. . . . . 104.95

Vibroplex "Vibro-Keyer" Keying Mechanism. Precision made key has trunion lever for fast, effortless sending; adjustable contact spacing and tension for individual preference. Contacts are designed for dependable long-life operation.

## Eico 717 Electronic Keyer Kit

**\$59.95**

- Sharp, Self-Completing Dots and Dashes
- Monitoring Oscillator, 3x5" PM Speaker

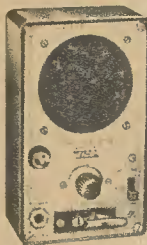
Excellent electronic keyer kit features 4 overlapping ranges from 3 to 65 wpm; sharp, self-completing dots and dashes. Has monitoring oscillator, 3x5" PM speaker. 5 tubes, 2 silicon rectifiers. Controls: function; off/tune/operate; 4-position speed range; speed vernier; monitor tone, volume. 5 1/2 x 8 x 8 1/4". 100-130 VAC. Shpg. wt., 10 lbs.

17 C 9492 X. \$5 Monthly. . . . . 59.95  
17 C 0022 L2X. Eico 717 and "Vibro-Keyer". Save \$4.95. Shpg. wt., 13 lbs. \$5 Monthly. . . . . 75.95  
17 C 0023 L2X. Eico 717 and Deluxe "Vibro-Keyer". Save \$5.50. Shpg. wt., 13 lbs. \$5 Monthly. . . . . 81.95

Attractive chrome finished parts. Beige-colored base has rubber feet, stays stable. Shpg. wt., 3 lbs.

17 C 8946. \$5 Monthly. . . . . 20.95  
17 C 8947. Deluxe "Vibro-Keyer". Chrome-plated base. 27.50

## Learn or Improve Your Code with a Code Practice Oscillator



Kit \$9.95



\$9.95 Ready for Easy Code Practice

**A** Eico 706 Oscillator Kit. Easy to assemble and so useful when it's finished. All-transistor unit has built-in 2 1/2" speaker, pitch control, headphone jack. Switch selects tone, flashing light, or both. 6 1/2 x 3 3/4 x 2 3/4". With battery. 2 lbs.

17 C 8627. Kit Form. . . . . 9.95  
17 C 8621. Factory Assembled. . . . . 14.95

**B** Hallicrafters HA-18A Code Practice Outfit. Assembled and ready for use. Designed for anyone desiring to learn the code. Outfit includes a portable solid-state battery-operated code oscillator, two penlight batteries, code practice key, and connecting wire. Has variable pitch control, built-in speaker, standard 1/4" headphone jack. Compact polystyrene case.

17 C 9080. Shpg. wt., 1 lb. . . . . 9.95

**C** Ameco OM Oscillator/Monitor Kit. Transistorized oscillator/monitor with built-in speaker, tone control, headphone jack. Monitors RF output without connection to transmitter. With instructions. Requires 2 "AA" batteries. 6 1/4 x 3 3/4 x 2 1/2".

17 C 9076. Kit Form. Shpg. wt., 2 lbs. . . . . 9.95  
17 C 9077. Factory Assembled. . . . . 12.50

**D** Ameco CPS-WT Oscillator. Deluxe factory-assembled oscillator. Has built-in 4" speaker, volume and tone controls. Can also be used as keying monitor. Size, 6 1/2 x 5 x 3 1/2". For 110-120 volts AC or DC. Shpg. wt., 4 lbs.

17 C 8722. . . . . 14.95



Kit \$9.95



Wired \$14.95

## Ameco C21A Speaker Assembly

**\$12.80**

- Aluminum Cabinet
- Crisp Response

Compact, efficient. Ideal for mobile or indoor use. Peaked for 300-3000 Hz. Big 4x6" 3.2-ohm speaker. Swivel gimbal-type mounting bracket. Screw terminals. With mounting hardware. Wt., 3 lbs.

17 C 9078. . . . . 12.80



## 572B/T160L SSB Power Triode

**\$17.95**

- Replaces 811A, but Dissipates 2 1/2 Times More Plate Power

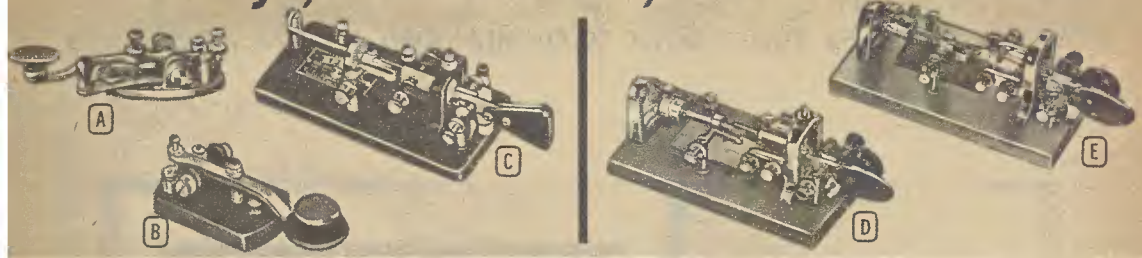
Ideally suited for grounded-grid instant-on, no-warmup linear amplifiers. As replacement for 811A it provides greater peak power capability and longer life. Compact envelope, rugged graphite anode, durable bonded thoriated tungsten filament. Zero bias, low operating voltage. Shpg. wt., 1 lb.

17 C 9079. . . . . 17.95





# Code Keys, Code Courses, Code Practice Aids

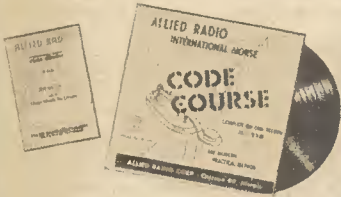


## Johnson Speed-X Code Keys

- A** 114-320 Standard Key. You'll get dependable service from this sturdy, quality hand key. Chrome-plated key arm suspended from hardened steel bearings. Navy-type knob.  $\frac{1}{4}$ " coin-silver contacts. Adjustable contact spacing and spring tension. Black base. Shpg. wt., 2 lbs. 17 C 8920. . . . . **5.25**
- B** 114-100-3 Deluxe Hand Key. Precision-made key has carefully tempered spring and hardened fine-point pivots for smoothest sending. Spring tension, contact spacing and bearing pressure are adjustable. Contact diameter, .072". Satin-brass finish. Shorting switch. 17 C 8912. Shpg. wt., 2 lbs. . . . . **8.95**
- C** 114-520 Semi-Automatic Key. Add lasting excitement to your shack with this beautifully designed key. You'll like its steady-as-a-heartbeat performance, sturdy construction, and feel of quality. Contact spacing and sliding weight easily adjust to desired speed. Has circuit-closing switch and  $\frac{1}{8}$ " coin-silver contacts. Rubber feet prevent marring finished surfaces. Heavily chrome-plated hardware. Black die-cast base. Shpg. wt., 4 lbs. 17 C 8921. \$5 Monthly. . . . . **19.95**

## Vibroplex Semi-Automatic Keys

- D** Deluxe "Original" Semi-Automatic Key. Easy-working "bug" of exceptional design and quality. Performance-tested, tough and durable, it will give you years of faultless service. For speeds from 10 wpm on up. Used by many veteran operators. Jeweled bearings, chrome-plated mechanism and base. Slip-proof rubber feet prevent marring of finished surfaces. Shpg. wt., 5 lbs. 17 C 8940. \$5 Monthly. . . . . **32.95**
  - E** "Presentation" Semi-Automatic Key. Beautifully crafted key with adjustable mainspring for wide speed range. Jeweled movement resists friction, prolongs life. Chromium parts, mounted on 24K gold-plated base top. Red knob, finger and thumb pieces. Rubber feet on bottom prevent slipping, preserve surface finishes. Wt., 5 lbs. 17 C 8942. \$5 Monthly. . . . . **43.95**
- Carrying Case.** (Not illus.) For all Vibroplex keys listed above. Protective cloth lining. Includes lock, key and handle. Shpg. wt., 2 lbs. 17 C 8944. . . . . **7.25**
- Cord and Wedge Set.** For above keys. Shpg. wt., 3 oz. 17 C 8945. . . . . **2.75**



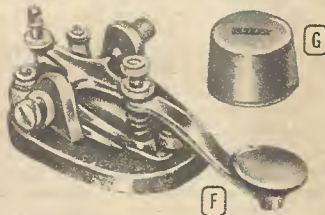
## Allied Code Course

A Sure-Fire Way to Learn or Improve Your Code **\$4.49**

Ten easy code lessons on one 12", 33 $\frac{1}{3}$  rpm LP record—calculated to advance you quickly to a speed of 15 words per minute. Table of International Morse Code is included on back of jacket. With instruction booklet containing lessons identical to those on record. 17 C 8573. Shpg. wt., 1 lb. . . . . **4.49**

## Rider Code Courses

- "Sight 'N' Sound" courses on 10", 33 $\frac{1}{3}$  rpm LP records. 17 C 8558. Novice Course. (0-8 wpm.) Three 10-inch LP's, 47 cards, and book. Shpg. wt., 2 lbs. . . . . **9.50**
- 17 C 8564. Advanced Course. (9-20 wpm.) Three 10-inch LP' records and book. Shpg. wt., 2 lbs. . . . . **8.95**
- 17 C 8565. Complete Course. (0-20 wpm.) Six 10-inch LP's, 47 cards, and book. Shpg. wt., 6 lbs. . . . . **15.95**

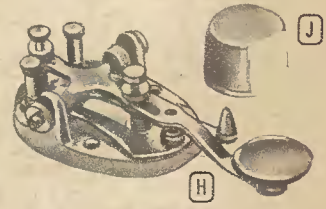


## Johnson Code Practice Aids

Low-Cost Hand Key Is Fully Adjustable **\$3.75**

**F** Johnson 114-310 Standard Key. Excellent for the beginner or the experienced operator. Designed for clear, easy sending. Made for hard usage, will last for years. Tension adjustment sets touch to a wide variety of tastes. Smooth adjustable bearings and "cushion contact" design provide smooth keying action. Mechanical parts are nickel-plated;  $\frac{1}{8}$ " silver contacts. Heavy die-cast base. Provision for plugging in semi-automatic key. 17 C 8903. Shpg. wt., 2 lbs. . . . . **3.75**

**G** Johnson 114-400 Buzzer. Practice code under ideal conditions. Learn to send properly made characters and to read code expertly. Constant-frequency buzzer with screw adjustment to vary high-frequency tone to your particular preference. Requires two 1 $\frac{1}{2}$ -V batteries (elsewhere in this Catalog). Shpg. wt., 5 oz. 17 C 8911. . . . . **2.00**



## Top-Value Key, Buzzer

Ideal for the Beginning Ham Both for **\$2.99**

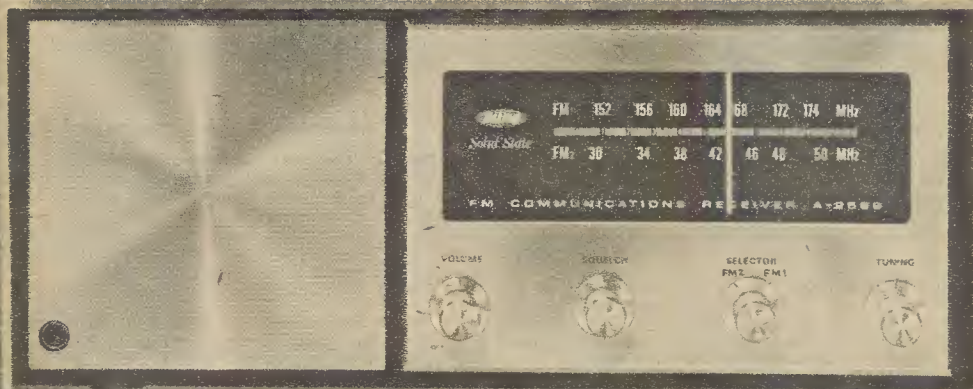
- Purchased Separately, \$3.50.* Learn to send clear and understandable code and to receive it easily. Practice will make your code perfect with this low-cost key and buzzer outfit. Ideally suited for novice code study. And our outfit price saves you 51¢. Quality constructed, durably made key has handsome polished solid-brass base, heavy silver contacts, nickel-plated hardware, shorting bar to take key out of the circuit, and black knob. Fully adjustable tension and spacing allows you to adjust touch to your taste. Requires two 1 $\frac{1}{2}$ -V batteries. Japan. Shpg. wt., 2 $\frac{1}{2}$  lbs. 17 C 9025. . . . . Both for **2.99**
- H** 17 C 6656. Key Alone. 2 lbs. . . . . **2.50**
  - J** 17 C 9018. Buzzer Alone. Well constructed buzzer has screw adjustment to vary tone. Molded base and cap. Requires two 1 $\frac{1}{2}$ -V batteries. Japan. Shpg. wt., 6 oz. . . . . **1.00**



# ALLIED Dual-Band VHF-FM Monitor Receiver

NOW ONE RECEIVER TUNES BOTH 30-50 MHz AND 152-174 MHz BANDS

**NEW**



## A-2589 Solid-State Dual-Band VHF-FM Receiver

- 20 Transistors, 10 Diodes, and 2 Thermistors
- Four IF Stages Provide Excellent Selectivity
- Stable Zener-Diode-Regulated Power Supply
- Squelch Circuit Silences Speaker Between Calls

**\$79<sup>95</sup>**  
\$5 monthly

New dual-band solid-state VHF-FM receiver lets you listen in on the Industrial, Land Transportation, Public Safety and Domestic Public Services in your area. Covers both the 30-50 MHz and 152-174 MHz FM bands. Solid-state circuit offers instant operation and dependable reception of the FM services. This sensitive receiver is designed to provide clear, static-free reception. Powerful push-pull audio output drives a built-in 4" speaker.

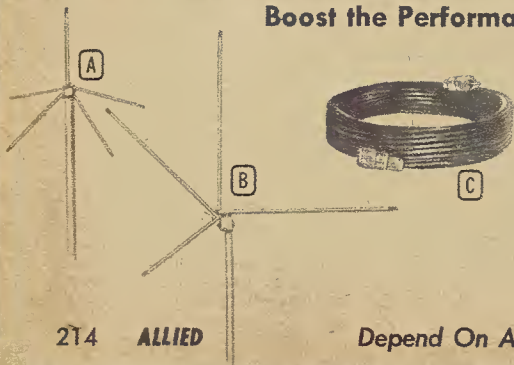
Boasts four IF stages, tuned RF and mixer stages for greater sensitivity and selectivity. Automatic Volume Control (AVC) prevents overload or blasting by strong signals and builds up weak signals for best possible reception. Adjustable squelch eliminates background noise during standby operation. Highly stable regulated power supply. Panel jack for external 8-ohm speaker or headphones. 50-75 ohm antenna input. Order antenna, below, for best long-range reception. Gray metal case, 5 $\frac{1}{16}$ "x11 $\frac{1}{8}$ "x7 $\frac{3}{4}$ ". For 117 V, 50-60 Hz AC. From Japan. Shpg. wt., 11 lbs.

17 C 9630 X. \$5 Monthly.....79.95  
17 C 6226. 8-Ohm Dual Headset with Plug and Cord. Wt., 1 lb.....5.95

### SPECIFICATIONS

Range: 30-50 MHz and 152-174 MHz. Sensitivity: Better than 4  $\mu$ V for 20 dB S/N. IF: 10.7 MHz. Power Supply: Full wave, transformer operated; zener diode regulation.

## Boost the Performance of Your Receiver with a VHF-FM Antenna



**A** Allied/Knight  $\frac{1}{4}$ -Wave Ground Plane Antenna. Increases range on 30-50 and 108-174 MHz bands. With mounting clamp for up to 1 $\frac{1}{2}$ " dia. masts. Order coax cable, below. Wt., 6 lbs.  
17 C 6714 X.....9.95

**B** Antenna Specialists MON-8. Deluxe double-loading-coil ground plane antenna for 25-50 MHz and 130-174 MHz. Omnidirectional pattern. For masts up to 1 $\frac{1}{2}$ " dia. SO-239 connection for PL-259 connector. Order coax below. Wt., 6 lbs.  
17 C 6716. \$5 Monthly.....19.95

**C** Coaxial Cable. Foam coax cable with PL-259 connectors. Use RG-58/U for 30-50 MHz; RG-8/U for 108-174 MHz.  
17 C 6883. 50' Coil RG-58/U Cable. Shpg. wt., 2 lbs.....5.50  
17 C 8522. 100' Coil RG-8/U Cable. Shpg. wt., 11 lbs.....13.95



# Regency VHF FM Monitors for Every Purpose

HEAR EMERGENCY, INDUSTRIAL AND PUBLIC-SERVICE MESSAGES

NEW  
at ALLIED



## Continuously Tunable Models

**\$84.95**  
Each

- 4  $\mu$ V Sensitivity
- Tuned RF Stage
- All-Electronic Squelch

\$5 monthly

Model MR-10D for 152-174 MHz. You've a new listening experience in store for you with this great continuously-tunable monitor receiver. You'll like its advanced design, compact style, fine performance. Covers services such as police, fire, emergency weathercasts, railroads, private mobile telephone, utilities, and forestry services. Features include: tuned RF stage for better image rejection; self-contained 4" speaker; adjustable, all-electronic squelch circuit; illuminated slide-rule dial; provision for external speaker or headphones. Sensitivity, 4.0  $\mu$ V or better for 20 dB quieting. Audio power output, 1.6 watts, (10% distortion). 7 tubes plus rectifier. 7 $\frac{1}{8}$ "x 11 $\frac{1}{4}$ "x6 $\frac{1}{2}$ ". For 105-125 V, 60 Hz AC. Shpg. wt., 11 lbs.

17 C 9650 X. \$5 Monthly..... 84.95

Model MR-33D for 30-50 MHz. Similar to above, but for low VHF-FM band. Covers police, fire, industrial, power utility, highway maintenance, mobile telephone, radio paging, more. Has 4" speaker, tuned RF stage, all-electronic squelch, illuminated slide-rule dial, provision for external-speaker or headphones. 7 tubes plus rectifier. 7 $\frac{1}{8}$ "x 11 $\frac{1}{4}$ "x6 $\frac{1}{2}$ ". For 105-125 V, 60 Hz AC. Shpg. wt., 11 lbs.

17 C 9651 X. \$5 Monthly..... 84.95



## Crystal-Controlled Models

**\$130.00**  
Each

- 1  $\mu$ V Sensitivity
- Duol-Conversion
- Solid-State Circuit

\$7 monthly

Model TMH-2 for 150-175 MHz. Delivers instant-on sound. Quality dual-conversion superhet, with up to 6-channel switching, operates on 117 VAC and 12 VDC. (Order cable below.) 1  $\mu$ V sensitivity pulls the weak stations in. Electronic squelch silences speaker between stations. Provision for internal 12-volt battery pack (see below). Battery will be activated automatically should powerline fail or no power outlet be available. Receiver can also be used in 12-volt vehicle or boat. Has 24 transistors and 9 diodes. Blue vinyl-laminated steel cabinet. 4 $\frac{3}{4}$ "x11" x 7 $\frac{1}{2}$ ". With one crystal—Specify frequency. Order extra crystals, accessories below. 6 $\frac{1}{2}$  lbs.

17 C 657B CF. \$7 Monthly..... 130.00

Model TML-2 for 30-50 MHz. Same as above except covers lower frequency band. Enjoy the interesting and exciting events occurring in the Industrial, Land Transportation, Public Safety, Domestic Public Services. One crystal—specify frequency. 6 $\frac{1}{2}$  lbs.

17 C 6577 CF. \$7 Monthly..... 130.00

17 C 9320 CF. Extra Crystals. For above.

Specify frequency. 3 oz..... 6.95

17 C 6580 F. Battery/Charger. 1 lb. 2B.35

17 C 9674. 12-VDC Power Cord. 1 lb. 2.95

"F" items shipped express from Indianapolis, Ind. No C.O.D. Allow 30 days



## Tunable Models for Your Car

**\$150.00**  
Each

- 4  $\mu$ V Sensitivity
- All-Electronic Squelch
- Built-In 4" Speaker

\$8 monthly

Model M-160 for 152-174 MHz. Wonderful way to take with you the exciting listening associated with the Industrial, Land Transportation, Public Safety, and Domestic Public Services bands. Hear police, fire, emergency services, weathercasts, railroads, private mobile telephone, utilities, forestry services, more. Has tuned RF stage for better image rejection; electronic squelch for absolute quieting; illuminated slide-rule dial for night operation; built-in 4" speaker. Sensitivity (for 20 dB quieting), 4  $\mu$ V or better. Power Output (for 10% distortion), 0.8 watt. Can be used in any vehicle using 12-volt battery with negative ground. Metal cabinet, 4 $\frac{1}{2}$ "x 6 $\frac{1}{2}$ "x8 $\frac{3}{4}$ ". Tube circuit. Universal mounting. Wt., 13 lbs.

17 C 9670. \$8 Monthly..... 150.00

Model M-40 for 30-50 MHz. Continuously tunable FM monitor receiver same as above except covers lower frequency band and has sensitivity of 2  $\mu$ V or better. Wherever you travel with this receiver you can be better informed listening to Public Service broadcasts or emergency services such as police, fire and Civil Defense. Universal mounting, 4 $\frac{1}{2}$ "x6 $\frac{1}{2}$ "x8 $\frac{3}{4}$ ". 12 VDC, neg. gnd. 13 lbs.

17 C 9669. \$8 Monthly..... 150.00

## Deluxe Dual-Band FM Monitor

**\$200.00**

\$10 monthly



Model DR-200 for 30-50 and 152-174 MHz. Highly versatile two-band monitor receiver covers both VHF-FM bands. Combines continuous tuning and crystal control—optional crystal control for one frequency on each band. Features dual-conversion superhet circuit. Sensitivity (for 20 dB quieting), 1  $\mu$ V on 30-50 MHz and 2  $\mu$ V on 152-174 MHz. 14 $\frac{1}{2}$ "x6 $\frac{1}{2}$ "x9 $\frac{1}{2}$ ". Tube circuit. For 105-125 V, 60 Hz AC. Order speaker below. Crystals (order above) available at \$6.95 each—specify frequency and allow 30 days.

17 C 9666 X. Shpg. wt., 17 lbs. \$10 Monthly..... 200.00

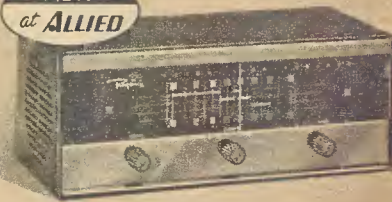
17 C 9672 X. Model DRS-1 6" Speaker. Wt., 7 lbs..... 15.95

## 108-136 MHz AM Monitor

**\$99.95**

\$5 monthly

NEW  
at ALLIED



Model AR-136D Aircraft AM Monitor for 108-136 MHz. For the aviation enthusiast who insists on finest performance. Continuously tunable monitor receiver is made to professional standards. Has increased sensitivity for stronger, clearer signals; improved signal-to-noise ratio; reduced oscillator radiation. Adjustable squelch with a range of from 0.5  $\mu$ V to 100  $\mu$ V. Power Output, 1 watt. Sensitivity, 1  $\mu$ V for 10 dB quieting. Built-in 4" speaker. Provision for external speaker. Illuminated slide-rule dial. 6 $\frac{1}{4}$ "x12x6 $\frac{3}{8}$ ". Tube circuit. For 110-120 V, 60 Hz AC.

17 C 6512 X. Shpg. wt., 14 lbs. \$5 Monthly..... 99.95

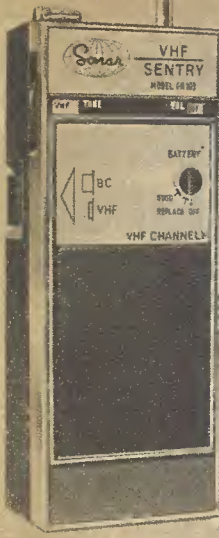
Get Your VHF Monitor Now on Allied's Credit Fund Plan

ALLIED 215



**NEW**  
at **ALLIED**

# VHF Monitors for Every Application



Two Compact Models:  
30-50 MHz, 150-175  
MHz (Both FM)

**\$3995**  
Each  
\$5 monthly



**NEW**  
at **ALLIED**

Crystal-Controlled  
150-175 MHz (FM) for  
Police, Fire, Utilities,  
CD, Buses, Much More

**\$14000**  
\$7 monthly



Tunable or Tunable and  
Crystal-Controlled for  
Police, Fire, 162.5 MHz  
Weather Band, CD, More

Low  
As **\$8995**  
\$5 monthly

## Sonar Hand-Held Monitors

- Two Crystal-Controlled VHF Channels
- Tune Standard AM Broadcast Band

Solid-state. Listen in on Industrial, Land Transportation, Public Safety, Domestic Public Services (VHF-FM), plus regular AM broadcasts wherever you are. Fit inside your pocket—deliver loud, clear reproduction. Telescoping antenna. Only 5 1/2 x 2 1/2 x 1 1/8". With battery, earphone. Order crystal certificate card below. From Japan. Shpg. wt., 1 lb.

17 C B190 S. FR-103. 150-175 MHz Band. \$5 Monthly. . . . . 39.95

17 C B199 S. FR-106. As above, hut covers 25-50 MHz. \$5 Monthly. . . . . 39.95

## Sonar Mobile/Base Monitor

- Instant-Play Solid-State Circuit
- Compact—Installs Virtually Anywhere

FR-105. Sensitive 150-175 MHz FM monitor operates in any 12-volt vehicle or from 117-volt 50-60 Hz AC line. Has 6 crystal-controlled channels, temperature-compensated noise-free squelch, provision for continuous-tone decoder module, built-in heavy-duty 2x6" speaker with moisture resistant cone, provision for external speaker, an audio output of 1 1/2 watts. Aluminum case, 2 5/8 x 6 1/8 x 8 1/2". Complete with AC and DC power cables, mounting bracket. Order crystal card below. Shpg. wt., 5 lbs.

17 C 9726 U. \$7 Monthly. . . . . 140.00

## Sonar Mobile, Base Monitors

- Temperature-Compensated Oscillator
- Electronic Squelch • 500-Ohm Output

All have tuned RF stage. Size, 4 1/2 x 8 x 10". For 115 V, 60 Hz AC, 11 lbs.  
17 C 9701 U. FR-102. 150-175 MHz. B9.95  
17 C 9702 U. FR-101. As above, but covers 25-50 MHz. \$5 Monthly. . B9.95  
17 C 9704 U. FR-102 DX. 150-175 MHz. Tunable receiver plus provision for 1 crystal, below. DC power cord, mobile mounting bracket. 110 VAC/12 VDC neg. gnd. 12 lbs. \$7 Mo. . . . . 134.95  
17 C 9703 U. FR-101DX. As above, but covers 25-50 MHz. \$7 Monthly. 134.95  
17 C 9705 CF. Crystal for Above. Specify frequency. Allow 30 days. 4 oz. . . . . 7.50

17 C 8192 S. Crystal Certificate Card for FR-103, 105 and 106. For each frequency, Allied mails you a card to fill out and send to Sonar. Sonar ships desired crystal direct to you within 30 days. . . . . Each 5.00

## Hallicrafters Portable VHF Monitors



**\$3995**  
Each  
\$5 monthly

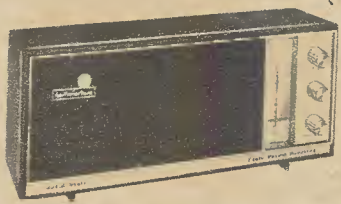
- Solid-State Circuit
- Superhet Receiver
- Built-In AGC and ANL

Combining take-along portability with sensitivity, these hand-held FM monitors provide exciting listening on-the-go. Choice of 27-50 MHz or 144-174 MHz (FM) or 108-135 MHz (AM). Hear police, fire, civil defense, weather, railroads, cabs, trucks, power utilities, aircraft (AM), more: Solid-state circuit—9 transistors and 2 diodes; sensitive, selective receiver with AGC and noise limiter. Telescoping antenna. Provision for external antenna and headphones. 6x2 3/4 x 1 1/8". 9-volt battery below.

17 C 9875 S. CRX-102. 144-174 MHz. Japan. Shpg. wt., 1 lb. . . . . 39.95  
17 C 9870 S. CRX-100. Same as above, except covers 27-50 MHz. . . . . 39.95  
17 C 9872 S. CRX-101. Above, covers 108-135 MHz AM Aircraft band 39.95  
18 C 5980. 9-V Battery. 6 oz. 2 for 59¢

Size, 6x2 3/4 x 1 1/8".

## Hallicrafters Table Model VHF Monitors



Three Models  
for 3 Frequency  
Ranges

**\$4995**  
Each  
\$5 monthly

- Solid-State Circuit with Squelch, AVC, and ANL
- Built-in Antenna • 4x6" Speaker • 1-Watt Output

Choice of 30-50 MHz (FM), 108-135 MHz (AM), or 152-174 MHz (FM). Superhet circuit has RF stage plus 3 IF stages. Includes automatic volume control, automatic noise limiter, and squelch. One-watt power output to 4x6" front-mounted speaker. Easy-to-read slide-rule tuning dial. Handsomely styled polystyrene case, 5 1/2 x 13 1/2 x 3 1/2". Provision for using external antenna. For 110-120 volts, 60 Hz AC. From Japan. Shpg. wt., 5 lbs. \$5 Monthly.  
17 C 9723 X. CRX-105. 152-174 MHz (FM). . . . . 49.95  
17 C 9747 X. CRX-103. 30-50 MHz (FM). . . . . 49.95  
17 C 9748 X. CRX-104. 108-135 MHz (AM) Aircraft. . . . . 49.95



# VHF Converters, Radio Direction-Finders, Mobile Antenna



**\$39.95**

\$5 monthly

Adapts Any Standard AM  
Radios for VHF Monitoring  
... For Car or Home Use

## Five-Band Portable Radios with Direction- Finder

Perfect for  
Pilots, Boaters,  
Campers,  
Sportsmen

Low As  
**\$99.95**

\$5 monthly



## Midland Deluxe VHF Monitor Converters

- Battery Powered Solid-State Circuit • Fine Tuning
- Silicon Transistor Tuned RF Stage for Top Performance

Add a VHF converter to your AM radio and monitor exciting broadcasts from police, fire, CD, emergency services, mobile telephones, many others. Can be operated in your home, car, or as a portable. Sensitivity, 2  $\mu$ V for 10 dB S/N. Operates hours on a single set of batteries (order below). Jacks for external 12-VDC and antenna. Metal cabinet, 4x4x5 $\frac{1}{2}$ ". Japan. Wt., 4 lbs. \$5 Monthly.

17 C 9822. Model 13-264. 152-174 MHz (FM)..... 39.95  
17 C 9823. Model 13-262. 108-135 MHz (AM). Aircraft. 39.95  
17 C 9824. Model 13-260. 30-50 MHz (FM)..... 39.95  
18 C 5083. Batteries. Uses 8. Wt., 4 oz..... Pkg. of 2 for 20¢

## Hallicrafters Portable Radio/Direction-Finder

- Sensitive Solid-State Radio with Radio Direction-Finder
- Radio Tunes Standard AM, plus Longwave and Shortwave

Radio tunes 540-1600 kHz AM BC band; 185-400 kHz AM band; 2-5.2 MHz AM band; 5.2-15.5 MHz AM band; 108-135 MHz AM VHF aircraft band. Direction-finder tunes 540-1600 kHz, 185-400 kHz, and 2-5.2 MHz bands. 6x12x3". Order batteries below. From Japan. Shpg. wt., 10 lbs.

17 C 9910 U. Model CR-50 "Sea-Air." \$5 Monthly... 99.95  
CR-44 "Ranger." Above, but 88-108 MHz FM BC band and 152-174 MHz FM Public Service band instead of 5.2-15.5 and 108-135 MHz bands. Batteries below. Japan.

17 C 9915 U. \$6 Monthly..... 119.95  
18 C 5079. "D" Batteries. (Uses 4.) 10 oz.... Pkg. of 4 for 65¢

**\$129.95**

## **A** Nova-Tech "Action" Solid-State Portable Radio/Radio Direction-Finder

Tunes standard AM broadcast band and both FM business-radio bands, 30-50 MHz and 150-175 MHz; marine weather and beacons on 190-400 kHz; marine shortwave band, 1.5-4.5 MHz. Rotating antenna for accurate bearings; DF level control for sharp nulls; null meter; squelch; 180° left/right bearing scale; flip-up pelorus sights; dial light; telescoping antenna; headphone jacks. Leather carrying case, batteries, AC adapter. 6x9x2 $\frac{1}{2}$ ".

17 C 6541 U. Japan. Shpg. wt., 8 lbs. \$7 Monthly..... 129.95

Pilot II. As above, but has four bands. Tunes 108-136 MHz AM Aircraft band instead of 30-50 and 150-175 MHz bands.

17 C 6543 U. Japan. Shpg. wt., 8 lbs. \$7 Monthly..... 129.95

**\$249.50**

## **B** Sonar Solid-State Fixed-Location Radio/Radio Direction-Finder

DF-1301. Provides left/right indication, consolan reception, accurate true-null bearings. Tunes standard AM broadcast band; beacon band, 180-410 kHz; marine band, 1600-3500 kHz. Built-in sense amplifier and collapsible sense antenna; ferrite flat loop for maneuverability; headphone jack, null/tuning meter; BFO; DF gain control; ANL. Front-panel switch selects 162.55 MHz Weather Band forecasts. 4 $\frac{1}{2}$  x 12 $\frac{1}{2}$  x 10 $\frac{3}{4}$ ". With batteries.

17 C 6550 U. Shpg. wt., 10 lbs. \$13 Monthly..... 249.50  
18 C 5079. Extra Batteries. (Uses 8.) Wt., 10 oz.... Pkg. of 4 for 65¢

**\$139.95**

## **C** Antenna Specialists Model MON-2 Trunk Mount 130-174 MHz Mobile Antenna

Features "Quick-Grip" no-hole trunk lid mount for speedy installation. Whip has screw-type adapter for field cutting to an exact frequency. Furnished complete with 16-ft. RG-58/U coax cable, pin plug, plus PL-259 adapter.

17 C 6150 X. Shpg. wt., 2 lbs..... 13.95



**NEW  
at ALLIED**



**B**

Make Allied Your Headquarters for Everything in Electronics

ALLIED 217



# Business Band 2-Way Radios and Marine Electronic Equipment

## Johnson Messenger 215 Business 2-Way AM Radio

**\$205<sup>00</sup>**

\$11 monthly

Far Base  
or Mobile  
Operation

Two-way 25-50 MHz AM business radio for base station or mobile use. 15 watts. Built-in 117 VAC/12 VDC power supply. Tube-type. Takes 50-ohm antenna. 5 $\frac{1}{2}$ "x7x11 $\frac{3}{4}$ ". With hang-up mike; AC/DC power cords; crystals. Type Accepted FCC Rule Parts 21, 89, 91, 93. Specify Your Assigned Frequency. Allow 30 days.

17 C 6385 KF. 18 lbs. . . . . 205.00  
17 C 9416. Mobile Mount. Shpg. wt., 1 $\frac{1}{4}$  lbs. . . . . 2.50



## Johnson Messenger 205 Business 2-Way AM Radio

**\$165<sup>00</sup>**

\$9 monthly

- 5-Watt Mobile Unit
- Solid-State Circuit
- Built-In PA System

Compact, rugged mobile 25-50 MHz business band radio. Useable with a linear amplifier for greater output power. Sensitive receiver with adjustable squelch. For 50-ohm antenna. Built-in 12 VDC power supply. 2 $\frac{1}{2}$ "x6 $\frac{3}{4}$ "x8 $\frac{3}{4}$ ". Mounting bracket, power cord, hang-up mike, crystals. Type Accepted FCC Rule Parts 89, 91, 93. Type App. DOT RSS 136. Specify Your Assigned Frequency. 6 $\frac{1}{2}$  lbs. Allow 30 days. 17 C 6380 XF. \$9 Monthly . . . . . 165.00

## Courier ML-100 100-Watt Business Linear Amplifier

**\$99<sup>00</sup>**

\$5 monthly

- For Mobile Use
- Built-In Antenna Relay
- Has Tuning Light

Mobile Business Band linear amplifier covers 25-50 MHz. Operates AM, FM and SSB. One to 15-watt drive required for 100-watt input and up to 60 watt output. Built-in antenna relay. Circuit includes transistors and tubes. Draws less than 2 amps in receive position. No internal connections to transceiver are needed. Chrome case, 7 $\frac{1}{4}$ "x8 $\frac{1}{2}$ "x2 $\frac{3}{4}$ ". For 12 VDC. Illegal on Citizens Band Class D. Wt., 7 lbs. 17 C 6530 X. \$5 Monthly . . . . . 99.00



75 Watts  
**\$299<sup>95</sup>**

115 Watts  
**\$379<sup>95</sup>**

150 Watts  
**\$499<sup>95</sup>**

## Sonar Solid-State Marine Radio-Telephones

75-Watt Model 75AW. Two-way 2-6 MHz radio with 6 crystal-controlled marine channels, AM broadcast band plus fixed-station weather frequencies. FCC Type Accepted. Meets FCC requirements for commercial boats carrying 6 or more passengers. Universal mtg. tray; built-in speaker; push-to-talk mike; 3 pairs of crystals—2182 kHz CG, 2638 and 2738 kHz ship-to-ship. 13 $\frac{1}{2}$ "x10 $\frac{1}{2}$ "x6 $\frac{1}{4}$ ". For 12 VDC. Shpg. wt., 16 lbs.

17 C 6547 K. \$15 Monthly . . . . . 299.95  
17 C 6548 K. 115W. Above, 115-watt input . . . . . 379.95  
17 C 6549 K. 155W. Above, 150-watts. Less crystals . . . . . 499.95  
17 C 6524 X. MT-18 Matching Marine Transformer. For 2-3 MHz. Permits antenna installation without ground. 5 lbs. . . . . 17.95



**NEW**

Business Band  
132-174 MHz  
VHF-FM 2-Way  
Walkie-Talkie

**\$375<sup>00</sup>**

\$18 monthly

## Sonar 2301 Walkie-Talkie

All-silicon-transistor. Compatible with VHF 2-way narrow-band systems. Receiver and transmitter usable on independent frequencies. 1.6 watts. Dual conversion. Electronic mode switching. FCC Type Accepted Parts 21, 89, 91, 93. One pr. crystals, 12 penlight batts. 7 $\frac{3}{4}$ "x3x1 $\frac{1}{4}$ ". Specify Assigned Frequency. Factory-shipped—allow 30 days.

17 C 6523 F. Wt., 2 $\frac{1}{2}$  lbs. . . . . 375.00



Complete With 8"  
Trumpet Speaker

## Sonar HA-1 2-Way Hailer

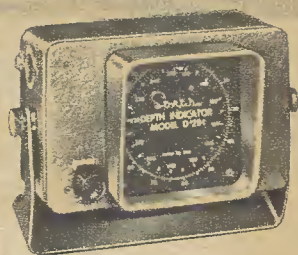
**\$125<sup>00</sup>**

\$7 monthly

- Intercom
- Hailer
- Fog Horn

This 16-watt marine unit lets you hail other boats, persons ashore, swimmers or skiers; can be set for automatic or manual fog horn signals; and operates as a 2-way intercom. Solid-state. Five-position function switch; separate listen and hail volume controls. 2 $\frac{1}{2}$ "x6 $\frac{3}{4}$ "x5". For 12 VDC. With push-to-talk mike, mtg. bracket, speaker. 8 lbs.

17 C 6335 X. \$7 Monthly . . . . . 125.00



## Sonar D-120B Depth Sounder

**\$139<sup>50</sup>**

\$7 monthly

- Accurate to 250'
- Finds Fish Schools
- Easily Installed

For commercial or pleasure marine craft to waru against running aground. Easy-to-read 360° 4" scale with 1-ft. graduations shows water depth from 1 to 250 feet. Easily installed even while boat is in water. Also indicates schools of fish. With transducer, gimbal mounting bracket and fairing block. Size, 7 $\frac{1}{2}$ "x11 $\frac{1}{4}$ "x7 $\frac{1}{2}$ ". For 12 VDC. Shpg. wt., 10 lbs.

17 C 6544 X. \$7 Monthly . . . . . 139.50



# Forecast the Weather Yourself With These Accurate Instruments



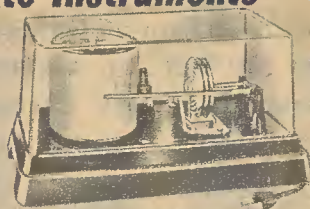
**Taylor Weatherscope**

- Precision Barometer **\$199<sup>75</sup>**
- Outdoor Thermometer
- Wind Indicators **\$10 monthly**

Four instruments on 17x12" walnut panel: barometer, outdoor thermometer, wind speed and direction indicators. With 60' cable for outdoor wind vane and anemometer, 40' cable for outdoor thermometer. Shpg. wt., 16 lbs.

17 C 6860 X. \$10 Monthly. . . . 199.75

17 C 6851 X. Windscope. (Not illus.) Wind speed, direction indicator in 6<sup>3</sup>/<sub>8</sub>x5<sup>1</sup>/<sub>8</sub>" case. Outdoor wind vane, anemometer, 60' connecting cable. Shpg. wt., 10 lbs. . . . . 89.95



**Taylor 7-Day Recorders**

- Choice of Barometer **\$49<sup>95</sup>**
- or Thermometer **\$5 monthly**

Barometer. Provides a record of 7-days variations in barometric pressure. Range: 29-31 inches, correctable from sea level to 10,000'. Sensitive UNI/MAG movement. 6<sup>3</sup>/<sub>4</sub>x13x6<sup>3</sup>/<sub>4</sub>". With 13 charts, ink, instructions. 115 VAC

17 C 6861 X. Wt., 5 lbs. . . . . 49.95

Thermometer. Provides 7-day record. -40° to +120° F. 6<sup>3</sup>/<sub>4</sub>x13x6<sup>3</sup>/<sub>4</sub>". With 8' capillary tubing, 13 charts, ink, instructions. 115 VAC. 17 C 6862 X. Wt., 5 lbs. . . . . 49.95



**Honeywell Electronically Operated Thermometer**

- Thermistor Sensor **\$49<sup>95</sup>**
- Easy-to-Read Scale
- Walnut Plaque **\$5 monthly**

Beautiful walnut plaque with sensitive electronic outdoor thermometer. Miniature thermistor sensors outdoors are connected to 4" dia. scale by 30' doorbell-type wire. If necessary, add extra wire—up to 250'. Accurately shows outdoor temperature. Requires one battery (below). Shpg. wt., 2 lbs.

17 C 8360 X. \$5 Monthly. . . . . 49.95

18 C 5961. Mallory RM-625R Battery. Shpg. wt., 4 oz. . . . . Pkg. of 2 for 1.06



**Dwyer Wind Speed Indicator**

- Reads Like **\$24<sup>95</sup>**
- Thermometer **\$5 monthly**

Highly accurate instrument. Liquid-filled tube registers wind velocity. Reads like a thermometer—no calculations necessary! Easily read scale is calibrated in both 0 to 80 miles per hour and Beaufort scale designations. Outside fitting, resembling a weather vane, mounts on any elevation; attaches to meter by 50' vinyl tubing (supplied). 6x7x1". Wt., 5 lbs.

17 C 6538. \$5 Monthly. . . . . 24.95

**\$8<sup>95</sup>**



**3-in-1 Weather Station**

Temperature, barometric pressure, relative humidity. Warns of approaching storms. Dials turn 90° on wood grain panel for versatile mtg. 5<sup>3</sup>/<sub>4</sub>x15<sup>1</sup>/<sub>2</sub>".

17 C 6855. Wt., 1/2 lb. . . . . 8.95

**Taylor Marine Compass**

**\$14<sup>95</sup>**



Lubber line, 5° graduations, jewel bearing, illuminated dial. 3<sup>3</sup>/<sub>8</sub>" dome. Black rustproof metal case. 17 C 6540. Wt., 2 1/2 lbs. . . . . 14.95

17 C 6874. Economy Version. (Not illus.) Wt., 1 1/2 lbs. . . . . 12.95

**Airguide 5" Marine Clock**

**\$29<sup>95</sup>** **\$5 monthly**



Dial scaled 12 and 24 hours; shows 4-hour watches. 8-day, 7-jewel movement. Mounts on bulkhead. Stem set and wind. 5-inch dial, brass fixture. 2 1/2 lbs.

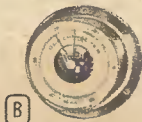
17 C B982 S. \$5 Monthly. . . . . 29.95

**\$24<sup>95</sup> Weather Instruments for Home and Office**

**\$5 monthly**



**A** Taylor Statesman Stormscope. Accurately indicates temperature, pressure and humidity. Colonial-style mahogany pendant. Brass trim. 2 1/2 x 7 1/4". Wt., 3 lbs. 17 C 6853 X. \$5 Monthly. . . . . 24.95



**\$59<sup>95</sup>**

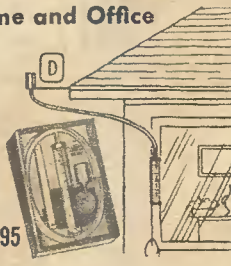
**\$5 monthly**

**B** Taylor Deluxe Barometer. Navy-type instrument for wall mounting. Features compensated movement for extremely precise readings. Heavy brass case. Reads 26-31" on 5" dial, 6<sup>3</sup>/<sub>4</sub>" flange. 2 1/2 lbs. 17 C 6864 X. \$5 Monthly. . . . . 59.95



**\$11<sup>95</sup>**

**C** Taylor Hygrometer. Wall-type humidity instrument. Thermometers range, 40-110°F. Translucent water reservoir. Revolving humidity table. 5x7". 1 lb. 17 C 8355 X. . . . . 11.95



**\$15<sup>95</sup>**

**D** Pioneer Rain Minder. Precision rain gauge accurately measures up to 5" of rainfall. Easy-to-read gauge mounts on outside window facing; 2" cup mounts on roof gable. 20' plastic hose. 2 1/2 lbs. 17 C 6866 X. . . . . 15.95

Use Your Allied Credit Fund to Outfit Your Home Weather Station

ALLIED 219



# Don't Struggle with a Big, Heavy Garage Door!

Open, Close and Lock Your Door, Turn-on Garage Lights by Remote Control from Your Car, Up to 100 Feet . . . Not a Luxury, but a Practical Appliance Important for Your Convenience and Safety



IN YOUR RIDE . . .

. . . YOU'RE SAFE INSIDE



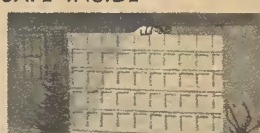
**OPENS DOOR . . .** Just Press Button a Transmitter



**OPERATES LIGHT . . .** Light Is Turned On, Off Automatically



**CLOSES DOOR . . .** Press Button Again . . . Door Closes

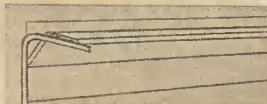
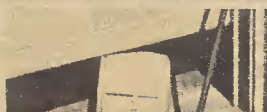


**LOCKS DOOR . . .** Door Locks Securely When Fully Closed

## Perma-Power "Liftmaster" Chain-Drive Garage Door Openers

Easily Installed  
Solid-State Systems  
Deluxe System

Low \$149<sup>50</sup>  
As  
\$8 monthly



You Open and Close Garage Door From Inside Your Car. You Don't Leave Your Children Alone in the Car; You Don't Get Wet or Cold in Nasty Weather; You're Safe From Prowlers. You Don't Risk Straining Your Back Trying to Raise a Heavy Garage Door.

Power Unit With "Velvet-Glide." Powerful 1/2-hp chain-drive handles 20-ft. wide residential garage doors up to 200 lbs. with horizontal or curved roller tracks. "Velvet-Glide" electronic clutch provides smooth, quiet operation. Accelerates from a dead stop without jerking or bouncing.

Instant Stop Control. Door travel is *instantly* stopped by button on transmitter or inside door control. Door stops *automatically and instantly* if it encounters any obstacle. When started again, it reverses and pulls away, the ultimate safeguard against trapping any object.

Manual Operation of Door. If electric power should fail, the motor-driven door arm can easily be detached to allow manual operation of door until power is restored. Absolutely no tools are needed for detaching, and it can be done by anyone.

Easy to Install. The Perma-Power LIFTMASTER can be installed on your *existing* garage door whether single or double, sectional or one-piece, metal, fiberglass, or wood. You need only a drill, pliers, screwdriver and hammer. All necessary hardware is included.

G-6101 Deluxe Garage Door Opener. Lifts, lowers, and locks garage door and turns garage lights off and on. You get power unit, track, chain-drive, receiver, pocket transmitter, pushbutton manual-control unit, antenna, hardware. No FCC license needed. U.L. Listed. 117 VAC. G-6101 System with Pocket Transmitter for Channel 810P. 17 C 8007 ZW. Wt., 65 lbs. Express. \$8 Monthly. . . . 149.50

G-6101 System with Under-Dash Transmitter for Channel 810P. For 12 VDC—switch selects pos. or neg. ground. 17 C 8013 ZW. Wt., 65 lbs. Express. \$8 Monthly. . . . 159.50

Alternate-Frequency System. Same as above, but for different channel. Portable. Wt., 65 lbs. Express. 17 C 8012 ZF. \$8 Monthly. . . . 149.50

17 C 8016 ZF. Underdash Transmitter. Express. . . . 159.50

G-6121 Budget System with Pocket Transmitter for Channel 810P. As G-6101, except 175-lb. door capacity; manual reverse instead of electrical; series-wound 1/4 hp motor instead of capacitor-start motor; housing less light shield. 55 lbs. 17 C 8001 ZW. Express. \$6 Monthly. . . . 119.95

Alternate-Frequency System. Above, for different channel. 17 C 8003 ZF. Wt., 55 lbs. Express. \$6 Monthly. . . . 119.95

### Extra Transmitters

17 C 8018 R. Extra Pocket Transmitter Chan. 810P. 1 lb. 19.50

Extra Transmitter for Alternate-Frequency System. Specify Channel. Shpg. wt., 1 lb. 17 C 8014 CF. \$5 Monthly. . . . 19.50

17 C 8002 CF. Underdash. Specify Channel. 2 lbs. . . . 29.50



# Versatile Wireless Intercom Systems



**NEW**

## Fanon Lowest Cost Wireless Solid-State Intercom System

2-Station System **\$1995** \$5 monthly

- Operates Room-to-Room or Between Buildings on Same Power Line

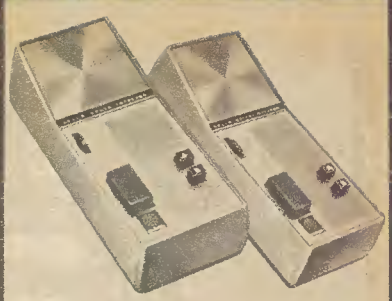
Model EW3A. No installation, just plug units into 110 VAC outlets and start talking. Ideal "babysitter." Quieting circuit cuts noise. Each unit has press-to-talk bar with lock position for monitoring; on/off switch and volume control. High-impact beige styrene case, 3 1/2 x 4 1/2 x 2". Japan. 1 1/2 lbs.  
12 C B211. \$5 Monthly..... 19.95

## Fanon Popular-Priced Wireless Solid-State Intercom System

2-Station System **\$2995** \$5 monthly

- Two Separate Talk Channels
- Quieting Circuit Cuts Noise

Model 1642. Two separate talk channels. No installation—just plug into 110 VAC outlets and talk. Operates room-to-room or between buildings on same line. Units have pilot lights, on/off volume control, talk/listen switch. Beige/Brown. 5x4 1/4 x 1 3/4". Japan. 3 lbs.  
12 C B212. \$5 Monthly..... 29.95  
12 C B200 X. Extra Unit. 1 lb.... 15.95



## Fanon Deluxe Wireless Solid-State Intercom System

2-Station System **\$5995** \$5 monthly

- Two Separate Talk Channels
- Filter Prevents Crosstalk

Model F1W-2. Deluxe two-channel pushbutton system with full 1-watt audio output. No installation, just plug into 110 VAC outlets. Two pair of these units can carry on simultaneous conversations without interfering with each other. Volume, talk/listen, squelch controls. Two-tone gray. 9 1/2 x 4x3". Wt., 5 lbs.  
12 C B234 X. \$5 Monthly..... 59.95  
12 C B235 X. Extra Unit. 2 1/2 lbs... 30.75



Low As **\$4330**  
\$5 monthly

**SOLID-STATE**

## Talk-A-Phone All-Master Intercom Stations

Each station can originate a call. Separate conversations can be handled simultaneously. With press-to-talk bar, volume control. Finished in leather-like gray vinyl and chrome. 3 1/2 x 10 1/2 x 8 3/4". For 110-120 volts, 50-60 Hz AC, or DC. U.L. Listed.  
Model K-LS-5. For up to 5 stations. Uses Type 5506 6-conductor cable, see page 384.  
12 C B079 X. Wt., 6 1/4 lbs. \$5 Monthly..... 43.30  
Model K-LS-10. For up to 10 stations. Uses Type 9911 11-conductor cable, see page 384.  
12 C B084 X. Wt., 8 lbs. \$5 Monthly..... 53.50

Entire Talk-A-Phone Line Available from Allied



Low As **\$4330**  
\$5 monthly



## Talk-A-Phone Solid-State Master-Substations

Substations can call Master, but not each other. Master has press-to-talk switch, volume control. U.L. Listed. Order cable as above, page 384. For 115 V, AC-DC.  
K-ML-5 Master. For up to 5 Subs. Shpg. wt., 7 lbs.  
12 C B085 X. Size, 7 1/2 x 8 3/4 x 3 3/8". Each 43.30  
K-ML-10 Master. For up to 10 Subs. 7 lbs.  
12 C B086 X. Size, 10 1/2 x 8 3/4 x 3 3/8". Each 53.50  
K-LR-3. Substation. Deluxe finish front. Wt., 4 lbs.  
12 C B088 X. Size, 3 1/8 x 7 1/2 x 8 3/4". Each 19.40  
12 C B089. K-LR-3R Substation. Above, but for flush wall mtg. Size, 4 3/16 x 7 3/16". Wall opening, 4 1/8 x 6 1/2 x 2" deep. Gray, chrome. Shpg. wt., 4 1/2 lbs..... Each 14.95  
12 C B090. K-LR-3M. Substation. Same as K-LR-3R, but grain, baked enamel. Shpg. wt., 4 lbs..... Each 14.95

# Deluxe Wired Intercom



**\$6449**  
\$5 monthly

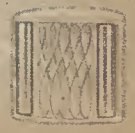
## NuTone "Commu-Ni-Com" 4-Station System

- Any Station Can Talk to Any Other Station
- Stations Have Talk/Listen Switch, Monitor Position

Four-station solid-state intercom and door-answering system features easy wall surface mounting or flush mounting with "A" Frame below. Includes Amplifier/Master Station; 3 Indoor Stations; Door Station; 16-V Transformer; 50-ft. Cable. For 110-120 V, 60 Hz AC.  
12 C 8177 X. Shpg. wt., 10 1/2 lbs. \$5 Monthly..... 64.49  
12 C 8186. Extra Model 472B Indoor Station. 6 3/4 x 4 1/8 x 1 7/8". Shpg. wt., 1 1/2 lbs..... 7.69  
12 C 8187. Extra Model 471 Door Station. 4 5/8 x 3 3/4 x 1 1/8". Shpg. wt., 1 1/2 lbs..... 6.95  
12 C 8185. 250' 8-Conductor Cable. Wt., 8 lbs..... 15.93  
12 C 8191. Type 472-A "A" Frame. 6 1/2 x 4 3/8". 6 oz..... 8.49

## NuTone Electronic Door Chime

Model L-74. Use with any NuTone intercom system. Mounts on wall. Plays two notes for front, one note rear. With transformer. 7 3/8 x 8 x 2 1/2". 110-120 V, 50-60 Hz AC.  
12 C 8195. Wt., 3 3/4 lbs.. 13.95



**\$1395**

Nothing to Pay for 30 Days with Allied's Credit Fund Plan

ALLIED 221



# Intercom Systems

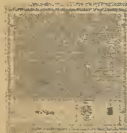


Solid-State Circuit

**\$121<sup>95</sup>** \$7  
monthly

## New! Nutone Master Station FM-AM Intercom

Model 2091. New solid-state Master Station, accepts up to 8 Remote Stations. Offers hi-fi FM, AM, plus intercom. "All-Call" talk/listen lever for paging through all Remote Stations; Slide-rule tuning, AFC on FM. Eggshell white, beige. 8 $\frac{3}{4}$ x16x1 $\frac{3}{4}$ "; projects 1 $\frac{5}{8}$ " from wall. 115 VAC. 60-Hz transformer. Remote Stations, 3-cond cable below. 12 C 7990 X. Shpg. wt., 9 $\frac{1}{2}$  lbs. \$7 Monthly.....121.95  
12 C 7991 X. Model 2090. Walnut finish. 9 $\frac{1}{2}$  lbs.....121.95



E



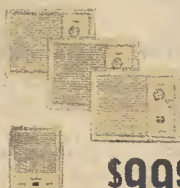
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G

## Remote-Stations and Cable for 2090, 2091

- E** 12 C 7992 X. N2021 Indoor Remote Station. 8" speaker, volume, talk/listen controls, detachable control panel. 12x12x2 $\frac{1}{8}$ ". Eggshell white finish. 3 $\frac{3}{4}$  lbs.....16.49  
12 C 8042. 2411 A "A" Frame. 12 $\frac{1}{2}$ x11". Wt., 1 $\frac{3}{4}$  lbs..1.85
- F** 12 C 8033. N2027 Indoor Remote Station. 5" speaker, volume, talk/listen controls. Egg shell white. With rough-in frame. 5 $\frac{1}{4}$ x8 $\frac{1}{2}$ x3 $\frac{1}{4}$ " 1 $\frac{1}{2}$  lbs.....7.24
- G** 12 C 8193. 412 Door Remote Station. 3" speaker, talk/listen switch. 3 $\frac{3}{4}$ x4 $\frac{5}{8}$ ". Surface mounting. Projects 1 $\frac{5}{8}$ " from wall. Gold finish. 1 $\frac{1}{2}$  lbs.....10.95  
12 C 8039. 200' Roll 3-Cond. Cable. 2 $\frac{3}{4}$  lbs.....5.49  
12 C 8040 X. 1000' Roll 3-Cond. Cable. 13 lbs.....19.95



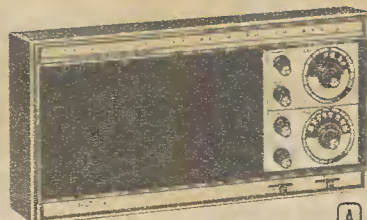
**\$99<sup>95</sup>**

## New! Nutone Solid-State AM/Intercom System

Delivers AM radio programs to any room desired. Consists of: Model 2034 Master Station; 3 Model 2028 Indoor Remote Stations with Frames; Model N2006 Door Remote Stations; 200' 3-Cond. Cable. Inside Remote Stations have "latching" talk/listen switch for continuous monitoring. Master Station has jack for record changer; intercom override and independent "on-off" pilot lights. "All-Call" lever permits paging through all Remote Stations—persons can answer without using controls. Door-switch permits answering door from any station, Remote or Master. Beige finish Master Station, 8 $\frac{3}{4}$ x16x1 $\frac{3}{4}$ ", projects 1 $\frac{5}{8}$ " from wall. White inside Remote Station, 6 $\frac{5}{8}$ x8 $\frac{1}{2}$ x2 $\frac{3}{8}$ ", projects 1 $\frac{1}{2}$ ". Gold finish door Remote Station, 5 $\frac{1}{2}$ x4 $\frac{5}{8}$ x1 $\frac{3}{4}$ ", projects 1 $\frac{1}{4}$ " from wall. Additional Remote Stations, frames below. 115 VAC transformer. Wt., 14 lbs.

- 12 C 7993 X. \$5 Monthly.....99.95  
12 C 7994 X. Extro 2028 Indoor Remote Station. 1 $\frac{1}{2}$  lbs. 7.24  
12 C 7995. 418 Frame. 7 $\frac{1}{4}$ x9 $\frac{1}{2}$ x2 $\frac{1}{4}$ ". 1 lb.....3.24

## Nutone Solid-State FM-AM Intercom



B



C



D

Master Station **\$149<sup>95</sup>** \$8  
monthly

## A Deluxe Solid-State FM-AM Master Station

Model N2561. For room-to-room intercom, door answering from any Remote-Station, plus FM-AM. Turn radio off at any Remote Station, still send and receive calls. Intercom mutes radio. Accepts up to 16 Remote Stations. 6x9" speaker, AFC. Antenna, transformers, rough-in frame, 7 $\frac{3}{8}$ x14 $\frac{1}{4}$ x1 $\frac{3}{4}$ ", hardware. Walnut with silver trim. 17 $\frac{3}{8}$ x9 $\frac{5}{8}$ ", projects 2" from wall. 115 VAC. 12 C 8180 X. Shpg. wt., 14 $\frac{1}{4}$  lbs. \$8 Monthly....149.95  
12 C 8181 X. Model N2562. Above, copper finish...149.95

## Remote Stations and Cable for Above

- B** 12 C 7996 X. N2572 Hi-Fi Indoor Remote Station. 8" speaker. Volume/function controls, 2 talk/listen levers. 12x12x2 $\frac{1}{8}$ ". Projects 1 $\frac{1}{2}$ ". White. 5 $\frac{1}{4}$  lbs. 22.49
- C** 12 C 7997 X. N2570 Indoor Remote Station. Above 5" speaker. 6 $\frac{1}{2}$ x9 $\frac{1}{4}$ x1 $\frac{1}{2}$ ". Projects 1 $\frac{1}{8}$ ". 2 $\frac{1}{2}$  lbs. 14.49
- D** 12 C 8183. 2571 Door Remote Station. 6 $\frac{1}{8}$ x4 $\frac{5}{8}$ ". Black/gold. Frame, 5 $\frac{7}{8}$ x3 $\frac{5}{8}$ x1 $\frac{3}{4}$ ". 1 $\frac{1}{2}$  lbs.....9.98  
12 C 8083. 50' Roll 8-Cond. Cable. Wt., 2 $\frac{1}{2}$  lbs.....4.98  
12 C 8185. 250' Roll 8-Cond. Cable. Wt., 8 lbs.....15.93

## Emerson FM-AM Home Intercom System

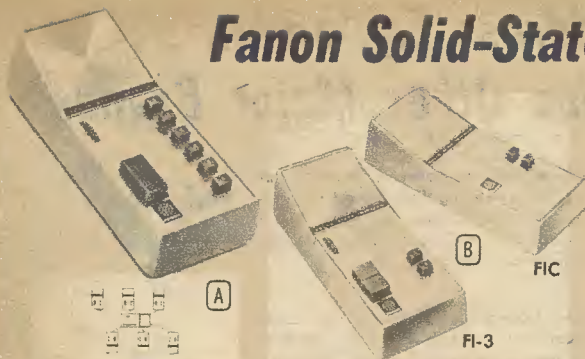


Solid-State **\$99<sup>95</sup>** \$5  
5-Station System monthly

Model RM-16. Complete 5-station FM-AM system delivers FM-AM radio to any desired room, plus intercom convenience between stations. Includes: FM-AM Master Station; 3 Indoor Remote Stations; Door Remote Station; 165' 3-Wire Interconnecting Cable. Master Station has talk/listen switch, system volume control; AM-Off-FM switch; vernier tuning dial. Remote Stations have talk/listen switch; volume control with "off" position. Weatherproof door station lets you identify callers from any room in the house. Solid-state design for instant operation; tuned RF stage for excellent FM reception. Radio is automatically silenced when intercom is used. Units flush-mount in walls 2 or more inches thick. Master Station, 14 $\frac{1}{2}$ x5"; Indoor Remote Stations; 7 $\frac{3}{4}$ x4 $\frac{1}{2}$ "; Door Station, 3 $\frac{3}{8}$ x5 $\frac{5}{8}$ ". Master Station, off-white with gold trim; Remote Stations off-white. Door station gold-anodized aluminum. With low-voltage transformer, 4 plaster mtg. rings. 115 VAC. Wt., 14 lbs. 12 C 8099 X. \$5 Monthly.....99.95



# Fanon Solid-State Intercoms



## A Model FI-7 Solid-State 7-Station Master

Pushbutton operation, one-watt output, volume control, talk/listen switch with lock position, separate module AC power supply. In all Master Station systems (up to 7 Master Stations), units can call one-or-more others, up to 3 separate conversations can be held. In Master Station to Remote Station systems (one Master with up to 6 Remote Stations), Master Station can call one or more Remote Stations; Remote Stations can call Master Station only. Station button No. 6 can be used with PR-15 paging relay below. Gray charcoal finish,  $9\frac{1}{2} \times 4 \times 3\frac{1}{4}$ ". Aluminum trim. See cable requirements below. 115 VAC.

12 C 8232 X. Shpg. wt., 3 lbs. \$5 Monthly. . . . . Each 30.95

12 C 8233 X. Model FI-13 Master Station. As above, for 13 stations. Two paging buttons. Shpg. wt., 4 lbs. . . . . Each 42.95

12 C 8228 X. Model FIR Remote Station. For FI-13, FI-7 Master Stations above. Shpg. wt., 2 lbs. . . . . Each 9.95

**CABLE REQUIREMENTS.** FI-13, FI-7, or FI-3 systems require cable having one more conductor than number of stations. Example: 13-station system uses 14-conductor cable. For paging, use two/more wires than number of stations, plus one shielded cable for each PR-15 paging relay used. *Cable, pg. 380.*

## B Solid-State 2-Station Systems

12 C 8231 X. Model FIC-3 Indoor System. One FI-3 Master Station, one FIC Remote Station, 50' 3-cond. cable. Master Station has two selector buttons. Remote Station, "beep", privacy buttons.  $9\frac{1}{2} \times 4 \times 3\frac{1}{4}$ ". 115 VAC. 5 lbs. . . . . 35.50

12 C 8205 X. Model FID-3 Outdoor System. (Not illus.) FI-3 Master Station, FID Outdoor Remote Station, 50-ft. cable. Weatherproof outdoor Remote Station.  $3\frac{1}{4} \times 4\frac{1}{4} \times 1\frac{3}{4}$ ". "Beep" button. 115 VAC. 5 lbs. . . . . 33.95

12 C 8237 X. FIC Indoor Remote Station. 2 lbs. . . . . Each 10.75

12 C 8238 X. FID Outdoor Remote Station. 2 lbs. . . . . Each 7.65

12 C 8236 X. FIS Staff Station. Acts as Remote Station or Master Station with above. Less cable.  $2\frac{1}{2}$  lbs. . . . . Ea. 27.75

12 C 8229 X. PR-15 Paging/Talkback Relay. For FI-7, FI-13 Master Stations. See cable requirements. 1 lb. . . . . 19.95

12 C 8230 X. TPA Telephone Amplifier. Connects directly to Master Stations for "hands-free" conversations. 2 lbs. 10.50

12 C 8206. BM-3 Fire Sensing Device. Signals at 130° F. Use two shielded wires to Master Station. 8 oz. . . . . Each 3.95

12 C 8207. BM-4 Fire Sensing Device. Above, also detects any rapid temperature rise. Both units operate even when intercom system is "off". For FIC-3, FID-3. Wt. 8 oz. Each 7.75

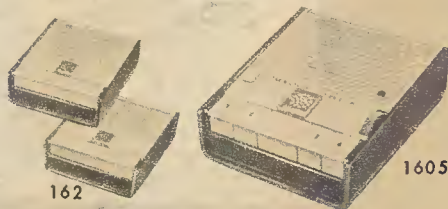
12 C 8208 X. WC-1 Walnut Cabinet. For all "FI" units  $9\frac{1}{2} \times 4 \times 3\frac{1}{4}$ ". Hand-rubbed oiled walnut finish. 1 lb. Each 5.50



**1600 Series  
2-Station Systems**

**Model 1600.** Solid-state 2-station intercom system. Features 3-transistor circuit with push-pull amplifier for fine sound quality. Master Station has press-to-talk bar with lock for hands-free conversations, on-off switch, volume control. Remote Station can "beep" Master Station even when system is "off." Accepts one additional indoor Remote Station or outdoor Remote Station (Models 162 or 161 below.) 50' cable.  $1\frac{3}{4} \times 4\frac{1}{4} \times 5$ ". 110-130 V, 60 Hz AC. Japan. Shpg. wt., 3 lbs. 12 C 8213 X. \$5 Monthly. . . . . 19.95

**Model ES-16 2-Station "Entry-Sentry" System.** Master Station,  $1\frac{3}{4} \times 4\frac{1}{4} \times 5$ ". Outdoor Remote Station,  $4\frac{1}{4} \times 3\frac{1}{4} \times 1\frac{3}{4}$ ". 50' cable. 117 VAC. Japan. Shpg. wt., 2 lbs. 12 C 8214 X. \$5 Monthly. . . . . 19.95



## Model BL-16SY "Starter Set"

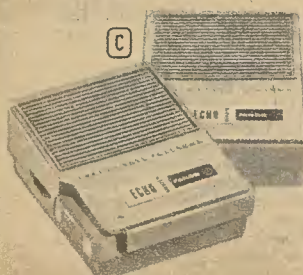
Versatile "starter set" intercom package featuring Model 1605 Master Station; two Model 162 Indoor Remote Stations; two lengths 50' cable. Master Station unit accepts up to 4 Remote Stations, indoor or outdoor. Has Remote Station selector—calls any one of four Remote Stations or all together. Remote Stations have "beep" button to signal Master Station even when system is "off." Cable has plug-in connectors for easy setup. Master Station and Remote Stations,  $1\frac{3}{4} \times 4\frac{1}{4} \times 5$ ". Order additional indoor or outdoor Remote Stations below. For 110-130 V, 60 Hz AC. Shpg. wt.,  $3\frac{1}{2}$  lbs. 12 C 8215 X. \$5 Monthly. . . . . 29.95

12 C 8218. Model 162 Indoor Remote Station. For 1605, 1600 Master Stations. Shpg. wt.,  $1\frac{1}{2}$  lbs. Each 5.25

12 C 8221. Model 161 Outdoor Remote Station. For 1600, 1605 Master Stations. Shpg. wt., 1 lb. . . . . Each 5.25

12 C 8222 X. 50-ft. Roll. Model 2WP Intercom Cable. For 1600 series systems. Plug-in connectors.  $\frac{1}{2}$  lb. . . . . 2.00

12 C 8223 X. 100-ft. Roll. Model 2WP-100 Intercom Cable. For 1600 Series. Plug-in connectors. 1 lb. . . . . 3.40



## New! Solid-State Two-Station Intercom Systems

**C "Echo 2A" Battery-Operated System.** Great for outdoors and campers. Features sensitive push-pull amplifier;  $2\frac{1}{2}$ " speakers. "Beep" button allows signalling even with Master Station "off." Master Station has press-to-talk contour switch, volume control. Requires one 9-volt battery, order below. With 50' cable. Each unit,  $2 \times 3 \times 4$ ". Japan. Shpg. wt.,  $1\frac{1}{2}$  lbs.

12 C 8219 X. . . . . 9.95

18 C 5650. 9-Volt Battery. Shpg. wt., 4 oz. . . . . Each 48¢

**D "Echo 3A" AC Operated System.** Same features as above, but system operates from external 117 VAC power supply. For home, office, etc. With 50' cable. Japan.  $1\frac{1}{2}$  lbs.

12 C 8220 X. . . . . 11.95





# 16-pages of Public Address Equipment . . Allied's Own Products plus Other Major Brands



**Top Quality, Top Names.** Your assurance of value and reliability. We especially recommend the new Allied solid-state amplifiers and new sound-column and microphones.

**Special System Prices.** Choose one of our money-saving Public Address systems in this catalog, or write for a special System Discount Price on components of your own choice.



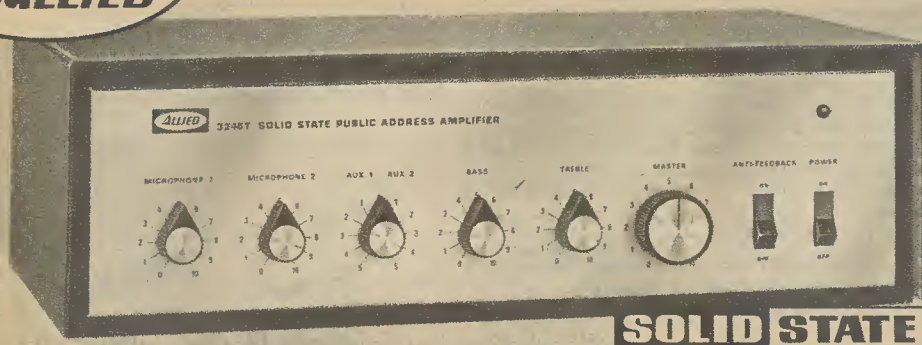
**More People Buy PA Equipment at Allied than Anywhere Else.** Because we offer money-saving prices, brand names, largest stocks, plus system-planning help.

**Free Consulting Service.** Allied can recommend a Public Address system to meet your special needs. Just send us room size, audience size and approximate noise level.



**NEW**  
at **ALLIED**

## ALLIED 45-Watt Solid-State PA Amplifier



**SOLID STATE**

**\$79<sup>95</sup>**  
\$5 monthly



All Solid-State Construction



Hi or Low Impedance Mike Switch



Mike Precedence Feature



Anti-Feedback Switch



Extra-Large Master Gain Control



Two Speaker Outlet Jacks



Rear AC Convenience Outlet

### New Allied 3246T Silicon Solid-State PA Amplifier

Superb performance in any moderate-size PA application such as halls, skating rinks, or outdoors for lectures and shows. Advanced *silicon* solid-state circuit with inverse feedback for full response. Mike precedence feature permits paging over regular program. AC convenience outlet on rear of chassis. Low-frequency filter may be switched-in to cut feedback, protect speakers from overload. Mike inputs switch-controlled for high or low impedance. Two auxiliary inputs for phono, tuner or tape recorder for music-distribution. Can be used in either constant-voltage

or standard impedance installations. Separate, calibrated bass and treble controls. Gain controls for mike and auxiliary inputs, plus extra-large master gain control. Has both screw type and quick-connect speaker connections. 5 $\frac{1}{16}$ x15 $\frac{1}{4}$ x9 $\frac{1}{2}$ ". Handsomely styled in gray case with brushed aluminum front. For 105-130 V, 50-60 Hz AC. Shpg. wt., 10 lbs.

12 C 7042 U, \$5 Monthly ..... 79.95  
12 C 7983 X, New Allied 3201A 4-Speed Manual Phana Top. Attaches atop amplifier with just a screwdriver. 6 lbs. 24.95

#### SPECIFICATIONS

**Power Output:** 45 watts (90 watts peak). **Frequency Response:** 40-10,000 Hz. **Inputs:** 2 Microphone; 2 Auxiliary (crystal or ceramic phono cartridge, tuner, tape recorder). **Controls:** Microphone (2); Auxiliary; Bass; Treble; Master Gain; Anti-Feedback; On-Off. **Outputs:** 4, 8, and 16 ohms, plus 25 volts and 70.7 volts; AC Convenience Outlet. **Solid-State Circuit:** 8 silicon transistors; 3 diodes. **Power Consumption:** 65 watts at 120 volts AC. **Power Requirements:** 105-130 V, 50-60 Hz AC.

#### INSTALLATION NOTES

**Mike Connector:** Amphenol 75MC1F or Switchcraft 2501F (takes 2, 1 supplied). **Auxiliary Connector:** Phono plug (takes 2, 1 supplied). **Speaker Conn.:** Screw terminals; speaker jacks, use Amph. 91MPM3S plugs, not supplied. **Speaker Cable:** Use 2-cond. (not included). **Line Cord:** 2-wire with plug, 7-ft. long. **Ventilation and Mike Plug Space Required Behind Cabinet:** 3 inches. **Ventilation Space Required Above Cabinet:** 5 inches. **Power:** 105-130 V, 50-60 Hz optional Phono Top for 60 Hz AC only.



# ALLIED Solid-State 45-Watt PA Systems

## A Complete 45-Watt Indoor Sound-Column System

Separately, \$176.61. For medium-size churches, auditoriums, gyms, etc. Includes: Allied 3246T Amplifier; Allied 3311 Mike; Atlas MS10C Stand; Two Allied 3300 Sound Columns. Columns. 41x11x6" each. Speaker cable below.  
12 C 0021 L5Z. Wt., 96 lbs. \$8 Monthly.. 159.95  
12 C 7982. Speaker Cable. 2-cond. 50-ft. roll. Shpg. wt., 8 oz. Per Roll 1.79

Save \$16.66

\$159.95

\$8 monthly

## B Deluxe 45-Watt Sound-Column System

Separately, \$226.26. Fine system for larger churches and auditoriums. Includes: Allied 3246T Amplifier; Electro-Voice 664 Cardioid Mike; Atlas MS10C Stand; Two Argos SD1060 Sound Columns. Each column. 30 1/4 x 7 x 3 1/8". Order speaker cable above. Shpg. wt., 62 lbs.  
12 C 0018 L5Z. \$10 Monthly.. 199.95

Save \$26.31

\$199.95

\$10 monthly

## 45-Watt Permanent Outdoor/Indoor PA Systems

C Outdoor PA System. Separately, \$161.82. Save \$21.87. Includes: Allied 3246T Amplifier; Electro-Voice 719 Mike, 16-ft. Cable; 3 Electro-Voice PA-30A Weatherproof Trumpets, Brackets. Speaker cable above. Wt., 25 lbs.  
12 C 0017 L5U. \$7 Monthly.. 139.95

Your  
Choice

D Permanent Indoor System. Separately, \$144.44. Save \$4.49. Same amplifier and mike as above, but uses Four 408CSL Argos 8" Speakers, Baffles. Order speaker cable above. 35 lbs.  
12 C 0016 L6U. \$7 Monthly.. 139.95

\$139.95

\$7 monthly

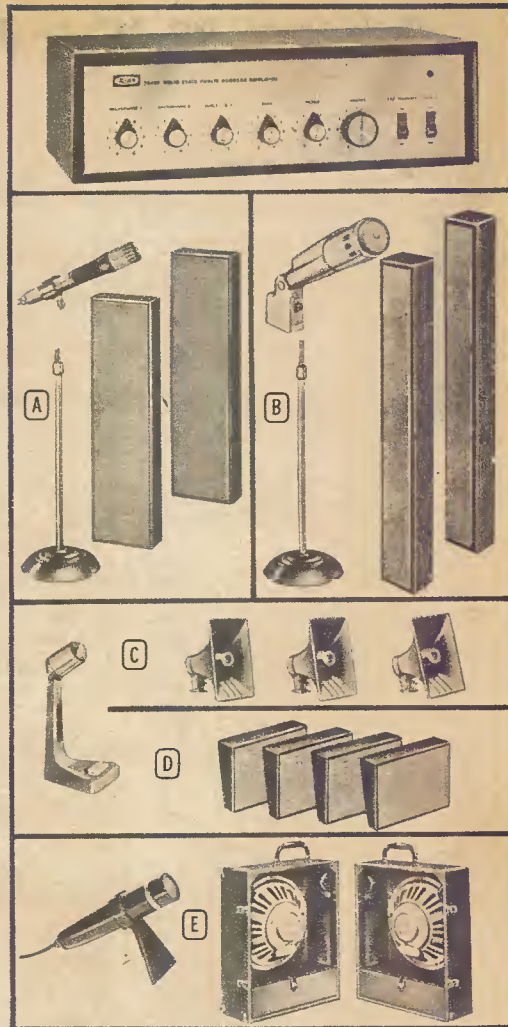
## E Compact 45-Watt Portable PA System

Separately, \$131.25. Compact system packs into speaker case for easy portability. Includes: Allied 3246T Solid-State Amplifier; Allied 4525S Microphone; Two 12" Wide-Range Speakers; Portable Carrying Case. Order speaker hook-up cable above. Shpg. wt., 39 lbs.  
12 C 0015 L5U. \$6 Monthly.. 119.95

Save \$11.30

\$119.95

\$6 monthly



## Allied 3221T Solid-State 20-Watt PA Amplifier and Systems

### Low-Cost ALLIED 3221T 20-Watt PA Amplifier

\$59.95

\$5 monthly

- Advanced Silicon Transistor Circuitry
- Excellent Medium-Size Area Coverage
- Output for Constant-Voltage Systems

Excellent amplifier choice for use where clear, average-size area coverage is required at lowest cost. Features latest silicon solid-state circuit design for cool operation; inverse feedback to dramatically reduce hum and distortion. Fine for both voice and music. Can be used with conventional impedance and constant-voltage speaker installations. Handy AC convenience outlet on back of chassis. Use with high or low-impedance microphones. Gray metal case with brushed aluminum front. 4 1/2 x 13 x 7 5/8". For 105-130 V, 50-60 Hz AC. Shpg. wt., 8 lbs.  
12 C 7041 U. \$5 Monthly.. 59.95

### SPECIFICATIONS

Power Output: 20 watts (40 watts peak). Response: 40-10,000 Hz. Inputs: 1 Mic, 2 Aux. Controls: Mic and Aux faders; Master tone; on-off switch. Gain: Mic, 126 dB; Aux, 83 dB. Outputs: 4, 8, 16 ohms; 25, 70.7 V. Circuit: 6 transistors; 2 diodes. Installation Notes. Connectors: Mic, Amphenol 75MCI F (one supplied); Aux, pin plug (takes 2, 1 supplied). Speakers: Screw terminals; speaker jacks, use Amph. 91MPM3S plugs, not supplied. Space Required: 3" behind, 5" above. Power Requirement: Amplifier, 105-130 volts, 50-60 Hz AC.



### COMPLETE 20-WATT SYSTEMS

Low As

\$78.85



#### Allied Indoor System

Includes: Allied 3221T Amplifier; (F) Allied 4525S Mike; (G) Utoh TS88 8" Speaker in Baffle. Order speaker cable above. Shpg. wt., 12 lbs.  
12 C 0020 L3U. 78.85

#### Allied Portable PA

Allied 3221T Amplifier; (F) Allied 4525S Mike; (H) 2-Piece Case with Two 12" Speakers. System fits in case. Order speaker cable above. Wt., 37 lbs.  
12 C 0019 L4U. 99.95

Depend on Allied for the Latest in Electronic Equipment

ALLIED 225



# ALLIED 80-Watt PA Amplifier and Systems

**NEW**



**All-New! Solid-State  
80-Watt Allied 3281T**

**\$114<sup>95</sup>** \$6  
monthly

- Modern Silicon-Solid-State Circuit
- Separate Bass and Treble Controls
- Multiple Inputs, Mixer Controls
- Large Master Gain Control

**High- or Low-Impedance Mike Switch**

**Mike Precedence Feature for Paging Use**

**Anti-Feedback Switch Prevents Howl, Protects Speakers**

**Two Speaker Output Jacks**

This 80-watt *all-silicon-transistor* amplifier pours out power aplenty to cover large auditoriums, factories or athletic fields, yet is priced surprisingly low. Efficient solid-state circuit draws minimum current for economical operation. Large master gain control, separate mixer controls and inputs for 2 mikes, plus fader for 2 aux inputs. Anti-feed-back switch helps prevent "squeal," also protects trumpet speakers. Separate bass and treble controls. Pilot light. Gray with brushed aluminum panel. 5 $\frac{5}{16}$ x15 $\frac{1}{4}$ x11 $\frac{1}{2}$ ". For 105-130 V, 50-60 Hz AC. Shpg. wt., 17 lbs.

12 C 7040 U. \$6 Monthly..... 114.95  
12 C 7983 X. New Four-Speed Phono Top. Shpg. wt., 6 lbs. \$5 Monthly..... 24.95

## SPECIFICATIONS

**Power Output:** 80 watts. **Response:** 40-10,000 Hz. **Inputs:** 2 Mic, Hi or Low Imp. (switch controlled); 2 Aux (ceramic or crystal phono, tuener, or tape). **Gain:** Mic, 118 dB; Aux, 89 dB. **Hum and Noise:** Mic, 43 dB below rated output; Aux., 66 dB below rated output. **Outputs:** 4, 8, 16 ohms; 25 and 70.7 V.

## INSTALLATION NOTES

**Mike Connectors:** Amphenol 75MC1F or Switchcraft 2501F (takes 2, 1 supplied). **Aux Connectors:** Pin plug (takes 2, 1 supplied). **Speaker Connectors:** 2 screw term.; **Spkr. Jacks:** use Amph. 91MPM38. **Line Cord:** 7-ft., 2-wire. **Space Req. Behind Cabinet:** 3". **Vent Space Above Cabinet:** 5". **Power Consumption:** 150 watts.

**Save \$24.66**

**\$186<sup>95</sup>**

\$10 monthly

**Save Up to \$38.40 on 80-Watt  
Solid-State PA Systems**

### A 80-Watt Indoor Sound-Column System

*Separately, \$211.61.* Allied 3281T Amplifier; Allied 3311 Mike; Atlas MS10C Stand; two Allied 3300 Sound-Columns. Columns, 12x11x60". Speaker cable below.

12 C 0025 15Z. Wt., 106 lbs. \$10 Monthly..... 186.95

12 C 0024 17Z. *Save \$38.56.* Above, but Four Sound-Columns. *Separately, \$281.51.* 177 lbs. \$13 Monthly..... 244.95

### B 80-Watt Indoor/Outdoor PA System

*Separately, \$298.35.* Includes: Allied 3281T Amplifier; Shure 555W Mike; Six Electro-Voice PA-30A Weatherproof Speakers. Speakers have response to 14,000 Hz. Mount vertically or horizontally. Covers large factories, arenas or stadiums. Order speaker cable below. Shpg. wt., 189 lbs.

12 C 0023 18Z. \$13 Monthly..... 259.95

### C 80-Watt 6-Speaker Permanent PA System

*Separately, \$212.58.* Six wall baffles cover large schools, churches or stores. System includes: Allied 3281T Amplifier; Shure 450 Push-To-Talk Mike; 6 Argas 408CSL 8" Wall Baffles. Order speaker cable below. Shpg. wt., 165 lbs.

12 C 0022 18Z. \$10 Monthly..... 194.95

### D 80-Watt Portable PA System

*Separately, \$166.25.* Packs into single carrying case. Includes: Allied 3281T Amplifier; Allied 4525S Mike; Two 12" Wide-Range Speakers; Portable Carrying Case. Order speaker cable below. Wt., 46 lbs.

12 C 0026 15Z. \$8 Monthly..... 154.95

12 C 7982. Speaker Cable. 2-conductor. 50-ft. roll. Shpg. wt., 8 oz. Per roll 1.79

**Save \$38.40**

**\$259<sup>95</sup>**

\$13 monthly

**Save \$17.63**

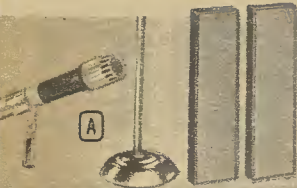
**\$194<sup>95</sup>**

\$10 monthly

**Save \$11.30**

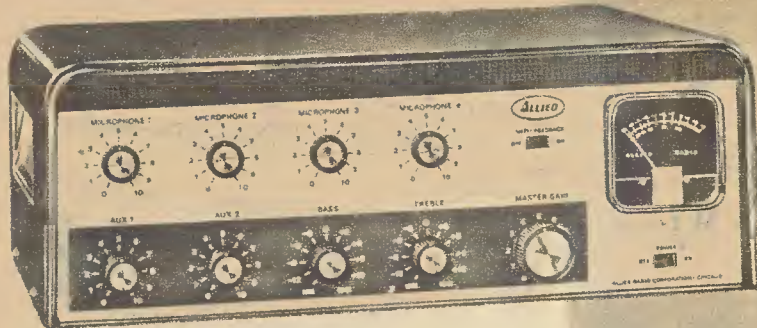
**\$154<sup>95</sup>**

\$8 monthly





# ALLIED—Knight 60-Watt PA Amplifier



**3060HD Heavy-Duty  
60-Watt PA Amplifier**

**\$179<sup>95</sup> \$9  
monthly**

- Special Design for Heavy-duty Use
- Six Inputs with Individual Controls
- Jack for Simultaneous Recording
- Separate Bass and Treble Controls

Rugged heavy-duty amplifier boasts high-capacity power supply with extra-large transformer and over-size filter capacitor. Special low-noise Mullard tubes used in preamp section. Has all the controls and inputs you need for maximum sound system flexibility. Sound-level meter lets you preset each input to level desired, or properly set volume even if speakers are far from amplifier.

Four microphone and two auxiliary inputs, all high-impedance, each with mixer control. Master gain sets volume for all sources without disturbing individual settings. Separate bass and treble controls. Tape recording output jack. Output tube balance and hum-bucking controls, anti-feedback, trumpet protector switch.

Meter calibrated control. Provision for plug-in low impedance mike transformer (below). Local/remote mike control adapter. Gray and green. Size, 6 $\frac{1}{8}$ x17 $\frac{1}{4}$ x11". For 110-130 V, 50-60 Hz AC. Shpg. wt., 35 lbs.

12 C 7976 U. \$9 Monthly..... 179.95

12 C 7977. Low-Impedance Transformer. Plugs in to permit use of 50 to 60-ohm mikes with long lines. Shpg. wt., 1 lb. .... 13.75

Sound Level Meter Lets You Preset Each Fader



Positive-Locking Microphone Input Connectors



"Quick-Set" Impedance and Constant Voltage Selector



Anti-Feedback Switch Protects Speakers



Handles up to Four Mikes plus Two Other Sources



Master Gain Sets Volume Without Disturbing Faders



## SPECIFICATIONS

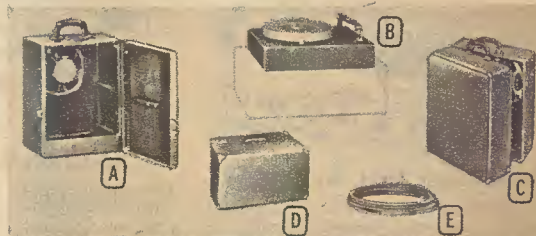
## INSTALLATION NOTES

**Power Output:** 60 watts rms. (120 watts peak). **Response:**  $\pm 1$  dB, 30-20,000 Hz. **Inputs:** 4 mic; 2 aux. (crystal or ceramic phono, tuner, tape, magnetic phono). **Outputs:** 4, 8, 16 ohms; 25 and 70.7 volts; high-imp. **Tubes:** two 6CA7, four 12AX7A, 6AV6; plus 5V3 rect. and selenium rect.

**Mike Connector:** Cannon XLR-3-12C or Switchcraft A3M (takes 4, 1 supplied). **Aux Connector:** Pin plug (phono; takes 2, 1 supplied). **Speaker Conn.:** 2-conductor (not supplied). **Line Cord:** 3-wire, 7-ft. long. **Space Required Behind Case:** 5". **Ventilation Space Req. Above Case:** 8".

## Accessories for PA Systems

- A** Carrying Case. For amplifiers up to 17x11 $\frac{1}{4}$ x7", two 12" speakers. 21 $\frac{1}{2}$ x17 $\frac{1}{2}$ x12". Wt., 19 lbs. 12 C 7978 U. \$5 Monthly..... 19.95  
12 C 0027 D3U. With Speakers. Wt., 29 lbs..... 29.98
- B** Allied 3201A New 4-Speed Manual Phono. For Allied 3246T, 3281T. With cartridge. 110-V, 60 Hz. AC. 12 C 7983 X. Shpg. wt., 6 lbs. \$5 Monthly..... 24.95
- C** Speaker Carrying Case. For two 12" speakers. Size, 17 $\frac{3}{4}$ x14 $\frac{1}{2}$ x12". Shpg. wt., 14 lbs. 12 C 7980 U..... 16.50  
12 C 0028 D3U. Case With Speakers. Wt., 26 lbs..... 26.60
- D** Amplifier Carrying Case. Sturdy wood construction. For amplifiers to 15 $\frac{5}{8}$ x11 $\frac{1}{4}$ x5 $\frac{3}{4}$ ". Wt., 8 lbs. 12 C 7981 X..... 9.95
- E** Speaker Cable. 2-cond. POSJ cord with #20 stranding. Stripped, tinned. In 50-ft. roll. Wt., 8 oz. 12 C 7982. Roll..... 1.79



## Ampli-Vox 35-Watt Paging System



Amplifier Alone

**\$89<sup>95</sup>**

Complete System

**\$124<sup>95</sup>**

## Ampli-Vox S-400 Solid-State 35-Watt Amplifier

Separate controls permit background music without interfering with paging. Inputs: 1 Mic (Lo-Z to 50K); Hi-Z aux for mag. or cer. phono, tuner, tape. Output: 35 watts (50 watts peak). 50-15,000 Hz. Impedance: 4, 8, 16 ohms; 25 V, 70.7 V; 600-ohm line. 8 $\frac{3}{8}$ x3 $\frac{1}{4}$ x8 $\frac{3}{8}$ ". For 105-125 VAC/12 VDC. 8 lbs.

12 C 7053 X. \$5 Monthly..... 89.95

## 35-WATT PAGING AND BACKGROUND MUSIC SYSTEM

An excellent value. Includes: S-400 Amplifier; E-V 600E Low-Imp. Push-to-Talk Mike, 2 University DLC Weatherproof Speakers. 400-10,000 Hz. Order speaker cable above. 12 C 0010 L4X. Paging System. 15 lbs. \$7 Monthly..... 124.95

Fill All Your PA Needs Immediately—Use Allied's Credit Fund Plan

ALLIED 227



# Bogen Quality Public Address Components



## Challenger Series CHS Solid-State Amplifiers

**CHS100.** Powerful 100-watt all silicon transistor amplifier featuring 2 high or low-impedance mike inputs with faders. Master volume, bass, treble controls. Distortion: less than 5% at 100 watts. Response:  $\pm 2$  dB, 40-20,000 Hz. Impedance: 2, 8, 16 ohms; 25 and 70-V lines.  $5\frac{1}{2} \times 10\frac{1}{2} \times 15\frac{1}{4}$ ". For 105-125 V, 50-60 Hz AC. Shpg. wt., 24 lbs.

12 C 7311 U. \$8 Monthly. . . . 157.15

**CHS50.** As above but 50-watt output. 4-ohm instead of 2-ohm impedance. Shpg. wt., 21 lbs.

12 C 7312 X. \$7 Monthly. . . . 127.45

**CHS35.** Same as CHS50, but 35 watts. Non-silicon output stage. 17 lbs.

12 C 7313 X. \$6 Monthly. . . . 104.95



Mounts in Series CHS Above

## PMA-2 Preamplifier

Mounts into front panel of CHS amplifiers to give 2 more hi or lo-Z mike inputs, controls.  $1\frac{1}{2} \times 6\frac{3}{4} \times 3\frac{3}{8}$ ". 3 lbs.

12 C 8262. \$5 Monthly. . . . 32.95



## Challenger Tube Amplifiers

**CHB100.** Tube equivalent of CHS100 described above. 100-watt amplifier has 2 high impedance microphone inputs (no low-impedance) with separate controls, 2 auxiliary inputs with fader, and magnetic phono input. Master volume, bass, and treble controls. Distortion: less than 5% at 100 watts. Response:  $\pm 2$  dB, 40-20,000 Hz. Impedance: 4, 8, 16 ohms; 25 and 70-volt lines.  $6\frac{3}{4} \times 15\frac{3}{4} \times 10$ ". For 105-125 volts, 50-60 Hz AC. Optional phono-top below. Shpg. wt., 25 lbs.

12 C 7315 U. \$7 Monthly. . . . 129.00

**CHB50.** Above, but 50 watts. 22 lbs.

12 C 7347 K. \$5 Monthly. . . . 97.50

**CHB35A.** Above, but 35 watts. 20 lbs.

12 C 7346 K. \$5 Monthly. . . . 81.00

**LPC4 4-Speed Phono-Tap** for Bogen PA Amps. With cartridge, mounting brackets.  $5 \times 13 \times 9\frac{1}{2}$ ". 60 Hz AC. 7 lbs.

12 C 7373 X. \$5 Monthly. . . . 26.25



A

**\$178.50**  
\$9 monthly

Mixer-Preamp  
Mixes 5 Mike  
and 2 Aux.  
Inputs  
Simultaneously

**A MXM-A Mixer-Preamp.** 5 hi-Z mike inputs (convert to 200 ohms with T200 transformer; 1 converts to mag. phono/tape); 2 bi-Z. aux. inputs, 1 bridging. Level meter; hi-Z output or 600-ohm with TL600 transformer; speech filters for each ch.; notch filters. 18-38,000 Hz.  $\pm 1$  dB.  $4\frac{3}{4} \times 16\frac{1}{2} \times 12$ ". 105-125 V. 50-60 Hz AC. 23 lbs.

12 C 7310 U. \$9 Monthly. . . . 178.50

**B MTA60 Solid-State 60-Watt Amplifier.**

All silicon. 3 low-Z mike inputs, 2 aux.  $\pm 1$  dB, 30-20,000 Hz. For 105-125 V, 50-60 Hz AC. Wt., 23 lbs.

12 C 7078 X. . . . 154.50

**MTA30.** Above, but 30 watts. 19 lbs.

12 C 7075 X. \$7 Monthly. . . . 123.00



B



D

**C MX6AT Solid-State Mixer Preamp.** Adds extra mike channels to amplifier or tape recorder. 4 high or low impedance inputs; separate vol. control.  $\pm 2$  dB, 50-20,000 Hz.  $9\frac{1}{4} \times 6\frac{1}{2} \times 2\frac{3}{8}$ ". For 117 V, 50-60 Hz AC. Wt., 6 lbs.

12 C 7349 X. \$5 Monthly. . . . 48.75

**D MO100A 100-Watt Booster-Amplifier.**

Has 115-V industrial output. Provision for paralleling several amplifiers. Response:  $\pm 1$  dB, 8-50,000 Hz. Distortion: under 2% at 100 watts. Impedance: 16 ohms; balanced 25, 70, 115-volt line. Requires 2-volt input. Size,  $6\frac{3}{4} \times 8 \times 13$ ". For 105-125 V, 50-60 Hz AC. Shpg. wt., 33 lbs.

12 C 7316 U. \$8 Monthly. . . . 150.00



## 35-W Mobile Amplifier

**BT35A.** Solid-state. One mike, 2 aux. inputs. Under 10% distortion at 35 watts.  $\pm 3$  dB, 150-15,000 Hz. 4, 8, 16 ohms.  $3 \times 8 \times 6\frac{1}{4}$ ". For 12 VDC. Wt., 8 lbs.

12 C 7393 X. \$5 Mo. 85.50

## Plug-In Transformers

Plug into socket on amps. 1200 Mike Xformer. 200ohm.

12 C 7381. 2 lbs. . . . 12.90

TL600 Line Xformer. For

MXMA, MO100A, 500/600u.

12 C 7367. 2 lbs. . . . 13.20



## MX60A 60-Watt Amplifier

Five mike inputs (4 convert to lo-Z with T200, above, one to mag. phono/tape bead) plus 2 aux. Simultaneously mix and fade 6 inputs. 10-38,000 Hz. 4, 8, 16 ohms; bal. 25 and 70 V (83 ohms) line.  $4\frac{3}{4} \times 16\frac{1}{2} \times 12$ ". 117 VAC.

12 C 7379 U. 37 lbs. \$11 Mon. 217.50

**MX30A 30-Watt Amp.** 163-ohm output, instead of 83. 34 lbs.

12 C 7380 U. . . . 172.50



## M60A 60-Watt Amplifier

Has 3 mike inputs (1 converts to phono). Master gain; separate bass, treble controls. Level markers.  $\pm 2$  dB, 35-20,000 Hz. 4, 8, 16 ohms; bal. 25, 70 V (83 ohms) line. Less than 2% distortion at 60 watts.  $16\frac{1}{4} \times 5\frac{3}{4} \times 13$ ". For 105-125 V, 50-60 Hz AC. 29 lbs.

12 C 7369 U. \$8 Monthly. . . . 154.50

12 C 7382 U. M330A 30-Watt Amp. 163-ohm output instead of 83. 20 lbs. . . . 123.00



**\$191.05**  
\$10 monthly

## VP25A 20-W Transcription Player

One side of case is 20-watt amplifier/player; other side is 12" speaker with 25' cable. Automatic cueing. Variable 29-86 rpm, click-stops at 16, 33 $\frac{1}{3}$ , 45, 78-rpm.  $\pm 1$  dB, 45-18,000 Hz. Inputs: 2 hi-Z mikes, phono.  $15\frac{1}{4} \times 16\frac{1}{2} \times 10\frac{3}{4}$ ". 115 V, 60 Hz.

12 C 7322 U. Wt., 40 lbs. \$10 Monthly. 191.05

**VP50-ADS.** 40 watts. Two 12" speakers. 4, 8, 16 ohms; 25, 70 V.  $7 \times 15\frac{3}{4} \times 16\frac{1}{2}$ "; speaker case,  $16\frac{1}{2} \times 15\frac{3}{4} \times 11\frac{1}{2}$ ".

12 C 7378 L2U. 60 lbs. \$14 Monthly. . . . 265.55



# ALLIED Dynamic Microphones and Outfits



3310P Outfit

Save \$2.90

**\$59<sup>95</sup>**

\$5 monthly

Two 3310 Mikes  
in Carrying Case

## 3310 Cardioid-Dynamic Mike

- 40-16,000 Hz Frequency Response
- 50,000 Ohms • -54 dB Sensitivity

Highly effective cardioid pattern suppresses noise, reverberation, and feedback. Comfortable hand-held design, but may be mounted on standard threaded stand with stand coupler and swivel mount (included). Or, use with desk stand as illustrated. Response, 40-16,000 Hz. Impedance, 50,000 ohms. Sensitivity, -54 dB. 7<sup>7</sup>/<sub>32</sub>x1<sup>13</sup>/<sub>16</sub>" diameter. Satin-chrome zinc die-cast housing. With 5-ft. 3-conductor shielded cable and 3-prong connector, 5/8"-27 stand coupler, swivel mount, desk stand. Japan.  
12 C 7159. 1 1/2 lbs. \$5 Monthly. 24.95

3310P Outfit. Two 3310 mikes in handsome mar-resistant beige polystyrene carrying case. Velvetine lined. Steel latch. 13 1/2 x 11 3/4 x 2 1/2". 6 lbs.  
12 C 7158. \$5 Monthly. 59.95  
12 C 7160. Case Alone. 3 lbs. 12.95



ALLIED 3310

**NEW**

Ideal for Use  
in Directional  
Applications

**\$24<sup>95</sup>**

\$5 monthly



3311P Outfit

Save \$2.90

**\$49<sup>95</sup>**

\$5 monthly

Two 3311 Mikes  
in Carrying Case

## Model 3311 Dynamic Mike

- 45-15,000 Hz Frequency Response
- 10,000 Ohms • -65 dB Sensitivity

Quality-constructed omnidirectional dynamic mike gives high performance. Comfortable hand-held design, but may be used as desk mike with stand included. Has an excellent 45-15,000 Hz frequency response. Impedance, 10,000 ohms. Sensitivity, -65 dB. 10 1/8 x 1 3/8" diameter. On/off switch. Attractive chrome and black zinc die-cast housing. With 5-ft. 2-conductor shielded cable and 2-prong connector, desk stand, mike holder, 5/8"-27 stand coupler, swivel mount. Japan.  
12 C 7156. 1 1/2 lbs. \$5 Monthly. 19.95

3311P Outfit. Two 3311 mikes in deluxe form-fitted carrying case. Velvetine lined. Beige polystyrene. Steel latch. 13 1/2 x 11 3/4 x 2 1/2". 6 lbs.  
12 C 7155. \$5 Monthly. 49.95  
12 C 7157. Case Alone. 3 lbs. 12.95



ALLIED 3311

**NEW**

Wide Response  
is Perfect for  
Hi-Fi Systems

**\$19<sup>95</sup>**

\$5 monthly



4525P Outfit

Save \$2.00

**\$33<sup>75</sup>**

\$5 monthly

## Model 4525 Dynamic Mike

- 70-12,000 Hz Frequency Response
- -63 dB Sensitivity • 12-ft. Cable

Low-cost, high-grade omnidirectional dynamic mike for general-purpose use. May be hand-held or used as a desk mike with stand (included). Durable constructed for hard service and long life. Provides performance of mikes priced considerably higher. Has 70-12,000 Hz frequency response; -63 dB sensitivity. High impedance. 4 3/4 x 1" diameter. High-impact Cycolac® chrome-trimmed housing. With 12-ft. cable and molded phone plug.  
12 C 7162. Shpg. wt., 1 lb. 12.95  
12 C 7015. 4525S. Similar to above but has on-off switch. 13.95

4525P Outfit. Two 4525 mikes in 8 x 10 1/2 x 3" carrying case.  
12 C 7164. \$5 Monthly. 3 lbs. 33.75  
12 C 7163. Case Alone. 1 lb. 9.85



ALLIED 4525

**NEW**

High-Performance  
General-Purpose  
Mike on Stand

**\$12<sup>95</sup>**

Use Your Allied Credit Fund to Buy Your Microphone

ALLIED 229



**NEW!**

Ideal for Entertainers,  
PA and Recording

**\$6300**

\$5 monthly

**548S "Unidyne IV"  
Dynamic Cardioid Mike**

Rugged, feedback-free unidirectional dynamic mike for entertainers, PA systems and hi-fi recording. Features improved shock mounting; wind, pop & blast filters; on-off switch and swivel mount. 40-15,000 Hz response. Dual impedance: low-Z, -55.5 dB; hi-Z, -55 dB. 15-ft., 2-conductor detachable cable with broadcast-type Cannon connector. Smart chrome and black housing. 5 1/16 x 1 3/16" dia. Shpg. wt., 2 1/4 lbs.

12 C 7200. \$5 Monthly. . . . . 63.00  
12 C 7203. 548. Above, but no on-off switch or swivel mount. With swivel adapter. Shpg. wt., 2 lbs. . . . . 60.00

**\$600**

\$5 monthly



**\$2400**

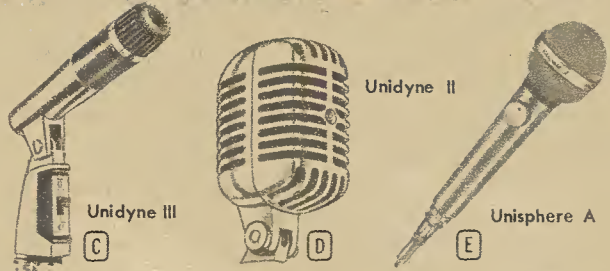
\$5 monthly

**Dynamic Cardioid Mikes**

**A** 565S "Unisphere I." Feedback-free, dynamic cardioid ball-type mike for hi-fi recording and PA applications, indoors or out. Wire-mesh screen protects from breath blasts and wind. 50-15,000 Hz. Outputs: 50-250 ohms, -57 dB; hi-Z, -55 dB. 15-ft. detachable cable, on-off switch, swivel mount, chrome and black housing. 6 3/4 x 2". Shpg. wt., 2 1/2 lbs.  
12 C 7211. \$5 Monthly. . . . . 60.00  
12 C 7303. 565. Above, no on-off switch. Swivel adapter. 2 1/2 lbs. . . . . 57.00  
12 C 7216. 566. Deluxe version of 565S, shock mtd. 40-15,000 Hz. 2 3/4 lbs. . . . . 84.00

**B** New 5155A "Unidyne B." Low-cost dynamic cardioid mike solves sound system feedback and boominess problems. 80-13,000 Hz. Hi-Z output, -58 dB. On-off switch and swivel adapter for stand or hand-held use. 15-ft. 1-conductor, non-detachable shielded cable. Chrome and black housing, 6 7/16 x 1 1/2" dia. 1 1/2 lbs.  
12 C 7217. \$5 Monthly. . . . . 24.00  
12 C 7227. 5155B. Low-Z version of above, -59.5 dB. 15' 2-cond. cable. . . . . 21.00

**SHURE Mikes for P , .**



**"Unidyne" and "Unisphere" Dynamic Cardioid Mikes**

**C** 545S "Unidyne III." Versatile, unidirectional dynamic mike for feedback-free use by entertainers and speakers and in hi-fi recording and public address work. Features "on-off" switch and swivel mount to permit aiming it in any direction. Wind and "pop" filter reduces voice and wind noises for clear voice reproduction. 50-15,000 Hz response. Outputs: low-Z, 50-250 ohms, -57 dB; hi-Z, -55 dB. With 15' detachable cable. 5 3/4 x 1 1/4". 3 lbs.  
12 C 7133. \$5 Monthly. . . . . 53.97

12 C 7161. 545. Above, but no on-off switch. Swivel adapter. . . . . 51.00  
12 C 7458. 546. Deluxe version of 545S. Shock-mounted. Shpg. wt., 3 3/8 lbs. . . . . 81.00

**D** 55SW "Unidyne II." 50-15,000 Hz response. Outputs: low-Z, 35-50 ohms, -55 dB; 150-250 ohms, -56 dB; hi-Z, -55 dB. Features on-off switch, swivel mount and 15' cable. 4 1/2 x 2 1/4 x 3 1/4". Wt., 3 1/8 lbs.  
12 C 7135. \$5 Monthly. . . . . 51.00

12 C 7234. 55S. Above, but no on-off switch. \$5 Monthly. . . . . 49.80  
12 C 7235. 556S. Deluxe version of 55SW. Response, 40-15,000 Hz. Shock mounted. . . . . 81.00

**E** 585SAV. "Unisphere A." Ball-type unidirectional dynamic mike with anti-feedback feature and "pop-proof" filter for undistorted voice and music transmission, indoors or outdoors. Has volume control to regulate amplifier output at mike. For use with high-quality sound systems or hi-fi recording systems in auditoriums, theaters, churches, night clubs, picnic areas, ball parks—anywhere fine voice or music transmission is needed. 50-13,000 Hz response. Hi-Z only. -56.5 dB. Shock mounted replaceable cartridge. One-conductor, 15-ft. detachable shielded cable. 6 3/4 x 2 1/6" dia. 2 1/4 lbs.  
12 C 7232. \$5 Monthly. . . . . 43.50

12 C 7266. 585SAVC. Above with pre-wired plug end assembly for use as MC1F, MC1M or phone plug. . . . . 44.70  
12 C 7274. 585SBV. 585SAV above, but low-Z only. . . . . 43.50  
12 C 7304. 585SA. Same as 585SAV, but no volume control. . . . . 39.00  
12 C 7231. 585SAC. Same as 585SA above, with pre-wired plug end assembly for use as MC1F, MC1M or phone plug. . . . . 40.20  
12 C 7305. 585SB. 585SA above, low-Z. 2-cond. 15' cable. . . . . 34.80

**Lavalier-Type Recording and PA Microphones**



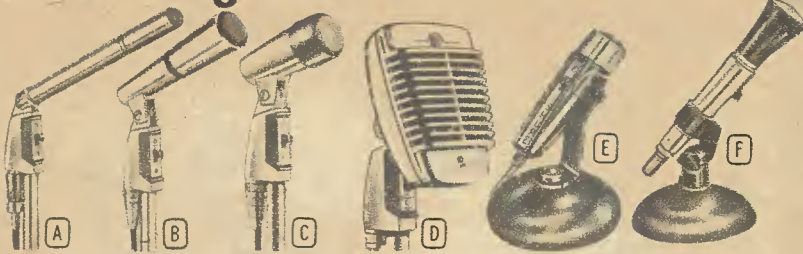
**F** Model 560. Dynamic omnidirectional mike for lavalier, hand-held and gooseneck-mounted use. With lavalier assembly for lectures, demonstrations and ceremonies where hands must be kept free. 40-10,000 Hz. Dual output: 150-250 ohms or hi-Z, -56.5 dB. 18' cable. 4 x 1 1/2".  
12 C 7461. \$5 Monthly. Shpg. wt., 1 lb. . . . . 25.50

**G** 420. Controlled magnetic omnidirectional, with lavalier assembly for PA uses where hands must be kept free. Also for hand-held and gooseneck-mounted applications. 60-10,000 Hz. -150-250 ohms or hi-Z -52 dB. 20' cable. 3 3/4 x 1 3/4".  
12 C 7212. Shpg. wt., 12 oz. . . . . 18.00

**H** 545L "Unidyne III." Broadcast-quality dynamic cardioid mike for lavalier use in PA and hi-fi recording work. Full 50-15,000 Hz hi-fi response. Output: low-Z, -57.5 dB. 20' cable. With lavalier assembly. 5 1/8 x 1 1/4". Shpg. wt., 2 lbs.  
12 C 7339. \$5 Monthly. . . . . 42.00



# Recording and Communications



## General-Purpose Omnidirectional Dynamic Mikes

- A** 578S "Omnidyne." Super slim for comfortable hand use. 50-17,000 Hz. Hi-Z/250 ohms, -59 dB. 15' cable. Swivel mount, on-off switch. 12 C 7460. Wt., 2 lbs. .... \$4.00  
 12 C 7442. 578. Above, but for hand/stand use. Swivel adapter. .... \$4.50
- B** 550S. 50-15,000 Hz response. Hi-Z/50-250 ohms, -57.5 dB. 15' cable, swivel mount. 6 1/2 x 1 1/2" dia. Shpg. wt., 2 1/4 lbs.  
 12 C 7459. \$5 Monthly. .... \$4.40
- C** 545S "Sonadyne II." 50-13,000/400-6000 Hz. On-off. Hi-Z/50-250, -57 dB. Swivel mt. 15' cab. 3 3/8 x 1 3/4".  
 12 C 7132. Wt., 3 1/8 lbs. .... \$2.97  
 12 C 7395. 540. No switch. .... \$2.77

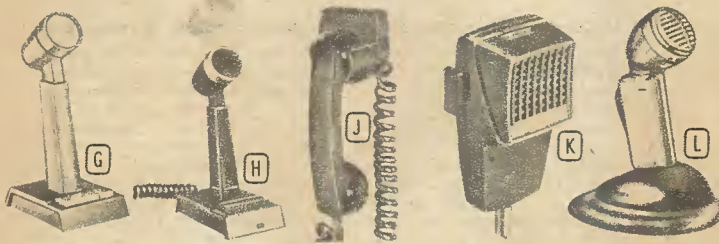
- D** 51S "Sonodyne I." Average -51 dB output. 30-50/150-250 ohms/Hi-Z, 60-10,000 Hz. Swivel adapter. 15' cable. 4 1/2 x 3 1/8 x 3 1/8". 3 1/2 lbs.  
 12 C 7136. \$5 Monthly. .... \$3.90  
 12 C 7228. 51. No switch. .... \$2.70
- E** 575S. 40-15,000 Hz. Hi-Z, -56 dB. On-off switch, stand adapter, lavalier cord. 7' cable. Less base. 4 3/4 x 1 1/8" dia. Wt., 1 lb.  
 12 C 7462. .... \$4.40  
 12 C 7471. 575SB. Above, low-Z \$2.60
- F** 430. Controlled magnetic. 60-10,000 Hz. 150-250 ohms/Hi-Z, -52 dB. On-off switch, swivel adapter, 15' cable. Less base. 6 3/4 x 1 3/4" dia.  
 12 C 7213. 2 1/4 lbs. \$5 Monthly. \$2.10



## 5335A Omnidirectional Dynamic Mike

**\$3000**  
\$5 monthly

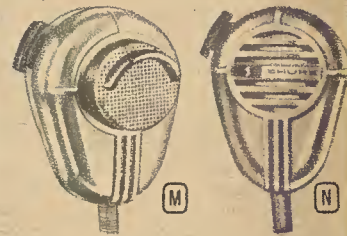
Excellent performing hi-Z dynamic mike for tape recording, entertainers and PA applications. Ideal for auditoriums, theaters, churches, night clubs, parks and stadiums. Wind, breath and pop filters eliminate explosive noises indoors or outdoors. On-off switch. Response: 40-11,000 Hz. Hi-Z, -54.5 dB. One-conductor, shielded 15' cable. Swivel adapter. Satin chrome. 6 3/8 x 2 1/8". Wt., 1 3/4 lbs.  
 12 C 7309. \$5 Monthly. .... \$3.00  
 12 C 7318. 5335AC. Above, but with prewired plug end for use as MC1F, MC1M or phone plug. .... \$3.20  
 12 C 7338. 5335S. 5335A above, but low-Z, -55.5 dB. .... \$2.50



## Omnidirectional Mikes for Communications and Paging

- G** 450. Controlled magnetic mike with adjustable stand and lockable push-to-talk bar. Mike relay. 100-10,000 Hz. Hi-Z, -54 dB; low-Z, -55 dB. 2-tone gray "Armo-Dur" case. 7' cable. 10 1/2 x 5 3/4 x 4". Wt., 2 1/4 lbs.  
 12 C 7444. \$5 Monthly. .... \$2.90
- H** New 444T. Controlled magnetic mike with transistorized preamp and volume control for variable high output and maximum modulation. Adjustable mike height, lockable push-to-talk bar, self-contained battery. 200-6000 Hz. Less than 1000, ohms. 10 1/2 (adj.) x 4 x 5 3/4". 2 1/2 lbs.  
 12 C 7449. \$5 Monthly. .... \$2.90  
 12 C 7441. 444. Above, but no preamp. Hi-Z only. \$5 Monthly. .... \$2.50

- J** TH100. Professional mobile telephone handset. Controlled magnetic. 200-3000 Hz. Transmitter, Hi-Z; receiver, 125 ohms. Cradle for dashboard mounting. 4' coiled cable. Black "Armo-Dur" case. Handset, 8 1/2 x 2 1/2 x 2 1/2"; cradle, 3 1/4 x 3 x 3".  
 12 C 7307. Wt. 2 1/8 lbs. .... \$3.80
- K** 202. Ceramic, noise-canceling. 200-4000 Hz. Hi-Z, -50 dB. Press-to-talk. Bracket, 5' coiled cable.  
 12 C 7465. Wt., 1 lb. .... \$2.00
- L** 520SL. Controlled magnetic mike with lockable grip-to-talk bar. 100-9000 Hz. Hi-Z, -52.5 dB. 7' cable. Chrome/green, 9 3/8 x 5 x 7". 5 lbs.  
 12 C 7233. \$5 Monthly. .... \$2.00



## Communications Mikes

- M** 488T. Transistorized, controlled magnetic, noise-canceling mike. FAA approved. Replaces carbon types. 200-4000 Hz. -3 dB. Push-to-talk switch, bracket, 5 1/2' coiled cable. 3 3/4 x 2 3/8 x 2 1/8". 1 lb.  
 12 C 7306. \$5 Monthly. .... \$3.50  
 12 C 7440. 488B. Above, but no transistorized preamp. 150-250 ohms. Output, -37 dB. .... \$3.50
- N** 404C. Controlled magnetic, Hi-Z. 400-4000 Hz. -54 dB. Push-to-talk switch, bracket, 6 1/2' coiled cable. 3 3/4 x 2 3/8 x 2". 1 lb.  
 12 C 7141. .... \$1.80  
 12 C 7140. 404B. Above, but 150-250 ohms. Output: -52 dB. \$1.80

## Accessories for Shure Microphones Sold on These Two Pages

- P** A-25B Adapter. 90° swivel adapter for all Shure mikes. 5/8" - 27 thread. Shpg. wt., 1/2 lb.  
 12 C 7446. .... \$3.30
- R** A-2WS Windscreen. For models 545S, 545, 545L, 546, 578 & 578S. 4 x 2 1/4". Wt., 5 oz.  
 12 C 7308. .... \$3.60

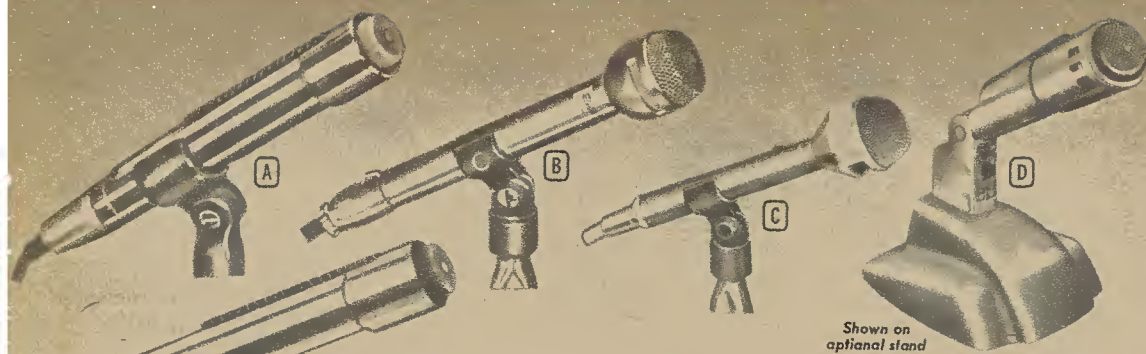
- S** A95A Transformer. Low-Z to Hi-Z. Matches 35-50 or 150-250 ohms. MC1F output. XL-3-11 input = 1 dB, 20-20,000 Hz.  
 12 C 7466. 2 1/2 x 3 1/4". 9 oz. .... \$10.50
- T** S-38B Base. For Shure mikes with stand adapter. Wt., 1 1/2 lbs.  
 12 C 7445. .... \$2.70



Allied Is Your One-Stop Center for All PA Equipment

ALLIED 231





Shown on optional stand

Has Continuously Variable-D For Maximum Front-to-Back Ratio with Uniform Response

**\$53.40** \$5 monthly

**674 Dynamic Cardioid Mike**

- 60-15,000 Hz for Music Recordings
- Symmetrical Pattern at All Frequencies
- Quick Impedance Changes without Tools

Continuously "Variable-D" feature assures symmetrical cardioid pattern at all frequencies. Three-position bass-tilt switch adjusts for feedback control in public address and recording. 60-15,000 Hz response makes it an ideal mike for tape recording, musical entertainment, public speaking, paging and communications.

Dual impedance selection: 150 ohms and hi-Z. Output: -57 dB. On-off switch. QC-4M connector for quick impedance changes without tools. 15' two-conductor cable. Chrome finish. 7 $\frac{7}{8}$ x1 $\frac{1}{4}$ " dia. Stud mount with  $\frac{5}{8}$ "-27 thread. Shpg. wt., 2 lbs. 12 C 7098. \$5 Monthly. . . . . 53.40

**A 676 Cardioid Dynamic Mike**

Continuously Variable-D assures symmetrical cardioid pattern at all frequencies. Three-position switch selects flat response for small rooms; or low-frequency attenuation of 5 or 10 dB at 100 Hz for big rooms. 60-15,000 Hz response. Impedance: 150 ohms, hi-Z. Output: -57 dB. 15' two-conductor cable, QC-4M connector, 300 stand adapter.  $\frac{5}{8}$ "-27 thread. Satin chrome finish. 7 $\frac{3}{4}$ x1 $\frac{1}{4}$ ". Wt., 2 lbs. 12 C 7432. \$5 Monthly. . . . . 53.40

**C 627 Cardioid Dynamic Mike**

Excellent moderately priced mike for vocalists. Cardioid pickup pattern rejects sound from rear and sides. Bass response is accentuated as working distance is reduced. Weighs only 8 oz. (less cable). 80-11,000 Hz response. Impedance: 150 ohms and hi-Z. Output: -58 dB. 15' two-cond. cable. 6" long, 1 $\frac{1}{2}$ " dia. head,  $\frac{3}{4}$ " shank.  $\frac{5}{8}$ "-27 thread. Chrome finish. Shpg. wt., 1 $\frac{1}{2}$  lbs. 12 C 7099. \$5 Monthly. . . . . 37.80

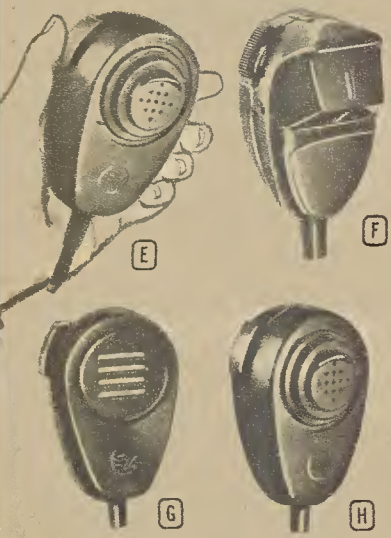
**B RE15 Cardioid Dynamic Mike**

Professional super-cardioid dynamic provides maximum rejection of unwanted off-axis noise. Off-axis response is symmetrical with front response to eliminate coloration. Bass-tilt switch to restore spectrum balance for longer reach. 80-15,000 Hz response. Impedance: 150 ohms. Output: -56 dB. 18' two-conductor broadcast cable. Non-reflecting nickel finish. 6 $\frac{1}{2}$ x1 $\frac{3}{8}$ " dia. With metal case and stand adapter. Shpg. wt., 4 lbs. 12 C 7252. \$8 Monthly. . . . . 153.00

**D 664 Cardioid Dynamic Mike**

Popular dynamic mike used for recording, communications and PA use. Variable D cardioid pickup pattern for rejection of unwanted background noise. Pop-proof wire mesh grille minimizes breath blasts to allow close talking without boominess. Shielded Acoustalloy diaphragm. Response: 60-15,000 Hz. Impedance: 150 ohms; Hi-Z. Output: -58 dB. On-off switch. 15' cable.  $\frac{5}{8}$ "-27 thread. Chromed. Less 418 stand. 7 $\frac{1}{4}$ x1 $\frac{1}{8}$ ". 3 lbs. 12 C 7241. \$5 Monthly. . . . . 53.40

**Handheld Communications Mikes**



**E Transistorized Mike**

602FTR. Transistorized noise-canceling dynamic for carbon communications mike replacement. Suited to commercial and industrial equipment. Amplifier matches output level to input requirements of any equipment using carbon mike. Dynamic transducer enhances intelligibility. Press-to-talk switch. 5' coiled cord. 2 lbs. 12 C 7248. \$5 Monthly. . . . . 40.80

**F Differential Carbon Mike**

2055TCKK. Close-talking, noise-canceling, carbon mike for aircraft and emergency communications with high intelligibility under severe noise conditions. Blastproof, waterproof, shock-resistant. Press-to-talk switch closes mike & relay. -50 dB output at  $\frac{1}{4}$ ". FAA approved. Black hi-impact case. With 5' coiled cord. 4x2 $\frac{1}{4}$ x2". 1 lb. 12 C 7035. \$5 Monthly. . . . . 31.50

**G 600E Dynamic Mike**

Dynamic mobile communications microphone with press-to-talk button. 100-7,000 Hz response. Output: -55 dB. Available in high or low impedance: hi-Z wired straight through for VOX; balanced low-Z wired for open circuit paging. Coiled cord extends to 6'. With bracket. Gray. 2 $\frac{1}{2}$ x4x1 $\frac{1}{2}$ ". 1 lb. 12 C 7483. Hi-Z. . . . . 24.60  
12 C 7485. Low-Z. . . . . 24.60

**H 602F Noise-Canceling Mike**

Close-talking, noise-canceling dynamic mobile communications mike with press-to-talk switch that controls mike and relay. 200-5,000 Hz response. Output: -55 dB. Available in high or low impedance. Gray cyclac case, 4x2 $\frac{1}{2}$ x1 $\frac{3}{4}$ ". With 5' coiled cord and mounting bracket. Shpg. wt., 1 lb. 12 C 7482. Hi-Z. . . . . 36.30  
12 C 7484. Low-Z. . . . . 36.30

Get the Mike You Need Now with Your Allied Credit Fund





**\$3780**  
\$5 monthly

## Electro-Voice Microphones

### A 647A Dynamic Lavalier

Lightweight, compact dynamic mike for lavalier use. Weighs only 2 ounces. Ideal for public speaking or reading, sales demonstrations, panel discussions—any PA use requiring freedom of hands. 70-100,000 Hz response. Impedance: Hi-Z. Output: -60 dB. Gray finish. With 18' cable, lavalier neck cord assembly and stand adapter. 3 $\frac{5}{8}$ " long,  $\frac{3}{4}$ " dia. Shpg. wt., 1 lb.  
12 C 7264. \$5 Monthly..... 51.90  
12 C 7125. Above, Lo-Z..... 51.90

### B 636 Dynamic Mike

Deluxe omnidirectional dynamic mike for PA, recording and general use. 60-13,000 Hz response. Dual selectable impedance: 150 ohms or hi-Z. Output: -58 dB. On-off switch in stand mounting. Swivel base has standard  $\frac{5}{8}$ "-27 thread. Satin-chrome finish. 10 $\frac{1}{4}$ " long, including stud. 1 $\frac{1}{8}$ " diameter. Nearly impervious to damage from mechanical shock. With 15' two-conductor cable. Shpg. wt., 2 lbs.  
12 C 7244. \$5 Monthly..... 45.60

### C RE55 Dynamic Mike

Omnidirectional response mike especially suited to full-range music recording and other exacting professional applications. For hand and stand use. Pop-proof; built-in blast filter. Response is extremely stable: mike can be calibrated for use as secondary lab standard. 40-20,000 Hz. Impedance: 150 ohms. Output: -55 dB. 18' three-conductor cable. Satin nickel finish. 10 $\frac{1}{2}$ "x1 $\frac{1}{2}$ ".  $\frac{3}{4}$ " shank. 1 $\frac{1}{4}$  lbs.  
12 C 7250. \$6 Monthly..... 126.00

### D 635A Dynamic Mike

Widely accepted professional omnidirectional dynamic mike for hand or stand use. Four-stage pop and dust filter eliminates need for external windscreen. 80-13,000 Hz response. Low impedance. Output: -55 dB. Magnetically shielded diaphragm, turned-steel case. Cannon XLR-3-11 connectors between mike and cable. Nonreflecting matte nickel finish. 6x1 $\frac{3}{8}$ " dia. 18' three-conductor cable. Stand adapter. 1 lb.  
12 C 7481. \$5 Monthly..... 49.20

### 631 Hand-Size Vocal Mike

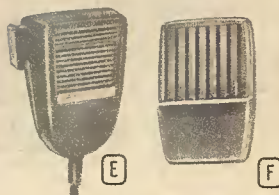
- Ideal for Entertainers, Musicians
- Removable Magnetic On-Off Switch Actuator
- Virtually Unaffected by Breath or Wind

Hand-size mike for vocal and instrumental entertaining, PA and recording. Magnetic on-off switch removes to leave mike always on. 80-13,000 Hz. Omnidirectional. Hi or low-Z. -55 dB. Four-stage blast filter. 6 $\frac{5}{32}$ "x1 $\frac{25}{64}$ ". 16' cord. Shpg. wt., 3 lbs.  
12 C 7251. Low-Z. \$5 Monthly..... 37.80  
12 C 7247. Hi-Z. \$5 Monthly..... 37.80

## Low-Cost Ceramic Mikes

E Electro-Voice 714 Ceramic. For CB, other communications. Omnidirectional. 100-7,000 Hz. Hi-Z; -55 dB. Push-to-talk. 3 $\frac{5}{8}$ "x2 $\frac{1}{2}$ "x1 $\frac{1}{16}$ ". 5' cord, bracket.  
12 C 7259. Wt., 1 lb..... 10.50

F Electro-Voice 721 Ceramic. Economical hand-and-stand mike for recorders and general use. 100-5,000 Hz. Hi-Z; -52 dB. 3 $\frac{3}{8}$ "x2 $\frac{1}{4}$ "x1". 5' cable. 1 lb.  
12 C 7255..... 4.08

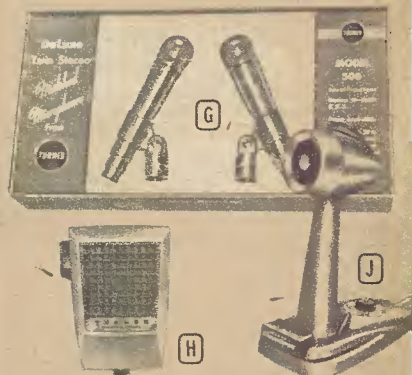


## Accessories for Electro-Voice Microphones

12 C 7146. Model 418 Desk Stand. For 611, 623, 630, 641, 636, 674 and latest model 644, 664 with small studs. Gray. 2 $\frac{1}{16}$ "x4 $\frac{1}{16}$ "x5 $\frac{1}{2}$ ". Shpg. wt., 3 lbs. .... 8.10  
12 C 7209. Model 419 Desk Stand. 644, 664 w/lge. stud. 3 lbs. .... 8.10  
12 C 7196. Model 420 Desk Stand. For Model 676. 3 lbs. .... 12.60  
12 C 7148. 428 Touch-To-Talk Stand. DPDT lever to control mike, relay. Momentary/lock.  $\frac{3}{8}$ "-27 thd. 7x5 $\frac{3}{8}$ ". 1 $\frac{1}{2}$  lbs. .... 18.90

Model 307 Boom Mount. For suspension of RE15. 1 lb.  
12 C 7335. \$5 Monthly..... 20.70  
12 C 7334. Model 314 Windscreen. For RE15. 1 $\frac{1}{2}$  lbs. .... 7.80  
12 C 7340. Type 502B Transformer. Matches low-Z mikes to hi-Z inputs. 30" cable. 1 lb. .... 9.90  
12 C 7428. 337 Windscreen. For 627.  $\frac{1}{2}$  lb. .... 4.80  
12 C 7332. 376 Windscreen. For 676, 674.  $\frac{1}{2}$  lb. .... 9.30

## TURNER MICROPHONES



G Model 500-06 "Stereo Twins". Matched pair of broadcast-quality cardioid dynamic mikes. 40-15,000 Hz. Directional pattern eliminates feedback. 150 ohms or hi-Z. -55 dB. With windscreen, on-off switch, 90° adjustable swivel mount. Chromed. 10' cable. 6 $\frac{1}{16}$ "x1 $\frac{1}{2}$ ". Wt., 6 lbs.  
12 C 7221. \$6 Monthly..... 110.54  
12 C 7029. One Mike Only. 3 lbs. .... 55.27

H "M+2/U" Mobile CB Mike. Transistor preamp; adj. gain & vol. 300-2500 Hz. 500 ohms, -27 dB. 5' coil cord, battery.  
12 C 7032. Wt., 2 lbs. .... 23.23  
12 C 7034. "JM+2/U". Above, wired for electronic switching..... 23.23

J "Plus 2". Same as "M+2", for base use. Ceramic. Push-to-talk. 5' cord.  
12 C 7084. 7 $\frac{3}{4}$ "x3 $\frac{3}{4}$ "x5 $\frac{1}{2}$ ". 3 lbs. .... 32.34  
12 C 7165. 254C. No preamp. 7' cord. 100-8,000 Hz. -54 dB. .... 17.05

See Index in This Catalog for PA and Communications Gear

ALLIED 233





## Microphones, Mixers, Amplifiers, Accessories

**A** AMD Model 38-515 Dynamic Microphone. For PA or Ham use. Built-in 2-transistor amplifier with 0-50 dB controllable gain. Operates up to 200 hours on standard 9-V battery (included). Response, 300-5000 Hz. Sensitivity, -38 dB. Die-cast aluminum. 8 1/4" high, 5 3/8 x 3 3/4" base. With coiled 64' 3-wire shielded cable, Japan. 12 C 7137. 2 1/2 lbs. \$5 Monthly 25.95

**B** AMD Model 38-650 Cardioid Dynamic Microphone. Allows you to control feedback, "pop" or boom, and wind noise. 50-15,000 Hz response. Dual impedance, 150 and 50,000 ohms. Has on-off switch, 6" long. With 10-ft. cable, mike holder, plastic carrying case. Shpg. wt., 2 lbs. Japan. 12 C 7268. \$5 Monthly. 24.95

**C** AMD Model 38-045 Cordioid Dynamic Microphone. Excellent for professional-quality recordings with transistorized tape recorders. Use in your hand, with lavalier, on desk or floor stand. Eliminates background noises. 50-14,000 Hz. Impedance, 150 ohms. Only 4" long. Lavalier cord, swivel adapter, 20-ft. cable. Japan. 12 C 7267. 2 lbs. \$5 Monthly. 19.95

**D** AMD Model 38-504 Dynamic Microphone. An all-around mike adaptable to low and high-impedance inputs. Selectable impedances of 600 and 50,000 ohms. Frequency response is linear from 40 to 15,000 Hz. Output, -52 dB. On/off switch. 6x3" diameter. With 6-ft. shielded cable, Japan. 12 C 7269. Shpg. wt., 1 lb. 9.95

**E** Aiwo Universol Replacement Microphone. Remote on/off switch and double plug allows you to start and stop tape recorder from mike position. 10,000 ohms. 60-12,000 Hz. Stand. Shpg. wt., 1 lb. Japan. 15 C 7565 S. 9.95

**F** AMD Model 38-502 Dynamic Microphone. Use in hand or with lavalier. 50,000 ohms. 60-10,000 Hz. -52 dB output. 2 3/8 x 1 1/8". With 6-ft. cable, lavalier cord and bracket. 12 C 7138. Japan. Wt., 1 lb. 5.95

**G** AMD Model 38-011 General-Purpose Microphone. Use in hand, with lavalier, on stand, 60-10,000 Hz. -62 dB output. 5x1". 6-ft. cable, lavalier hanger, stand adapter. 12 C 7139. Japan. Wt., 1 lb. 3.95

### Mike Mixers, Connectors



**H** Switchcraft 306 Stereo Mixer. Four monaural channels to two stereo. Four input jacks. Hi-Z. Two phono jack outputs. With "Tiny-Jax" adapter plug. 2x3x6". 1 1/2 lbs. 12 C 7171. 14.70

**J** 12 C 7172. Switchcraft 306TR. Above, with battery-powered solid-state stereo amplifier. With battery. 1 1/2 lbs. 23.52

Switchcraft 301 Mono Mixer. Four inputs to single output. 2-conductor phone plug inputs, phono jack output. Hi-Z. Size, 2x3x6". Shpg. wt., 1 1/2 lbs. 12 C 7169. 12.94

**I** 12 C 7170. Switchcraft 301TR. Above with battery-powered solid-state amplifier. With battery. Wt., 1 1/2 lbs. 19.11

**J** Switchcraft 503 Mike Preamp. Matches mikes to transistorized recorders, amplifiers. Switchable 40K/2K ohms impedance input, 2K output with 6-25 dB gain. Battery, 12" cable, adapter for 1/4" mini-jack/plugs. 2x2x1". 12 C 7052. Wt., 4 oz. 9.69

Switchcraft Mike Connectors. One-contact 2501's fit Allied PA amplifiers. To splice 2 cords, use one type 2501F and one type 2501M. Types A3F, A4F, A3M, A4M are quick-ground 3 and 4-contact insulated types. Type 05BL3M, miniature 3-pin plug, contact friction coupling. Types 12BL5M and 05BL5M are same, 5 pins. Type 01QK2M is 2 pin. Shpg. wt., 4 oz.

Stock No.	Type	Fig.	Description	EACH
12 C 7405	2501F	K	Plug or Jack	.47
12 C 7406	2501M	L	Plug	.29
12 C 7417	A3F	M	Fem. Conn.	1.35
12 C 7418	A4F	M	Fem. Conn.	1.68
12 C 7419	A3M	N	Male Conn.	1.18
12 C 7420	A4M	N	Male Conn.	1.23
12 C 7390	05BL3M	P	Plug	.97
12 C 7391	12BL5M	P	Plug	1.09
12 C 7008	05BL5M	P	Plug	.99
12 C 7009	01QK2M	R	Plug	.24

### Mixer, Level-Control Amplifiers

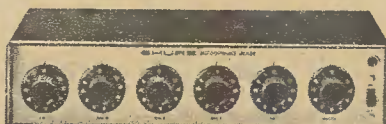


**\$8700**  
\$5 monthly

### 4-Channel Solid-State Stereo Mixer-Amplifier

Switchcraft 307TR. Inputs: 4 low-level mike, 60 dB gain; 2 phono, 40 dB; 4 aux., 20 dB. Up to 2-V rms output. 20-20,000 Hz. 3 1/2 x 12 x 7 1/4". Requires 2 "D" batteries. 12 C 7437. Shpg. wt., 4 1/2 lbs. \$5 Monthly. 87.00

12 C 7438. 308TR. Above, but for 115 VAC. 5 lbs. 96.00



**\$7500**  
\$5 monthly

### 5-Channel Solid-State Monaural Mixer

Shure M68. Has 4 inputs for dynamic or ribbon mikes. Switch-selected low or high-impedance. Switched low or high-impedance mike in/output; high-impedance, high-level auxiliary input/output. 28-VDC jack. Response, 30-20,000 Hz. 2 1/2 x 11 3/8 x 5 1/4". For 105-130 V, 50-60 Hz AC. 12 C 7142. Shpg. wt., 4 lbs. \$5 Monthly. 75.00



**\$5400**  
\$5 monthly

### "Level Loc" Solid-State Audio Level Controller

Shure M62. Keeps the audio output constant for wide variations of audio input. Dual-impedance input and output: 500/100,000 ohms and 10/500 ohms respectively. Response, 20-20,000 Hz. Cannon receptacles. Operates up to 250 hours on 9-volt battery (included). Size, 2 1/2 x 11 3/8 x 2 1/4". 12 C 7143. Shpg. wt., 3 lbs. \$5 Monthly. 54.00



# Mike Stands and Accessories by *glas* Sound

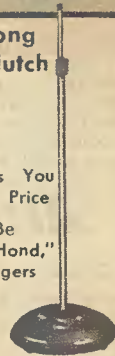


- 1 MS-115 Automatic Floor Stand. Press control, tube lowers. Adjusts 39-62". All chromed. 10" base.  $\frac{5}{8}$ "-27 thread. Shpg. wt., 13 lbs.  
12 C 7271 L2X. .... 18.00
- 2 MS-4 Telescoping Floor Stand. Adjusts 25-65". 3 sections. Chromed. 10" gray wrinkle base.  $\frac{5}{8}$ "-27 thread. 12 C 7270 L2X. Wt., 12 lbs. .... 11.85
- 3 MS-25 Professional Floor Stand. "Air Lock Cushion" controls drop of tube. Adjusts 38-67". 17" chromed and gray base. Chromed tube.  $\frac{5}{8}$ "-27 thread. Shpg. wt., 22 lbs.  
12 C 7330 L2U. .... 20.65

Stand Has Long "Full Grip" Clutch

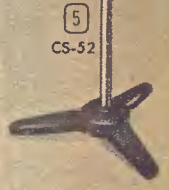
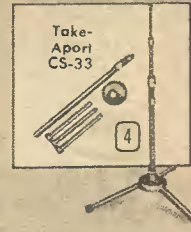
\$770

- Full of Features You Wont, Low in Price
- Long Clutch Can Be Gripped by "Hand," Not Just by Fingers
- Velvet-Quiet Slide Action



MS-10C. Inner-lined with bakelite to prevent jamming, sudden dropping. 2-section chromed tube adjusts 35-63". 10" gray base; self-leveling shock-absorbing pads.  $\frac{5}{8}$ "-27 thread. Shpg. wt., 10 lbs.  
12 C 7325 L2X. .... 7.70

MS-11C. Above, all chromed.  
12 C 7326 L2X. 13 lbs. .... 10.20  
MS-14G. Above, in gold color.  
12 C 7082 L2X. 12 lbs. .... 13.00

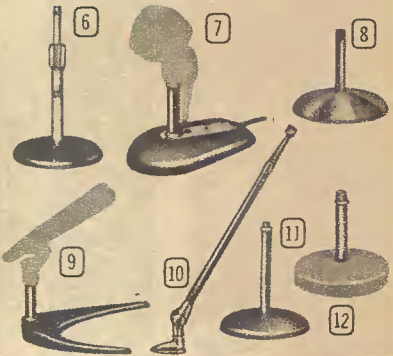


- 4 CS-33 Take-Apart Floor Stand. Collapsible to 22 $\frac{1}{2}$ ". Adjusts 26-64". Chromed. 20" base dia.; rubber feet.  $\frac{5}{8}$ "-27 thread. Shpg. wt., 4 lbs.  
12 C 7327 X. .... 11.00
  - 5 CS-52 Floor Stand. Portable unit adjusts 34-62". Chromed tube. 2-piece gray shrivel 15"-dia. base.  $\frac{5}{8}$ "-27 thread. Shpg. wt., 9 lbs.  
12 C 7450 X. .... 8.85
- 88-1 "Baby Boom" Stand Attachment. (Not illus.) Converts any floor stand with  $\frac{5}{8}$ "-27 thread to boom type. Adjustable counter balance. 31" long.  
12 C 7328 X. Wt., 3 $\frac{1}{2}$  lbs. .... 6.20

## Desk Microphone Stands and Multipurpose Support

- 6 DS-7 Adjustable Desk Stand. Adjusts 8-13". With "Velvet Action" clutch adjustment. 4" high, chromed tube. Gray 6" dia. base.  $\frac{5}{8}$ "-27 thread. Shpg. wt. 3 lbs.  
12 C 7186. .... 4.15
- 7 DS-10 "Stream Line" Desk Stand. Features rear cable exit. Mike cable is concealed and directed out at rear of base to improve appearance and stability. Gray enamel, chrome trim.  $\frac{5}{8}$ "-27 thread. Shpg. wt., 1 $\frac{1}{2}$  lbs.  
12 C 7205. .... 4.35
- 8 DS-6G Desk Stand. Gold-color finish. 6" dia. cast-iron base with rubber pads. Tube ht., 4".  
12 C 7081. Shpg. wt., 2 $\frac{1}{2}$  lbs. .... 4.00

- 9 DS-14 Contemporary Stand. 3" chromed tube. Gray shrivel base.  $\frac{5}{8}$ "-27 thread. 2 lbs.  
12 C 7109. .... 3.15
- 10 US-2 Multipurpose Support. Vertical swivel, 180°; horiz., 360°. 12 $\frac{3}{4}$ " arm. 2 $\frac{5}{8}$ " base. Chromed.  $\frac{5}{8}$ "-27 thread. 2 lbs.  
12 C 7273. .... 6.65
- 11 DS-5 Desk Stand. 4" chromed tube. Gray shrivel 6" base. Rubber pads.  $\frac{5}{8}$ "-27 thread. 2 lbs.  
12 C 7208. .... 2.50
- 12 DS-4 Desk Support. Detachable 4" chromed tube. Light beige 5" base.  $\frac{5}{8}$ "-27 thread. 1 $\frac{1}{2}$  lb.  
12 C 7272. .... 1.65



## Microphone and Stand Accessories



**MIKE STAND ADAPTERS.** For use with most desk and floor-type microphone stands. All adapters are heavy-duty chrome-plated units. Shpg. wt.: Models AD1, AD2, AD3, AD4 and AD5. 2 oz.; AD11 and AD12, 6 oz.

Stock No.	Type	Fig.	Description	EACH
12 C 7108	AD1	23	For adapting RCA mikes. $\frac{1}{2}$ " male to $\frac{3}{8}$ "-27 female	.70
12 C 7198	AD2	24	$\frac{1}{8}$ " pipe female to $\frac{3}{8}$ "-27 male.	.50
12 C 7199	AD3	22	$\frac{1}{8}$ " pipe female to $\frac{3}{8}$ "-27 female.	.53
12 C 7201	AD4	22	$\frac{3}{4}$ " long, $\frac{3}{8}$ "-27 male coupling.	.40
12 C 7202	AD5	22	$\frac{3}{8}$ "-27 to $\frac{3}{8}$ "-27 female coupling.	.53
12 C 7103	AD12	25	Mike base flange. Male, $\frac{3}{4}$ "-27.	.73
12 C 7104	AD11	26	Mike base flange. Female, $\frac{3}{8}$ "-27.	.73

Stock No.	Fig.	Description	Wt.	EACH
10	13	Lock-on Mike Attachment	4 oz.	2.65
	14	"Y" Mike Connector	2 oz.	.99
	15	Flexible 13" Gooseneck	1 lb.	2.00
		As above, 19" long	1 $\frac{1}{2}$ lbs.	2.85
		Snap-on Mike Attachment	1 lb.	2.15
		Mike Volume Control: Hi-imp.	6 oz.	4.17
		Double-Hanger; for $\frac{3}{8}$ "-1 $\frac{1}{4}$ " stems.	$\frac{1}{2}$ lb.	2.00
		Bracket Clamp; 6" stem	1 lb.	2.85
		Extension Rod; $\frac{5}{8}$ "-27 ends	3 oz.	.67
		As above, 6" long	4 oz.	.67
		Talk Switch with lock	6 oz.	1.98
		Electric Mike Lock Swivel	1 $\frac{1}{2}$ lbs.	3.45

Fit All Microphones with Standard  $\frac{5}{8}$ "-27 Threads

ALLIED 235



# Sound-Columns and Lecterns

## Deluxe Sound-Column Speaker Systems

The Sound Column or Line Radiator speaker system offers *uniform loudness* over a wide horizontal pattern. Consists of several speakers arranged one above the other in a special enclosure. People in back can hear just as well as those in front. Feedback and reverberation are greatly reduced. All are easy to install, and they provide better PA coverage at lower cost.



**NEW**  
**\$34<sup>95</sup>**

\$5 monthly

Allied's own sound-column offers outstanding wide-angle dispersion and excellent sound projection at minimum cost. Great for auditoriums, lecture rooms—any PA use. Four 8" speakers offer fine sound reproduction and wide frequency response of 60-11,000 Hz. Overall sound projection, 150 feet (60' recommended). Wide 140° horizontal dispersion, 45° vertical disper-

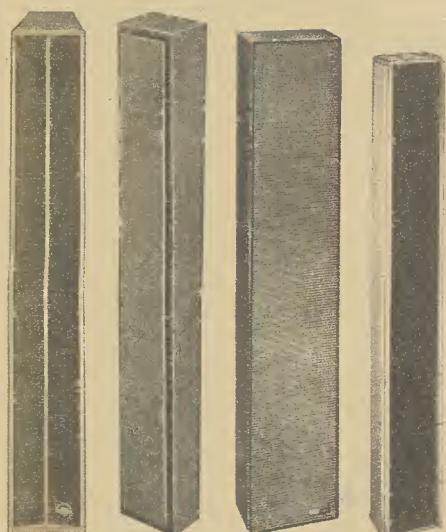
sion. 25-watt cap. Impedance, 8 ohms. Special mounting hardware is included for fast, accurate installation—easy as hanging a picture on the wall. Handsome walnut wood-grain vinyl-clad cabinet adds a fine-quality touch to any decor. Cabinet is only 6" deep for easy, inconspicuous mounting anywhere. 41x11x6".

12 C 8001 U. Wt., 37 lbs. \$5 Monthly. . . . 34.95

## ALLIED 3300 Sound-Column

- Offers Overall Sound Projection Up to 150 Feet • Rated 25 Watts
- Walnut Wood-Grain Vinyl-Covered Cabinet • 140° Horizontal Angle
- Four 8" Speakers With Response of 60-11,000 Hz • 45° Vert. Angle

## Quality Sound-Columns for Every Use



**A** UNIVERSITY SOUND CS-2  
**B** ARGOS SD-1060  
**C** UTAH SND-3 SND-2  
**D** ELECTRO-VOICE LR4SA

- A** University Sound CS-2. Six 5" speakers. 30-watt capacity. Dispersion: horizontal 165°; vertical, 25°. 175-12,000 Hz. 8 ohms. 31x5 $\frac{1}{2}$ x5". Neutral finish. Shpg. wt., 14 lbs. 12 C 7421 U. \$5 Monthly. . . . 59.70  
12 C 7944 U. CSO-4. Four 8" speakers. 75 watts. 70-17,000 Hz. Weatherproof housing. 41x12x8". Wt., 40 lbs. \$8 Monthly. . . 149.40
- B** Argos SD-1060. Six 5" speakers. 30 watts. 200-10,000 Hz. Dispersion: horizontal, 120°; vertical, 30°. 16 ohms. Walnut vinyl-covered cabinet. 30 $\frac{1}{4}$ x7x3 $\frac{1}{8}$ ". Shpg. wt., 10 lbs. 12 C 7877 X. \$5 Monthly. . . . 43.05  
12 C 7093 U. MSD-1060. Six 8" speakers. 60 watts. 70-15,000 Hz. 30° vertical dispersion. 50 $\frac{1}{2}$ x10 $\frac{3}{4}$ x8 $\frac{1}{4}$ ". Wt., 40 lbs. . . . 83.65
- C** Utah SND Series. Six-speaker columns offering 120° horizontal dispersion, 30° vertical. Rigid construction, phase-coded terminal boards. Removable transformer mounting board for constant voltage systems. Walnut-grain plastic-impregnated fabric finish. 12 C 7529 U. SND-3. 8" speakers. 8 ohms. 72-watt capacity. 50-15,000 Hz. 51x11x7 $\frac{3}{4}$ ". Shpg. wt., 42 lbs. \$5 Monthly. . . . 79.95  
12 C 7528 U. SND-2. 6" speakers. 16 ohms. 55-watt capacity. 110-12,500 Hz. 43 $\frac{1}{2}$ x8 $\frac{1}{2}$ x6". Shpg. wt., 33 lbs. \$5 Monthly. . . . 59.95  
12 C 7527 X. SND-1. 5" speakers. 16 ohms. 30-watt capacity. 200-10,000 Hz. 34 $\frac{1}{4}$ x7 $\frac{1}{2}$ x3". Shpg. wt., 15 lbs. \$5 Monthly. . . . 39.95
- D** Electro-Voice LR4SA Straight Line Radiator. Restricts high-frequency dispersion to simplify feedback control. Dispersion: horizontal, 160°; vertical 30°. 200-10,000 Hz. 40 watts. 8 ohms. Aluminum tan-colored enclosure. 48 $\frac{3}{4}$ x6 $\frac{5}{16}$ x4 $\frac{11}{32}$ ". 31 lbs. 12 C 7033 U. \$5 Monthly. . . . 99.90

## Ampli-Vox Portable-Lecterns



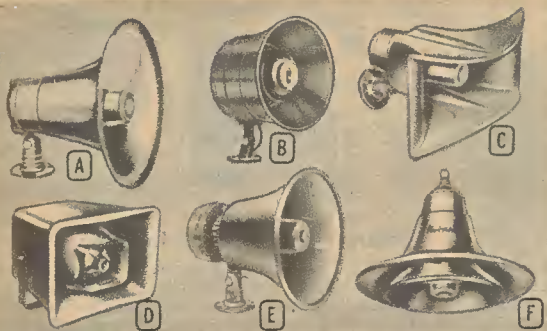
- E** Model S-120. Solid-state system boasts 40 watts peak power; handles audiences up to 1000. Has two 6x9" speakers in reading table and removable cover (with 40' cable). Scuff-proof luggage case. 8 $\frac{7}{8}$ x16 $\frac{3}{4}$ x17 $\frac{1}{4}$ ". Low-impedance dynamic cardioid mike, (50-15,000 Hz), 10' cord. Aux. input/output. Uses 10 "D" cells, order below. 12 C 7067 U. Shpg. wt., 24 lbs. \$10 Monthly. . . . 198.95  
12 C 7068 U. S-110. Above, omnidirectional mike. . . . 169.95  
18 C 5779. Batteries. Use 10. Wt., 10 oz. . . Pkg. of 2 for 33¢
- F** Model S-500. Portable sound-column lectern for audiences up to 3000. Solid-state amplifier, 40 watts peak power. 50-15,000 Hz. Walnut formica cabinet, 15x21"; inclined reading table adjusts from 36-46" high. Auxiliary input and output. With low-impedance dynamic cardioid mike. Use 10 "D" cells, order above. 12 C 7512 Z. Shpg. wt., 66 lbs. \$18 Monthly. . . . 389.50



236 ALLIED Use Allied's Credit Fund to Buy All Your PA Equipment



# Indoor, Outdoor PA Projectors and Speakers



## UNIVERSITY SOUND

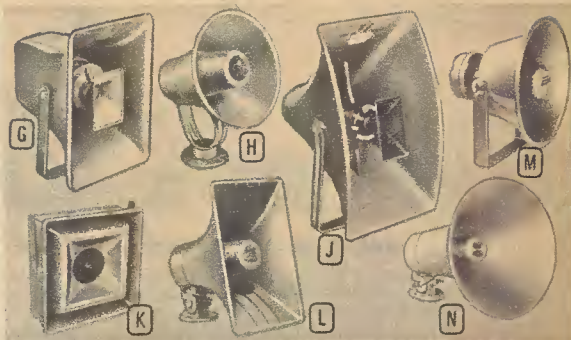
### Weatherproof PA and Intercom Speakers

For "talk-back" microphones, PA speakers. Weatherproofed with phenolic diaphragms for outdoor use in any weather. Ideal for two-way intercom systems. Type 1B-A8. Medium-power speaker. Type-MIL-A8. For medium and low-power systems. Type-DLC-8. Compact horn for low-power systems. Types CIB-A8 and CMIL-A8. For wide-area coverage in low-power systems. Type MLC. 2-speaker system for outdoor use. Type ELC. Same as MLC, less tweeter. Type SH-30. For high-intelligibility paging in noisy areas. Type IBR-A8. For wide coverage with few speakers. All are 8 ohms, except SH-30, 16 ohms. With mounting hardware. \*Watts. †Swivel mounting, also fastens to 1/2" pipe. Av. wt., 5 lbs.

Stock No.	Mfr's Type	Fig.	* Resp. Hz	Dispersion	Lx Dia. Inches	EACH
12 C 7504 X	IB-A8	A	30 250-13K	105°	†9x10 1/2	22.95
12 C 7569	MIL-A8	A	10 350-13K	120°	†6 3/8 x 6 3/8	18.75
12 C 7398	DLC-8	B	7 1/2 400-10K	120°	5 1/2 x 4	10.77
12 C 7515 X	CIB-A8	C	30 250-13K	120°x60°	†7 3/8 x 14	27.60
12 C 7572	CMIL-A8	C	10 250-13K	120°x60°	†6 1/4 x 9 1/2	21.26
20 C 8416 X	MILC	D	15 150-15K	120°	10 5/8 x 12 3/4	39.95
12 C 7941 X	ELC	D	15 150-11.5K	120°	10 5/8 x 12 3/4	32.95
12 C 7422 X	SH-30	E	30 350-7.5K	100°	10 1/4 x 8 3/4	34.70
12 C 7516 X	IBR-A8	F	30 300-10K	360°	10 1/4 x 13	31.20

### University UH Series

UH-8. "Variable dispersion" speaker. 360° adjustable hood diminishes sound in unwanted areas, increases it in others. 220 Hz to 16 kHz. 32 watts. 8 ohms. Gray. 10 1/2" dia. x 10 7/8" (10 3/4" dia. x 14 15/16" with hood).  
 12 C 7940 X. Wt., 5 lbs. 25.50  
 12 C 7938 X. UH-45. As above, but 45 ohms. 26.97  
 12 C 7939 X. UHT. 70.7 V Transformer unit with taps. 33.90



## ELECTRO-VOICE

### Weatherproof Projectors and Speakers

Fiber-polyester horns, virtually indestructible, absolutely waterproof. Types 847CDP and 848ACDP. Compound Diffraction design for higher articulation without peaking response. Type PA-7. For paging use where durability is a prime factor. Type PA-30A. Rectangular paging horn with ultra-smooth response for both voice and music. Type PA30AT-7. PA-30A with 70.7 V line transformer. Type PA-30R. PA-30A, with round horn. PA30RT-7. PA-30R with 70.7 V line transformer. Type PA-30R-45. PA-30R with 45-ohm voice coil. Type 844A. General-purpose paging speaker. All have 120° dispersion, except 844A, 90°. 8 ohms. 30 watts, except PA-7, 7 1/2; 847CPD, 25. Battleship gray.

Musicaster. 8" Radax speaker. Dual-horn-loading. 60-13,000 Hz. 8 ohms. 30 watts. Tan aluminum housing. 21 1/2 x 21 1/2 x 8 1/2". Weatherproof. With U-bracket for mounting.

Stock No.	Mfr's Type	Fig.	Resp. Hz	Size In.	Wt. Lbs.	EACH
12 C 7542 X	847CDP	G	250-10K	11 3/4 x 7 3/4 x 10 1/2	10	35.40
12 C 7819 X	PA7	H	400-13K	6 3/4 x 6	3 3/4	18.75
12 C 7540 U	848ACDP	J	150-10K	20 1/2 x 10 1/2 x 20	16 3/4	53.40
12 C 8432 X	Musicaster	K	60-15K	21 1/2 x 21 1/2 x 8 1/2	36	72.00
12 C 7616 X	PA30A	L	250-14K	11 x 6 1/2 x 8 1/2	4 1/2	21.90
12 C 7486 X	PA30AT-7	M	250-14K	11 x 6 1/2 x 8 1/2	7 1/2	28.50
12 C 7487 X	PA30R	M	250-14K	9 3/4 x 10 dia.	6 3/4	23.70
12 C 7499 X	PA30RT-7	M	250-14K	9 3/4 x 10 dia.	7 1/2	30.60
12 C 7488 X	PA30R-45	M	250-14K	9 3/4 x 10 dia.	7 1/2	24.90
12 C 7475 X	844A	N	250-13K	7 1/2 x 9 3/4 dia.	13	22.95

TR7-2 Line Transformer. 7 1/2 watts, 25 volts. Primary impedance taps: 83, 156, 312, 624, 1248 ohms. Secondary, 8 ohms. Power taps at 7.5, 4, 2, 1.5 watts. Use with PA7 paging speaker above. Shpg. wt., 1 1/2 lbs.  
 12 C 7489. . . . . 6.60

TR7-7 Line Transformer. As above, but for 70.7-volt line applications. Primary impedance taps: 660, 1250, 2500, 5000, 10,000 ohms. Secondary, 8-ohms. Power taps at 7.5, 4, 2, 1.5 watts. Shpg. wt., 1 1/2 lbs.  
 12 C 7468. . . . . 6.60

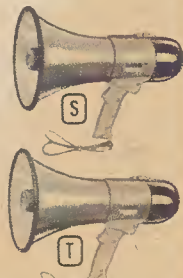
## Lightweight Battery-Powered Megaphones

P Federal A-12 Voice Gun. Transistorized. 500-yard range. Press-to-talk, carrying strap. Horn diameter, 13 1/4". Operates on 8 "D" cells, order 12 C 7329 X. Shpg. wt., 5 1/4 lbs.  
 12 C 7329 X. \$5 Monthly. . . . . 90.00  
 12 C 7329 X. Cells, 10 oz. . . . . Pkg. 2/33¢



S Fanon MV-4. Five transistors. 4-watt power (6 peak). Pistol grip, volume control. 300-yard range. Bell size, 7 1/4". Uses 4 "D" cells, order below. Shpg. wt., 4 lbs.  
 12 C 7329 X. \$5 Monthly. . . . . 44.95  
 18 C 5779. "D" Cells, 10 oz. . . . . Pkg. 2/33¢

T Fanon MV-3. Weatherproof baked-enamel finish. 200-yard range. Pistol grip. High-low volume switch. 8 3/4" bell. 13 1/4" long. Strap. Uses 4 "D" cells, below. Wt., 4 lbs.  
 12 C 7324 X. \$5 Monthly. . . . . 29.95  
 18 C 5779. "D" Cells, 10 oz. . . . . Pkg. 2/33¢



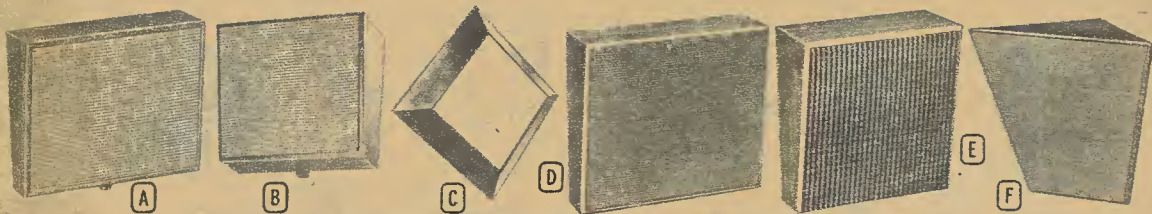
Largest Selection of Sound System Components

ALLIED 237

Blankets  
 1-4  
 1-49  
 9-94  
 1-289  
 9-21  
 1-18  
 8-43  
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 EACH  
 5-04  
 10-88  
 18-56  
 1-59  
 8-43  
 8-05



# Argos Decorator-Styled Baffles with Speakers



## A Baffles with 8" or 12" Speakers Installed

Ideal for PA paging or background music. Walnut wood-grain vinyl covering, matching cane grilles, screw terminals. "L" in Model No., L-pad; "V", volume control; "T", 70-7-V transformer. 8 ohms, except 70.7-V types. Series 108. 8" speaker, 1-oz. magnet, 6-watt capacity. Series 408. 8" speaker, 4.8-oz. magnet, 10-watt capacity. Series 212. 12" speaker, 10-oz. magnet, 20-watt capacity.

Stock No.	Model	Baffle Size	Wt., Lbs.	EACH	
				1-5	6-Up
12 C 7883 X	108CS	9 1/2 x 12 x 4 1/4"	4	7.87	7.48
12 C 7342 X	108CSV	9 1/2 x 12 x 4 1/4"	5	9.90	9.41
12 C 7344 X	408CS	9 1/2 x 12 x 4 1/4"	5	9.85	9.36
12 C 7350 X	408CSL	9 1/2 x 12 x 4 1/4"	6	12.08	11.48
12 C 7351 X	408CSLT	9 1/2 x 12 x 4 1/4"	6	14.60	13.87
12 C 7888 X	212CSL	13 3/4 x 16 x 16 1/4"	10	17.77	16.88

## B Prestige Baffles with 8" Speakers Installed

Series 508. Handsome baffles with heavy-duty 8" speakers. 6-oz. magnet, 15-watt capacity. 8 ohms. "L", L-pad; "T", 70.7-V transformer. Walnut wood-veneer finish.

12 C 7352 X	508CS	9 1/2 x 11 x 5 3/8"	6	11.83	11.24
12 C 7353 X	508CSL	9 1/2 x 11 x 5 3/8"	7	14.06	13.36
12 C 7354 X	508CSLT	9 1/2 x 11 x 5 3/8"	7	16.67	15.84

## C Troubador Art Frame 8" Extension Speaker

TSW-85. 30° slope gives smart appearance. 8" dual-cone speaker, 6-oz. magnet, 8 ohms, 15 W. 13 1/4 x 13 1/4 x 3" Walnut. 12C 7331 X. Shpg. wt., 5 1/4 lbs. . . . . 13.81

## D "Professional" Wall-Mounting Baffle

Model PW8-8C. For 8" speaker. Rectangular shape and trim sculptured look. Ideal where extra air volume is needed. Gives almost twice the air volume for better tone. "Speedy Mounting" clips for easy hanging. Wood-grained vinyl cover, plastic cane grille. Walnut finish. Less speaker. Size, 16 1/2 x 14 x 6 1/4". Shpg. wt., 6 lbs. 12 C 7882 X. 6-Up . . . Each 6.35 1-5 . . . . . Each 6.68

## E Wall-Mounting Birch Baffles

Durable cane grille gives good appearance. Walnut finish enhances any setting. Include hardware, mounting clips. Less speaker.

Stock No.	Model	Size	For	Lbs.	EACH	
					1-5	6-Up
12 C 7523 X	DWB-8A	10 1/2 x 9 3/4 x 6 1/2"	8"	3 1/4	5.94	5.64
12 C 7524 X	DWB-12A	14 x 13 3/8 x 9 1/8"	12"	5	8.32	7.90

## F Slant-Front Corner-Mount Baffles

Corner mounting, "Clip-In" front goes on or off in second; "Speedy Mounting" clips; screw terminals. Bass reflex design, acoustic padded. Cane grille; wood-grained vinyl—attractive walnut finish. Less speaker.

Stock No.	Model	Size	For	Lbs.	EACH	
					1-5	6-Up
12 C 7510 X	SCB-8D	15 x 17 3/4 x 9"	8"	5 1/4	9.36	8.89
12 C 7511 X	SCB-12D	20 x 20 3/4 x 10 1/2"	12"	8	12.82	12.18

# Soundolier Ceiling Baffles and Enclosures for 8-in. Speakers



**G** 67-8 Baffle. Flush-mounting louvered ceiling baffle. Welded construction prevents vibration or rattle. Aluminum finish. Fits 10 1/4" hole. 12" dia. Use 95-8 enclosure. Wt., 2 lbs. 12 C 7546 X. 5-Up Ea. 3.98 1-4 Ea. 4.53

**H** 61-8 Trim Ring Baffle. Highly polished, simulated stainless, flush-mounting trim ring. Vibration- and rattle-free 20-gauge steel construction. Fits 8 1/2" hole. 12 3/4" dia. Use 95-8 enclosure. Wt., 1 3/4 lbs. 12 C 7548 X. 5-Up Ea. 2.59 1-4 Ea. 2.95

**J** 68-8 Low-Ceiling Baffle. Satin-brushed aluminum; fits 8 1/2" hole; 12 3/4" dia. Use 95-8 encl. 1 1/4 lbs. 12 C 7547 X. 5-Up Ea. 6.07 1-4 Ea. 6.93

**K** 169-8 Square Baffle. (Illus. with 193-8 encl.) 24-ga. steel; white; fits 9 5/8" hole; 10 1/2" square. 1 lb. 12 C 7554 X. 5-Up Ea. 2.08 1-4 Ea. 2.37

**L** 193-8 Enclosure. (Illus. with 169-8 baffle.) Welded 20-gauge steel. 3 3/4 x 9 5/8" square. Wt., 1 3/4 lbs. 12 C 7555. 5-Up Ea. 3.47 1-4 Ea. 3.96

**L** 51-8 Trim Ring Baffles. Flush mount. White 24-gauge steel. Fit 8 1/2" diameter hole. 12 3/4" diameter. Use type 95-8 round enclosure. Package of 5 baffles. Wt., 6 1/4 lbs. 12 C 7502 X. . . . . Pkg. of 5 for 7.95

95-8 Round Enclosure. (Not illus.) 20-gauge steel, for use with any round baffle shown above. Jute lining cuts resonance. Size, 4 1/4 x 9 7/8" diam. Shpg. wt., 3 lbs. 12 C 7550 X. . . 5-Up Ea. 4.26 1-4 Ea. 4.86

## Soundolier Baffles with 8-inch Speakers

Fully assembled speaker-baffles consist of top quality 8-inch speaker and transformer, mounted in your choice of above baffles. Packaged units save you both money and time. Stripped leads and wire nuts make installation fast and easy.

Speakers have 3.16-oz. Alnico V magnet, handle 6 watts. Frequency response, 40-15,000 Hz. Impedance, 8 ohms. Maximum diameter, 8 1/8"; depth, 3 1/2". Mounted 70.7-volt transformer has taps for 0.5, 1 and 2 watts. Color-coded leads.

Each model includes speaker and transformer as described at left, mounted in baffle. (Baffles also available separately, also.)

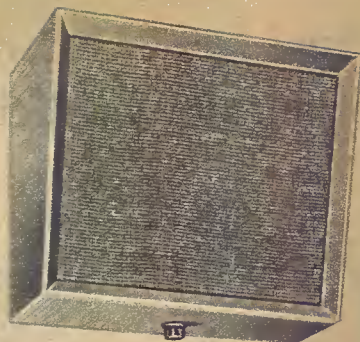
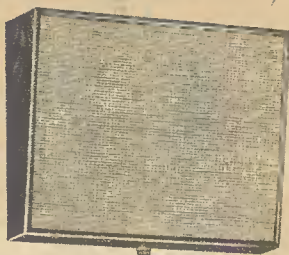
Stock No.	Model	Baffle Type	Wt. Lbs.
12 C 7501 X	B67-8	67-8	
12 C 7500 X	B61-8	61-8	
12 C 7503 X	B68-8	68-8	
12 C 7514 X	B169-8	169-8	
12 C 7522 X	B51-8	51-8	



# UTAH Popular-Price Speakers & Baffles

## Extra-Thin Baffles with 8" Speakers

Only 4" deep, yet provide all the range and volume you need for background music or paging systems, plus expert styling and clean appearance that blends well with most decors.



Smart, modern styling in a sloping baffle that's only 4" deep. Features 8" shallow speaker with internal dust seal, bonded magnet structures and barium-ferrite magnet for more sound per watt. 8 ohms. 9x12x4". With hardware. "T" suffix in Mfr's Type indicates with 70.7-volt transformer, tapped at 5, 2.5, 1.25, 0.62, 0.31 watts. Transformerless types, 15 watts peak. "V" suffix indicates with volume control.

Stock No.	Mfr's Type	Enclosure Finish	Wt., Lbs.	EACH
12 C 7869 X	TP8A-VT	Walnut-Finished Wood	4	15.54
12 C 7871 X	TP8D-T	Walnut-Finished Wood	4	14.10
12 C 7842 X	TP8B-V	Walnut-Finished Wood	3 1/2	11.95
12 C 7870 X	TP8C	Walnut-Finished Wood	3 1/4	10.98
12 C 7581 X	TS8A-VT	Walnut-Textured Vinyl	3 1/2	14.25
12 C 7013 X	TS8D-T	Walnut-Textured Vinyl	3 1/2	11.97
12 C 7012 X	TS8B-V	Walnut-Textured Vinyl	3	10.95
12 C 7562 X	TS8C	Walnut-Textured Vinyl	3	9.57

## Tapered Baffle/8" Speaker

Low As **\$13<sup>95</sup>** With Volume Control

Wall-mounting speaker that goes well with any modern decor. Perfect for music or paging in the home or office. 8" speaker features smooth bass response, L-pad volume control, 8-ohm impedance, 10-watt power capacity. Walnut finish. 9 1/2 x 12 x 6". 5 1/2 lbs. 12 C 7552 X..... 13.95 12 C 7553 X. Above, with 70.7-volt transformer tapped 10, 5, 2.5, 1.25 and .62 watts. Wt., 6 1/2 lbs..... 15.95

## Space-Saving Thin Speakers

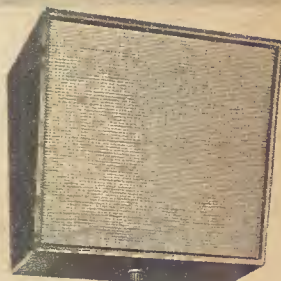
Public address speakers with internal dust seals. Number in Mfr's Type indicates speaker diameter. PA8J speaker has Alnico V magnet, others have ceramic magnet. 8-ohms. Screw terminals. Suffix "W" below indicates dual cones for wider response.



Stock No.	Mfr's Type	Watts	Mag. Oz.	Depth In.	Wt., Lbs.	EACH		
						1-2	3-5	8-Up
12 C 7907	PA8ECS	8	3.0	1 7/8	1 1/2	5.37	5.10	4.83
12 C 7908	PA8FC	10	5.5	2 3/4	1 3/4	4.98	4.73	4.48
12 C 7909	PA8FC-W	10	5.5	2 3/4	1 3/4	5.28	5.02	4.75
12 C 7872	PA8HC	12	6.0	2 1/2	2 1/2	6.30	5.99	5.67
12 C 7873	PA8HC-W	12	6.0	2 1/2	2 1/2	6.75	6.41	6.08
12 C 7916	PA8J	15	6.8	4 1/2	3	6.90	6.56	6.21
12 C 7874	PA8JC	15	10.0	3	3	6.90	6.56	6.21
12 C 7913	PA8JC-W	15	10.0	3	2 3/4	7.35	6.98	6.61
12 C 7914 X	PA12JC	18	10.0	4 1/2	4 1/2	8.97	8.52	8.07

## Stylish Tapered Baffle with 8" Speaker

**\$12<sup>95</sup>** With Volume Control



Contemporary-styled baffle with powerful 8" speaker for paging or background music. Speaker has 3-oz. ceramic magnet, 70.7-volt constant voltage transformer. Taps at 5, 2 1/2, 1.25, .62, .31 watts. L-pad volume control lets you adjust volume without affecting other speakers on same line. Walnut-stained birch veneer cabinet, 9x11x5 3/8". Screw terminals. Shpg. wt., 5 lbs. 12 C 7878 X..... 12.95

## 45-Ohm Intercom Speakers

Performance-proven intercom speakers provide more output per unit input. Deliver strong signal to amplifier when serving as "microphones" in a talk-back system. 45-ohm voice coils. \*Pincushion.



Stock No.	Mfr's Type	Size	Mag. Oz.	Watts	Depth In.	Wt., Lbs.	EACH
12 C 7875 X	SP35AI	3 1/2" Sq.	0.68	4	1 1/2	3/4	2.55
12 C 7876 X	SP4AI	4" Sq.	0.68	4	1 1/2	3/4	2.49
12 C 7011 X	SP8FCI	8" P.C.*	5.5	10	2 1/2	1 3/4	5.31

## Low-Cost Line-to-Voice-Coil Transformers

Permit driving speakers at various power levels from same 70.7 or 25-volt line. Select desired power tap on transformer—does not affect other speakers in same system. Impedance and wattage figures are printed on coil—no need to refer to a chart. Use with 4 to 16 ohm speakers as indicated. All have solder terminals. 2" mounting centers except \*2 3/4" mounting centers. Shpg. wt., 1 lb.

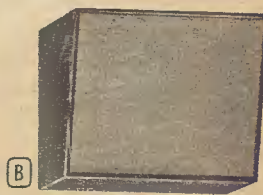
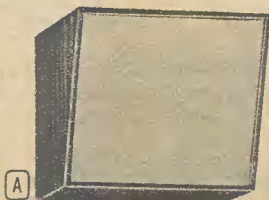
Stock No.	Watt Taps	Line Volts	Imp. Ohms	EACH	
				1-11	12-Up
12 C 7088	5, 2.5, 1.25, .62, .31	70.7	8, 4	1.59	1.47
12 C 7821	10, 5, 2.5, 1.25, .62	70.7	16, 8, 4	1.69	1.57
12 C 7822	5, 2.5, 1.25, .62, .31	25	16, 8, 4	1.59	1.47
12 C 7823	10, 5, 2.5, 1.25, .62*	25	16, 8, 4	2.24	2.05

## A Sloping Baffle with 9-Watt 8" Speaker

Sloping baffle with 8-inch speaker designed for best dispersion angle. 9-watt, 8-ohm speaker has 1.47-oz. Alnico V magnet. Screw terminals for fast wiring. Size, 9x11x6". Covered with durable wood-grained fabric. Attractive walnut finish. Shpg. wt., 4 lbs. 12 C 7091 X..... 6.95

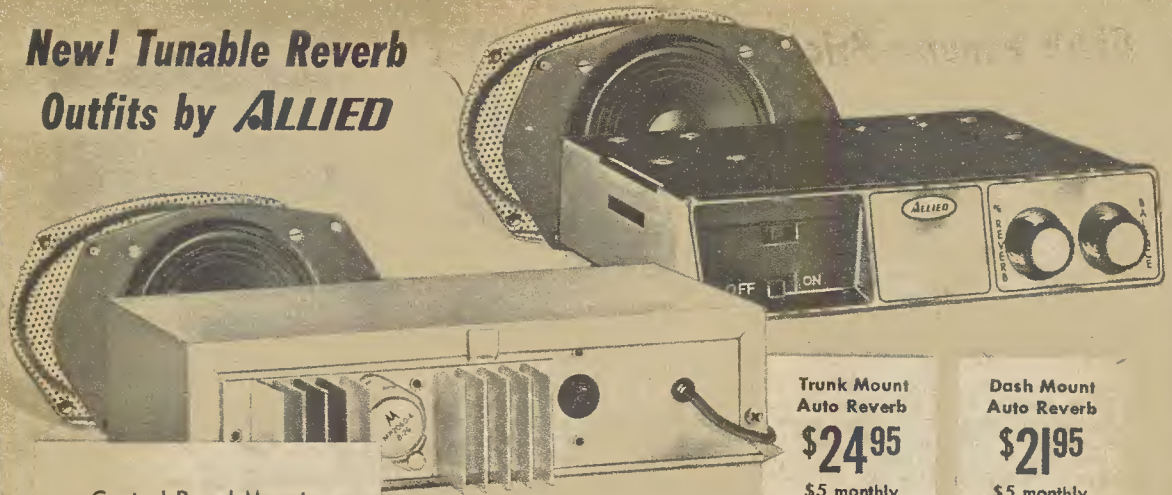
## B Low-Cost Baffle for 8" Speaker

Takes 8-inch speaker. Perfect for use in economy PA and music system installations in stores, homes and offices. Birch veneer with handsome walnut finish. Size, 9x11x5 3/8". Less speaker. Hardware included. Shpg. wt., 3 lbs. 12 C 7092 X..... 4.95





# New! Tunable Reverb Outfits by ALLIED



**Trunk Mount  
Auto Reverb**  
**\$24<sup>95</sup>**  
\$5 monthly

**Dash Mount  
Auto Reverb**  
**\$21<sup>95</sup>**  
\$5 monthly

Control Panel Mounts  
Under Dashboard



With TUNABLE  
Reverberation  
Control

## Trunk Mount Tunable Reverb

Variable control on dash panel lets you adjust reverberation for thrilling "live" sound. Double-spring system gives all the sound you want. Control unit, with pilot light, has two recessed safety knobs on die-cast panel. Solid-state, works in coldest weather. With 6" speaker (for hardtops and convertibles), 6x9" adapter-board (for rear-deck), 6x9" chromed grille. Reverb mounts in trunk. For 12 volts, neg. gnd. 5½ lbs.  
19 C 4541. \$5 Monthly.....24.95  
19 C 4542. As above, less speaker.  
Shpg. wt., 4½ lbs.....23.95

## Dash Mount Tunable Reverb

Enjoy exciting "concert-hall" reverberation in your car. Mounts under dash, connects to your car radio. Double spring reverb with tunable control gives powerful sound. Handsomely styled in chrome and non-reflective pebble grain. With safety knobs, pilot light. 1½x7x5½". Includes 6" round speaker (for convertibles and hardtops), 6x9" adapter-board (for rear deck), chrome speaker grille. For 12 volts, neg. ground. Wt., 6 lbs.  
19 C 4543. \$5 Monthly.....21.95  
19 C 4544. As above, less speaker.  
Shpg. wt., 5 lbs.....20.95

# New! Solid-State STEREO FM Car Radios at Popular Prices



**\$89<sup>95</sup>**  
\$5 monthly

- Balance Control for Amazing Stereo Realism
- Adjustable Brackets for Custom Dashboard Fit
- Solid-State Circuit
- Stereo Indicator.

## Ranger Stereo FM Car Radio

Compact solid-state stereo FM radio brings you crisp, clear FM music with full channel separation for outstanding stereo, as you drive. Balance control lets you adjust channel separation for maximum stereo effect. Powerful audio output gives outstanding sound reproduction, fully adjustable with dual-channel tone and volume controls. Indicator lamp shows when stereo programs are being broadcast. Illuminated slide-rule dial has easy-to-read scale for fast, accurate tuning, day or night. Easy to install with two screws; adjustable brackets give custom fit to dashboard contour. Uses conventional AM auto antenna. Size, 1½x9x4½". For 12 volts negative ground. Shpg. wt., 6 lbs. From Japan.  
19 C 4540 U. \$5 Monthly.....89.95



**\$99<sup>95</sup>**  
\$5 monthly

- 17-Transistor, 10-Diode Solid-State Circuit
- Wide-Range Response
- Stereo Indicator
- Peak Power Output of 15 Watts Per Channel

## Inland Deluxe Stereo FM Car Radio

Double your driving pleasure with the exciting realism of true stereo FM. Solid-state radio mounts under the dash, pulls in thrilling stereo FM programming plus monaural FM broadcasts. Powerful circuit gives 30 watts peak output (15 watts per channel) with 20 dB or better channel separation for brilliant stereo sound. Four double-tuned IF stages for high selectivity, AFC for drift-free tuning. Electronic, noiseless stereo-mono switching. Balance control, mono-stereo switch, tone and volume controls. Powerful solid-state circuit boasts 17 transistors, 10 diodes. For 12 volts DC, negative or positive ground. Fine value in a truly deluxe radio. From Japan. Shpg. wt., 7 lbs.  
19 C 4539 U. \$5 Monthly.....99.95



# FM-AM Car Radios and FM Car Tuners . . Big Values

## FM-AM Pushbutton Car Radio

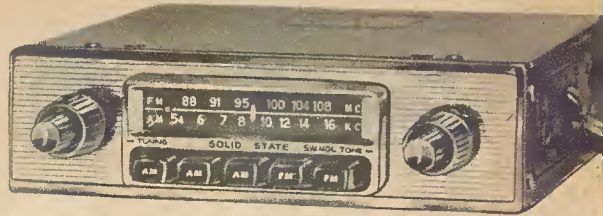
Deluxe performing 11-transistor radio gives you wide-range reception of static free FM, plus AM. Sensitive circuit pulls in strong clear signals. Push-pull output provides plenty of volume without distortion. Easily mounts under dash in all cars, trucks, or boats, and in dash in many autos. Has volume and tone controls; Automatic Frequency Control; large 5x7" speaker. 5 1/8" knob centers; 3 1/2 x 1 1/2" dial window. For 12 volts, positive or negative ground. 2x7x7". From Japan. Shpg. wt., 10 lbs.

19 C 4254 X. \$5 Monthly.....69.95

## High-Fidelity FM Car Radio Tuner

Adds the enjoyment of static free FM music to your present car AM radio. Solid-state circuit boasts 9 transistors, 4 diodes, and thermistor. AFC circuit keeps stations locked in "SS" switch eliminates overload and distortion in strong signal areas. Easily plugs into your present car radio, uses existing antenna. For 12 VDC, negative ground. Size, 2 1/2 x 7 x 6 1/2". With all cables and instructions. Shpg. wt 4 lbs.

19 C 4193 X. \$5 Monthly.....44.95



Automatic Radio \$69.95 \$5 monthly  
FM-AM Pushbutton



New FM Tuner from \$44.95 \$5 monthly  
Automatic Radio



FM-AM Radio

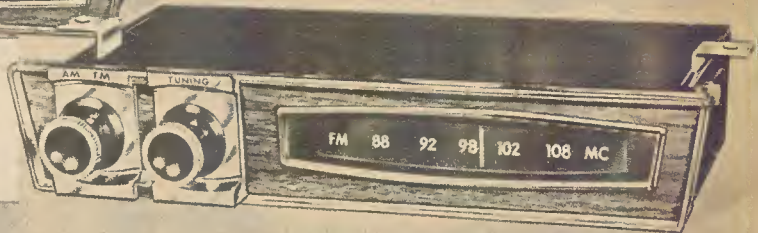
\$59.95

\$5 monthly

FM Tuner

\$39.95

\$5 monthly



## Slimline Solid-State Car Radios by RANGER

### Slim-Line FM-AM Under-Dash Radio

Slim, trim under-dash radio for complete car entertainment. Tunes high-fidelity FM broadcasts, plus your favorite AM programs. Solid-state circuit—reliable, compact. Slide-rule dial, tone and volume controls, FM-AM selector switch. Sensitive, powerful circuit includes 11 transistors, 8 diodes, thermistor. Interchangeable walnut and black vinyl inserts add to custom-installed look. Has 5x7" speaker. 1 7/8 x 9 x 4 1/2". For 12 volts, negative or positive ground. From Japan. Shpg. wt., 6 lbs.

19 C 4256. \$5 Monthly.....59.95

### Ranger Slim-Line FM Car Radio Tuner

Adds the wonderful world of FM programming to your present AM car radio. Solid-state circuit—no drift, excellent wide-range response. Has 6 transistors and 8 diodes. Automatic Frequency Control locks in FM stations to prevent tuning drift. Unique mounting design permits built-in look, and interchangeable walnut and black vinyl inserts add to custom appearance. Glistening chromed knobs and trim. Size, 1 7/8 x 9 x 4 1/2". For 12 volts negative ground. From Japan. Shpg. wt., 4 lbs.

19 C 4038. \$5 Monthly.....39.95

## Custom FM-AM Volkswagen Radio by Automatic Radio

Add the pleasure of FM and AM radio reception to your Volkswagen, at a price well below that of dealer-installed VW radios. Custom-designed pushbutton radio mounts perfectly in dash of 1958-1967 Volkswagen sedans. Five easy-set pushbuttons, three for FM and two for AM. Instant-play 11 transistor circuit has seven tuned stages, plus RF stage for long-range reception. AFC. Tone control and 6" speaker provide excellent sound quality. Includes everything for fast, easy installation. For 6 or 12 volts. From Japan. Shpg. wt., 9 lbs.

19 C 4456 X. \$5 Monthly.....69.95

\$69.95

\$5 monthly

For 6 or 12 Volt VW's



- Mounts In Dash of 1958-1967 Volkswagen Sedans
- Easy Pushbutton Controls for FM and AM Tuning

Buy All Your Auto Accessories with No Money Down

ALLIED

241



# Custom and Universal AM Car Radios

**\$29<sup>95</sup>**

\$5 monthly



## Our Lowest Priced Pushbutton AM Radio

Enjoy the ease of pushbutton tuning. Solid-state AM radio features five easy-to-set pushbuttons for fingertip control. Seven-transistor high-gain circuit offers good sensitivity and selectivity. Mounts under dash in any 12-volt vehicle. Will mount in-dash in some cars. 5x7-inch external speaker delivers big sound. 5 1/8" knob centers. Large, easy-to-read 1 1/2 x 3 1/2" slide-rule dial for on-station tuning. Size, 2x5x6 3/8". For 12 VDC negative or positive ground. From Japan. Shpg. wt., 9 lbs.

19 C 4235 X. \$5 Monthly.....29.95

**\$19<sup>95</sup>**

\$5 monthly



## Our Lowest Priced Manual AM Car Radio

Value-packed six-transistor AM car radio never priced lower. High-gain 6-transistor circuit offers good sensitivity and selectivity. Plays the instant you turn it on—no waiting for tubes to warm up. Mounts easily under dash in any 12-volt vehicle. Will mount in dash in some cars. Built-in 4-inch speaker has clear tone. 5 1/8" knob centers. Large easy-to-read 1 1/2 x 3 1/2" slide-rule dial for pinpoint manual tuning. Size, 2x5x6 3/8". For 12 VDC negative or positive ground. From Japan.

19 C 4234 X. Shpg. wt., 9 lbs. \$5 Monthly.....19.95

## Pushbutton AM Radios for Custom Mounting in Volkswagens

Pushbutton

**\$39<sup>95</sup>**

Manual

**\$29<sup>95</sup>**



Pushbutton  
Radio

**\$39<sup>95</sup>**



## AM Custom Radio for 1958-1967 Models

High-styled 7-transistor radio specially designed for custom installation in Volkswagen cars from 1958-1967. Fits perfectly in dash. Priced well below dealer-installed Volkswagen radios. Five easy-to-set pushbuttons. Tone control. Six-inch speaker. 6 or 12 volts. Japan.

19 C 4251 X. Shpg. wt., 7 1/2 lbs. \$5 Monthly.....39.95

New! AM Radio with Manual Tuning for 1958-1967 Model VW's. Above, but manual tuning only. Shpg. wt., 7 1/2 lbs.

19 C 4594 X. \$5 Monthly.....29.95

## New AM Custom Radio for 1968 Models

Install this fine-quality radio in your new 1968 Volkswagen. Priced well below dealer-installed Volkswagen radios, yet performs like a high-priced set. 7-transistors for high sensitivity, selectivity. Plays the instant you turn it on—no waiting for tubes to warm up. 5 easy-to-set pushbuttons makes it easy to tune your favorite station. Manual control tunes in seldom-used stations. Continuously variable tone control for rich lows, clear highs. Wide-range 6" speaker. For 12 VDC. Japan.

19 C 4595 X. Shpg. wt., 7 1/2 lbs. \$5 Monthly.....39.95



## Deluxe Slim-Line AM Radio Fits Any Car

**\$29<sup>95</sup>**

\$5 monthly

- RF Stage
- 6 Transistors and 8 Diodes
- Large Full-Tone 5x7" Built-In Speaker
- Luxurious Styling Enhances any Car

Full-feature AM car radio at a surprising low price. Actually rivals factory-installed radios in both luxurious styling and outstanding performance. Circuit with RF stage boasts 6 transistors and 8 diodes for high sensitivity and selectivity. Full 2-watt audio output. Tone control. Built-in 5x7" full-tone speaker. Mounts easily under the dash of any car, with universal mounting bracket. Interchangeable walnut and black vinyl inserts. Chrome-trimmed case, 1 1/2 x 9 x 4 1/2". For 6 and 12 VDC, negative or positive ground. From Japan. Shpg. wt., 5 lbs.

19 C 4255. \$5 Monthly.....29.95



## Pushbutton 9-Band Shortwave Car Tuner

**\$29<sup>95</sup>**

\$5 monthly

- Tunes 3.1 to 22 MHz in 9 Bands
- Plays Through AM Car Radio
- Plug-In Hookup—No Rewiring

Receive shortwave in your car. Solid-state tuner pulls in European radio, Voice of America, more. Pushbuttons select 90, 60, 49, 41, 31, 25, 19, 16 and 13 meters. Tune your AM radio to "10", select desired band, then tune with your regular radio. Plugs into antenna socket of AM radio, uses its standard antenna—no rewiring! 1 5/8 x 8 1/2 x 3 1/2". 6 or 12 V, neg./pos. ground. Wt., 3 1/2 lbs.

19 C 4041. \$5 Monthly.....29.95



# Rear Deck Speaker Kits, Accessories for All Cars

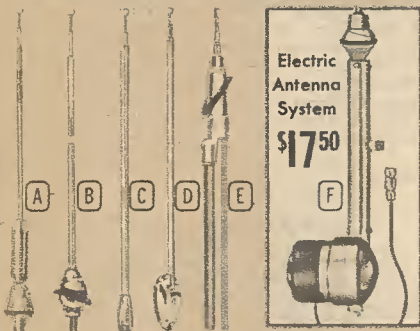
## "Hash-Husher" Noise Filter Kit



Low As  
**\$10.50**

Reduces Annoying Interference—Especially Effective on FM Radio and CB

Add miles to mobile AM, FM, CB or Ham reception. Filters out interference ("hash") carried to your radio receiver from the ignition, alternator, etc. Won't affect electrical or mechanical operation. Snaps in place between spark plugs and leads. Has high-tension coil-to-distributor filter lead. Shpg. wt., 8 oz.  
19 C 4435. HH-8 for 8 Cylinder.....12.95  
19 C 4436. HH-6 for 6 Cylinder.....10.50  
19 C 4593. HH-4 for 4 Cylinder.....10.50



Electric Antenna System  
**\$17.50**

## Automobile Radio Antennas for AM or FM Reception

- A** SP-3800. Has built-in booster coil for long range reception—equivalent to 125' mast. Swivel ball base permits mounting at any angle. With unbreakable stainless steel spring mount. 3 sections, 48" lead cable.  
19 C 4437 X. Shpg. wt., 2 lbs.....3.49
- B** SP-901. Standard 3-sec. top mount with ball and steel stamped rocker base. Extends from 25" to 57". Has 48" fixed lead cable. Shpg. wt., 2 lbs.  
19 C 4438 X.....1.89
- C** SP-100. Universal replacement for broken mast—mast of stud. 3 sections extend from 23" to 57". With Allen wrench, set screws. Shpg. wt., 1 lb.  
19 C 4439 X.....98¢
- D** SP-2601. Single stanchion side-mount. For any model Volkswagen through 1966, other foreign cars. 23" mast extends to 57". With chrome base, 36" copper lead cable.  
19 C 4440 X. Shpg. wt., 2 lbs.....2.49
- E** 19 C 4441 X. For '67, '68 Volkswagens...2.89
- F** TM-5. Electric power antenna for front mounting on most domestic cars. Extends to 35", collapses to 1 1/4". With 54" shielded cable, 72" elec. harness. Operates from 12 VDC; 15-lb. thrust. Includes hardware.  
19 C 4442 X. Shpg. wt., 6 lbs.....17.50  
19 C 4443 X. Adopt. for Rear Mount. 1 lb...2.93

## Enrich the Sound of Your Car Radio With a Utah Rear Deck Speaker Kit



### **G** 6x9" Rear Deck Speaker Kit

Rear deck kit features speaker with 5.5-oz. magnet. Wire for 10, 20, 40 ohms. 12-watts music power. Deluxe chromed grille, 5 1/2 x 9". Depth, 3". Screw terminals. Grill, escutcheon, fader, hardware, wire, instr.  
19 C 4572. Wt., 1 3/4 lbs.....8.95

### **H** Duo-Type 6x9" Speaker Kit

Easy-to-install extended-range speaker kit improves sound of transistor radios. Can be wired for 8, 20, 40 ohms. 1.47-oz. magnet. With chrome grille, dash-mounted 3-way switch, wire, hardware, instr.  
19 C 4574. Shpg. wt., 2 1/2 lbs....6.95

### **J** 6x9" Hi-Fi Speaker

Finest 2-way rear deck automotive speaker kit. Features 6x9" woofer—6-oz. magnet for powerful bass; built-in 3" tweeter for better reproduction of high notes.

Can be wired for 10, 20, or 40 ohms. Capacity, 15 watts peak. Chrome grille, 5 1/2 x 9". Depth, 3". Screw terminals for no-soldering hookup.

With grille, escutcheon, fader control, hardware, wire, instructions.

19 C 4571. 2 1/2 lbs. 12.95

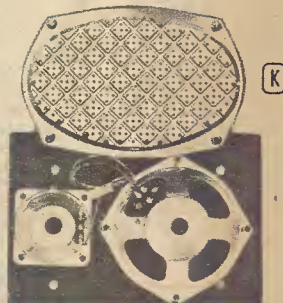
### **K** 2-Speaker Rear-Deck Kit

**\$5.95** • 5" Woofer, 3 1/2" Tweeter  
• Independent Vol. Control

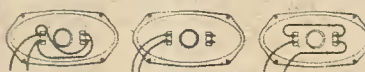
Surround yourself with sound. Separate 5" woofer and 3 1/2" tweeter offer smooth response, add presence. Woofer, tweeter, crossover network are completely wired and installed on a baffle plate. For 8-10, 20, 40 ohms. Capacity, 6 1/2 watts peak. Fits 6x9" cutout. Volume control, hardware, chrome grille. Shpg. wt., 3 lbs.  
19 C 4573.....5.95

### **L** Rear-Seat Speaker Kit

Multi-impedance speaker kit for cars with recessed grille in middle or rear seat. With 6" speaker, 3-way vol. control, dial plate, mtg. hardware, knob connectors, wire, instr. No soldering necessary. 10-20-40 ohms; Less grille.  
19 C 4581. Shpg. wt., 2 lbs. 4.95



**L** Mounts in Recessed Grille



8-10 ohms      20 ohms      40 ohms

## UTAH UNIVERSAL AUTO REPLACEMENT SPEAKERS

Standard Universal replacement speakers with 2 separate voice coils that can be connected for 8-10, 20, 40 ohm speakers. Av. shpg. wt., 9 oz.

Stock No.	Type	Size	Imp.	EA.	Stock No.	Type	Size	Imp.	EA.
19 C 4582	SP67DM1	5x7"	10/20/40	4.11	19 C 4588	SP610E8	6x10"	8-10	4.95
19 C 4583	SP69DM1	6x9"	10/20/40	4.35	19 C 4589	C57ECW	5x7"	8	4.50
19 C 4584	SP410EM1	4x10"	10/20/40	5.07	19 C 4590	C69JCW	6x9"	8	5.95
19 C 4585	SP6DM1	6"	10/20/40	4.11	19 C 4591	C69FCMIW	6x9"	10/20/40	7.95
19 C 4586	C57C	5"	8	4.50	19 C 4592	C69GC3MI	6x9"	10/20/40	10.50
19 C 4587	SP52D8	5x8"	8-10	3.75					

You Get More for Your Money When You Buy from Allied

ALLIED 243



# Install-it-Yourself auto accessories

**Electronic-Magneto Ignition System**

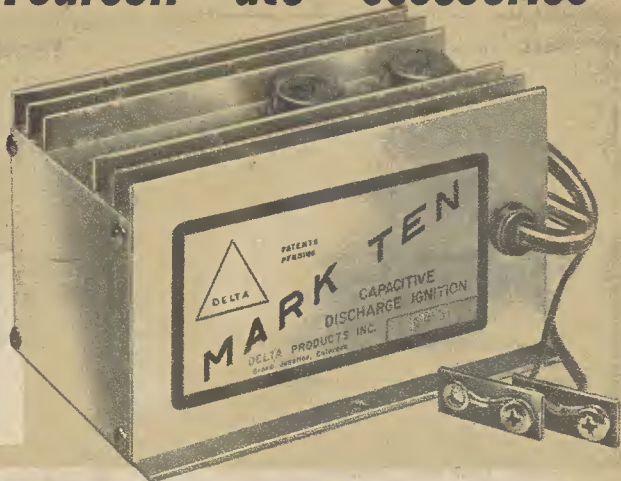
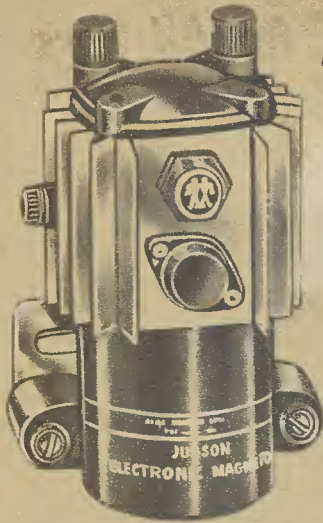
**\$39<sup>95</sup>**

\$5 monthly

**Capacitive-Discharge Ignition System**

**\$39<sup>95</sup>**

\$5 monthly



## Judson Electronic-Magneto Ignition System

Performance-proved silicon transistor system gives improved ignition for faster starts, outstanding high-rpm performance, longer plug and point life. Like the mechanical magneto, voltage increases as engine speed increases, matching ignition requirements of engine. Even the output waveform is same as a magneto, reducing plug wear and giving hotter spark. One-piece unit installs easily, simply transfer 2 wires from present coil. Uses less current than standard ignition. For 6 or 12 V neg. gnd.

19 C 4112. Shpg. wt., 3 1/2 lbs. \$5 Monthly. . . . . 39.88  
19 C 4385. As above, but for positive ground. . . . . 39.88

## Delta Capacitive-Discharge Ignition System

"Mark 10." True *electronic* ignition system for car or boat. Develops 3 to 4 times more energy, with spark rise-time 10 times faster, for complete combustion. Reduces waste, boosts performance, gives easier starts in any weather. Provides up to 20% better gas mileage; 3 to 10 times longer spark plug life; 60 to 80% less ignition maintenance. Silicon Controlled Rectifier switching—unaffected by temperature extremes. Installs in just 10 minutes, using standard coil—no rewiring! Size, 8x5x4". For 12 volts DC negative ground. Shpg. wt., 3 lbs.

19 C 4552. \$5 Monthly. . . . . 39.95

## Full-Sweep 270° Auto Tachometer

**\$29<sup>95</sup>**

\$5 monthly

- Our Best Selling Auto Toch
- 0-9000 rpm • Panel Mount
- Illuminated Full-Sweep Dial

Custom-styled 3 1/2" tachometer gives accurate indications of engine rpm. Full-sweep 270° dial has three times the needle travel of ordinary tachs. Adjustable pointer can be set to shift points. Reads 0-9000 rpm. Universal panel mount, handsome chromed case. Zener diode controlled. For 6 or 8-cylinder engines; 6 or 12 volt systems, positive or negative ground. 3 lbs.

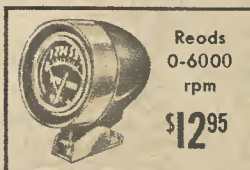
19 C 4431. \$5 Monthly. . . . . 29.95



**A** Wide-Sweep "GT" Tachometer. Gives continuous 0-8000 rpm reading for maximum performance and gas mileage. Zener regulated for accuracy. Solid-state circuit. Lighted 3 1/2" dial. You set adjustable pointer to show when to shift. Black/chrome finish. Universal mount. For 8-cylinder cars only. 6-12 V, positive or negative ground. 19 C 4427. Shpg. wt., 1 1/4 lbs. \$5 Monthly. . . 19.95

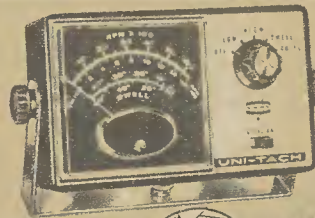


**B** Custom 2" Bullet Tachometer. Rugged tach with 2" illuminated dial, reads 0-8000 rpm. Zener diode regulated for accuracy. Universal mount for steering column, console, under dash, top of dash. Adjustable shift indicator. Black/chrome. For 6 or 12 volts, positive or negative ground. 1 1/4 lbs. 19 C 4087. For 8-Cylinder Cars. . . . . 12.95  
19 C 4088. For 6-Cylinder Cars. . . . . 12.95



## Volkswagen Tach

Get top performance from Volkswagen, most other 4-cylinder cars. Bullet tachometer reads 0-6000 rpm. Lets you know when to up-shift for best acceleration, when to downshift to avoid lugging—insures best gas mileage. Just set pointer to proper shift points. Illuminated 2" dial. Mounts anywhere. Black/chrome. For 6 or 12 V ignition. Wt., 1 1/4 lbs. 19 C 4430. . . . . 12.95



**\$29<sup>95</sup>**

\$5 monthly

## Uni-Tach Motor Monitor

Versatile instrument can be dash or console-mounted, or used as tune-up tester. Measures: engine rpm (2 ranges): 0-1600, 0-6400 rpm; dwell angle, 0-45°-60°; battery output, 0-16 volts. Determines point condition, monitors timing. For 4, 6 and 8-cylinder engines; 6 or 12 VDC pos. or neg. ground. Easy to install—only three connections. With cable, mtg. hardware, plug-in test leads, instructions and tune-up guide. 6 1/4 x 3 3/4 x 2". Wt., 4 lbs. 19 C 4015. \$5 Monthly. . . . . 29.95



# Easy-to-Install Accessories for Your Car

## RAC Continental-Styled Auto Gauges

Continental design gauges monitor your engine continuously, eliminate guesswork. Minimize possibility of engine damage. Illuminated gauges have black diamond chrome bezels, are set in luxurious chrome edge panels with simulated teak inlay. With fittings and mounting hardware. For 12 volts.

- A** 989 Trio Combination Panel. Includes 0-80 lb. oil pressure gauge, 60-0-60 ammeter, 100-250° electrical water temperature gauge. Wt., 2 lbs.  
19 C 4564 ..... 17.95
- B** 942 Dual Combination Panel. Includes 0-80 lb. oil pressure gauge, 60-0-60 ammeter. 1½ lbs.  
19 C 4565..... 6.95
- C** 284 Oil Pressure Gauge. Reads 0-80 lbs.  
19 C 4568. Shpg. wt., 8 oz..... 4.95
- D** 416 Water Temperature Gauge. Reads 100-250°.  
19 C 4567. Shpg. wt., 8 oz..... 9.95
- E** 468 Ammeter. Reads 60-0-60 amps.  
19 C 4566. Shpg. wt., 8 oz..... 4.95
- 19 C 4597. 8' 10-ga. Wire for Ammeters. 8 oz. .... 1.14



\$17.95

**A** 989 Trio Combination Panel



**B**



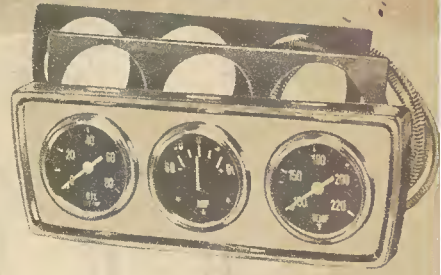
**C**



**D**



**E**



## Combination 270° Water-Oil-Amps Gauge Kit

Illuminated Gauges In Chrome Panel **\$14.95**

Custom-styled panel with trio of 270° wide-sweep gauges for efficient monitoring of your engine's operation. No need to trust your engine to the usual indicator lights—you can spot trouble before it begins. Includes 0-80 lb. oil pressure gauge, 100-220° water temperature gauge, and 60-0-60 ammeter. Illuminated, in deluxe chrome panel with black and walnut inlays. For 12 volts DC.  
19 C 4560. Shpg. wt., 2 lbs. .... 14.95

### Fiamm Musical Horn Sets

**\$69.95** Each **\$5** monthly

River Kwai

Cavalry Charge

**Model 501. River Kwai (Col. Bagey's March) Musical Horn.** Five-trumpet horn set plays the first four bars of famous Col. Bogey's March from the award winning film "Bridge on the River Kwai". Cycle switch permits horns to sound simultaneously. Enameled die-cast trumpets (longest is 15"); battery-operated single-blast compressor. One mile range. Switch for use of regular horn. For 12 VDC neg. gnd.  
19 C 4461 X. 12 lbs. \$5 Monthly. .... 69.95

**Model 411 Cavalry Charge Musical Horn Set.** (Not illus.) Similar to "River Kwai" set, but has 4 trumpets. Plays U.S. cavalry charge. Shpg. wt., 10 lbs.  
19 C 4462 X. \$5 Monthly. .... 69.95

### Two-Tone Single-Blast Horn Set

**\$19.95**  
\$5 monthly

9-inch Trumpets

**Model 32.** Two chrome-plated brass horns play continental-type alternating signal or single blast. Powerful, distinctive and attention-getting. Range, ½-mile. Cycle switch, heavy-duty compressor. 12 VDC negative ground. Wt., 5 lbs.  
19 C 4187 X. \$5 Monthly. .... 19.95



**Siren Burglar Alarm**  
**\$27.95** Spun-Aluminum Siren

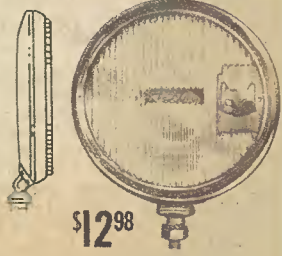
Protects your car with sharp penetrating sound of a police-type siren. Operates when doors, hood or trunk are opened and continues until alarm is turned off with key. With 6 switches, brackets, electric lock, hardware, instructions. 12 V neg. gnd. 6 lbs.  
19 C 4127 X. \$5 Monthly. .... 27.95

**Triplite Burglar Alarm**  
**\$24.95** Plastic Siren

Piercing siren goes off when door is opened, hood or trunk lid is raised. Can be wired to blast when emergency brake is released. Stays on until reset by pick-proof lock. With all switches, brackets, wire, instructions. For 6, 12 or 24 V neg. gnd. Wt., 5 lbs.  
19 C 4569 \$5 Monthly. .... 24.95

## Marchal Fog and Driving Lamps

Extremely powerful fog and driving lamps, promote safer night driving. Ultra-thin design. Special heat interchanger, hardened and tempered white glass lens, long-life quartz-iodine element. 5¾" diameter, 2½" deep. Adjustable mounting bracket. 12 VDC. Shpg. wt., 2 lbs.  
19 C 4557. Fog Lamp. .... 12.98  
19 C 4558. Driving Lamp. .... 12.98  
19 C 4559. Replacement Element. .... 4.98



\$12.98



# Keep Your Car in Top Tune and Save

## BONUS OFFER

Keyless E-Z Start

**FREE**

when you buy all three of these RAC hand-held car engine testers, listed at right.

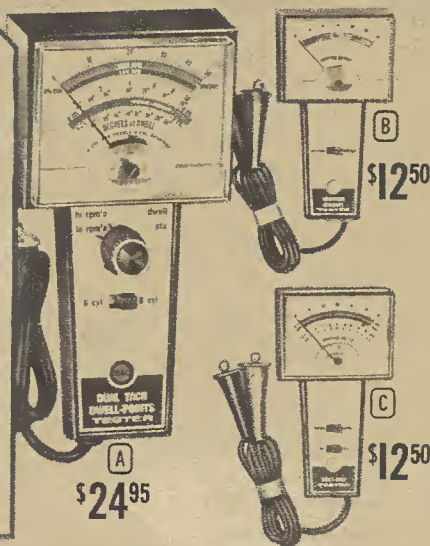


Described below

Save \$4.88

4-Piece Outfit Only

\$49.95 \$5 monthly



\$24.95

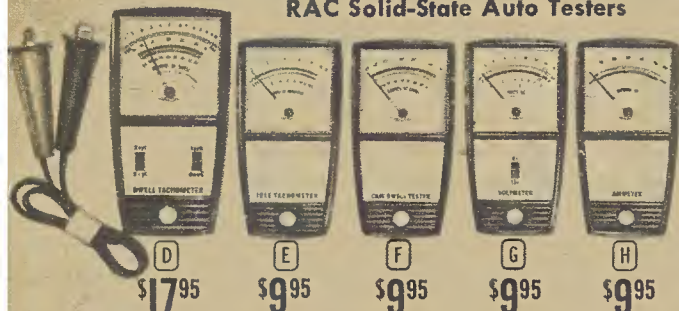
\$12.50

\$12.50

## Hand-Held Car Engine Testers

- A** Dual-Range Dwell/Tach/Points Auto Tester with Big 3 1/2" Meter. Dual-range tach scale, 0-1000 and 0-5000 rpm. For adjusting idling speed, high-speed engine adjustments, properly setting correct cam angle of points. 0-45°, 0-60° dwell ranges. Resistance scale tells you when points should be replaced. For 4, 6 or 8-cylinder, 4-cycle engines, 6 or 12-volt systems. Zener-regulated. 1 lb.  
19 C 4194. \$5 Monthly..... 24.95
- B** 3 1/2" Meter Ignition Circuit Tester. Quickly and easily pinpoints troubles in the ignition system. Checks points, coil, condenser, spark plug, wire, resistance. Color-coded scale. Oil and gas-resistant leads. For 6, 12, 24-volt, pos. or neg. gd. Wt., 1 lb.  
19 C 4195..... 12.50
- C** 3 1/2" Meter Volt-Amp Tester. For testing, troubleshooting, setting generators, alternators, voltage regulators, overall electrical system. Ranges: volts, 0-8, 0-16; amps, 0-60. For 6-12 volts, positive or negative ground.  
19 C 4196. Shpg. wt., 1 lb..... 12.50
- 4-Piece Outfit. All three units above, plus FREE Keyless E-Z Start Bonus. 5 lbs.  
19 C 0008 L4X. \$5 Monthly..... 49.95

## RAC Solid-State Auto Testers



\$17.95

\$9.95

\$9.95

\$9.95

\$9.95

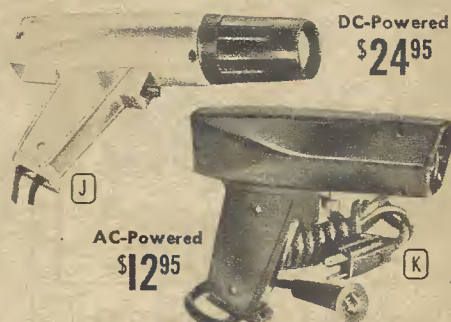
**D** Idle Dwell/Tach Auto Tester. Measures dwell and rpm on 4, 6, 8-cylinder engines without changing connections or instruments. Scales: 0-1000 rpm; 0-45°, 0-60°. Tells when points are spaced right, reveals dwell angle variations. Checks weak cylinders, valves, plugs, air-filter capacity, air-fuel ratio. Burnout-proof. Shpg. wt., 1 lb.  
19 C 4197..... 17.95

**E** 555 Idle Tach Tester. 0-1000 rpm. For adjusting idle speed on 4, 6, 8-cyl. engines. For 6-12 volts pos. or neg. gnd.  
19 C 4198. Shpg. wt., 1 lb..... 9.95

**F** 556 Com Dwell Tester. 0-45°, 0-60°. Shows cam dwell angle of breaker points on 4, 6, 8-cyl. engines. 6-12 V.  
19 C 4199. Shpg. wt., 1 lb..... 9.95

**G** 558 Dual-Range Voltmeter Tester. For checking and troubleshooting 6 and 12 volt ignition systems.  
19 C 4205. Shpg. wt., 1 lb..... 9.95

**H** 559 Current Tester. Sets alternator and generator volt. reg. 6-12 volts.  
19 C 4206. Shpg. wt., 1 lb..... 9.95



DC-Powered \$24.95

AC-Powered \$12.95

**J** Deluxe DC-Power Timing Light. Provides brilliant, blue-white flash for checking ignition timing even in daylight. Safe, shock-proof. Triple-plated chrome finish. Operates from 6 or 12-volt car battery. Fully protected against accidental burnout in case of reverse polarity. Leads. 3 1/2 lbs.  
19 C 4463. \$5 Monthly..... 24.95

**K** AC-Powered Timing Light. Gives sharp, bright image for accurate timing. Checks automatic spark advance, detects worn distributor shaft, helps sync double points. Xenon strobe, U.L. Listed. 110 V, AC/DC.  
19 C 4160. Shpg. wt., 2 lbs..... 12.95

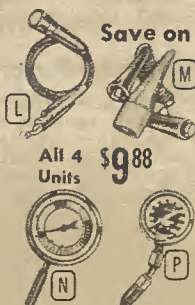
## RAC Keyless E-Z Start

\$4.88 Starts, Turns Off Engine from Under-the-Hood

Simplifies repair jobs, eliminates need for the second man. Combination remote starter/ignition switch "starts" car without a key. Lets you turn on ignition, start motor, and turn off ignition from under hood. Supplied with extra-long leads. Housed in shockproof case. Shpg. wt., 2 lbs.  
19 C 4114..... 4.88



## Save on Complete Set of Troubleshooter Testers



All 4 Units \$9.88

- Complete Set of 4 Testers Listed Below.  
19 C 4113 X. 5 1/2 lbs. Save 69¢..... 9.88
- L** Timing Light. Neon bulb. Wt., 1 lb.  
19 C 4012..... 2.75
- M** Remote Starter. Lets you crank engine from under hood. Wt., 1 lb.  
19 C 4011..... 1.98
- N** Vacuum and Fuel Pump Tester. 0-30" vacuum, 0-7 lbs. pressure. Wt., 1 1/2 lbs.  
19 C 4014..... 2.89
- P** Compression Tester. 0-300 lbs. 1 1/2 lbs.  
19 C 4013..... 2.95



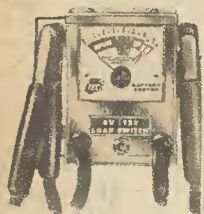
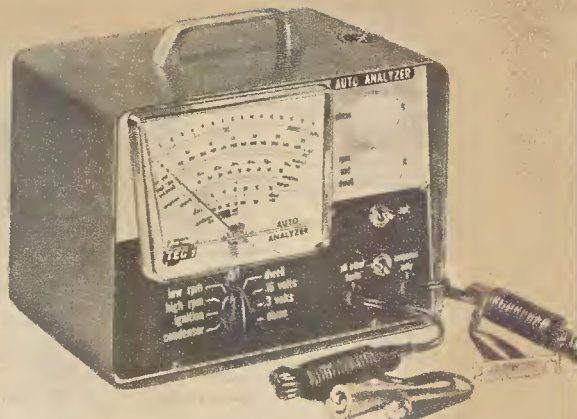
# Deluxe Automotive Test Instruments

## Solid-State All-Purpose Auto Analyzer

- Color-Coded, Easy-to-Read 7" Meter
  - Tachometer, Spark Tester, Dwell Meter, Voltmeter, Ohmmeter, Ammeter and Condenser Checker—All in One Unit
- \$69<sup>95</sup>**  
\$5 monthly

A "must" for the serious repairman. Fast-working, all-in-one battery-powered analyzer makes tune-ups and servicing easier. For 4, 6 and 8-cylinder engines. Tachometer reads engine rpm—helps you to set idling speed and automatic transmission shift points. Dwell meter tests points, distributor and spark advance. Ammeter checks generator, alternator, voltage regulator. Ohmmeter covers electrical systems. Color-coded scales: Tachometer, 0-1200 and 0-6000 rpm; Dwell angle, 0-60°; Amps, -5 to +90; Volts, 0-3, 0-16; Spark Output, 0-30; Resistance, 0-20,000 ohms; condenser resistance; coil resistance. For 6 or 12 volts. With batteries. Shpg. wt., 8 lbs.

19 C 4208 X. \$5 Monthly... 69.95  
18 C 5079. Extra Batteries. (Use 3.) 10 oz. .... Pkg. of 4 for 65¢



## Deluxe Hard-Top Battery Tester

**\$29<sup>95</sup>** Extra-Large D'Arsanval Meter  
\$5 monthly

Designed to test covered-top car batteries, without removing cover. Checks charging rate and voltage drop—lets you be certain your battery won't fail when you need it most. Also tests discharged batteries. Extremely easy to operate—makes complete test in only 30 seconds. Big easy-to-read D'Arsanval meter. For 6 or 12 volts. Wt., 4 lbs.

19 C 4209. \$5 Mo. .... 29.95



Easy-to-Read 6" Meter

Use When Idling Or Moving



## Exhaust Gas Analyzer

Clues you in on combustion problems and assists in making carburetor adjustments. Carburetor can be set while car is idling, or pickup unit can be hung on rear bumper, with receiver in car for precise settings on the road. Measures air-fuel ratios from 11 to 15, and percent of combustion. Color-coded Rich-Idle-Lean scale also indicates proper setting for smog control. Usable for propane and butane, too. 12 lbs.

19 C 4207 X. \$5 Monthly... 69.95

**\$69<sup>95</sup>**  
\$5 monthly

Dual-Range Dwell/Tach, Volt/Amp, Points Tester



**\$49<sup>95</sup>**  
\$5 monthly

## RAC Tune-Up Analyzer

Precision analyzer combines four instruments for variety of tests: dwell-tach, voltmeter, ammeter, points resistance meter. Permits easy tune-ups for peak engine performance. Big 5 1/2" easy-to-read dial. For 4, 6 or 8-cylinder engines, 6 or 12 V, pos. or neg. gnd. Tach measures 0-1200 and 0-8000 rpm; Dwell angle, 0-45 and 0-60°; Volts, 0-8, 0-16; Amps, 0-80; Points on Good/Bad scale. Zener regulation. 5 lbs.

19 C 4570. \$5 Monthly... 49.95

## Schauer Battery Chargers and Boosters at Low Allied Prices

**A** J-5612 Boost/Charger. Uses 110 VAC current for fast starts of engines with dead battery, plus rapid charging of 6 or 12 volt batteries. Builds to 100 amps or more on 6 volt battery, 60 amps or more on 12 volt. Charges at 20 amp rate. Automatic temperature controlled circuit breaker. 7 1/4 x 10 3/8 x 9 1/2". With 3 1/2-ft. DC leads, 10-ft. AC cord. Wt., 15 lbs.  
19 C 4562. \$5 Monthly... 49.95

**A-6612 4-Amp Charger.** For 6 or 12-V batteries. Charges in 5-14 hrs. Circuit breaker; ammeter. 7 1/4 x 4 1/2 x 5". 115 V, 60 Hz AC.  
19 C 4008. Wt., 5 lbs. .... 9.95

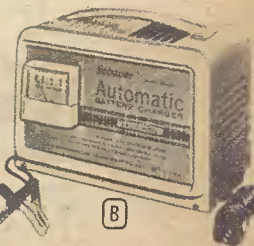
**B** BR-112 6-Amp Automatic Charger. For 12-V batteries, operates without attention. Automatically shuts off when battery is fully charged, with "trickle charge" to keep battery at full capacity. Ammeter. Gold-color case, 9 3/8 x 6 x 6 1/2". For 110-120 V, 60 Hz AC. 9 lbs.  
19 C 4004. \$5 Monthly... 19.95

**C-6612 10-Amp Charger.** 6- or 12-V batteries in 2-6 hrs. Circuit breaker, ammeter. 9 3/8 x 6 x 6 1/2". 110-120 V, 60 Hz AC.  
19 C 4010. Wt., 11 lbs. .... 16.95  
19 C 4009. B-6612 6-Amp Charger. Charges 6 or 12-V batteries in 3-7 hrs. 115 VAC. 9 lbs. .... 11.95



**NEW A**  
J-5612 Battery Boost/Charger

**\$49<sup>95</sup>**  
\$5 monthly



**B**  
BR-112 Automatic 6-Amp Charger  
**\$19<sup>95</sup>**  
\$5 monthly

Your Dollar Buys More When You Order from Allied

ALLIED 247



# Install-It-Yourself Auto-Safety Accessories

"Radar Alert"



**\$29<sup>95</sup>**  
\$5 monthly

Gives audible warning when triggered by police radar. Alerts you when driving into dangerous area; makes you aware of speed limits for safety. Small and compact, it clips to sun visor. Has 8 transistor circuit powered by two 1000-hour mercury cell batteries. Volume control. Size, 2 1/4 x 3 3/8 x 3 1/4". Beige color. Use may be regulated by state laws. Shpg. wt., 1 1/4 lbs.

19 C 4132. 85 Monthly..... 29.95

Marker Lights add Style and Safety to Your Car



**A Side Marker Lights**  
**\$4<sup>95</sup>** Set of 4

**B Side Marker/Turn Indicator Light Set**  
**\$8<sup>95</sup>** Set of 4

**A Side Marker Lights.** Bring your car up-to-date with side marker lights, required by law on all 1969 cars. Gives added safety to your car and passengers by warning autos approaching from the side. Easy to install; waterproofed; uses S.A.E. lenses and bulbs. Set includes two red and two amber. For 12 VDC. Wt., 1 1/2 lbs.

19 C 4021.....Set of 4 for 4.95

**B Light Cornering Set.** Deluxe warning lights give your car an up-to-the-minute look. Light-up with headlights and blink in unison with turn indicators, warning other cars approaching from the side. Waterproof construction. Easy-to-install, solderless connectors. Includes 2 red and 2 amber. For 12 VDC. 1 1/2 lbs.

19 C 4034.....Set of 4 for 8.95

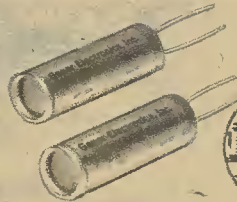


**Battery-Operated Fluorescent Light**  
**\$16<sup>95</sup>**

Operates Off Any 12-Volt Car Battery

Enjoy bright fluorescent light outdoors. Ideal for campers, hunters, fishermen. Operates economically from your car cigarette lighter/battery. Requires only 1 amp, 12 VDC. Complete outfit includes: 25' cord, reflector, battery jumper set, 8-watt fluorescent tube, cigarette lighter adapter, transistorized power converter. Shpg. wt., 3 lbs.

19 C 4189 X..... 16.95



**Sequential Turn Signals**  
**\$18<sup>95</sup>**

• Easy to Install  
• Modular Circuit

Modernize your car with sequential turn signals. Continuous, pulsing waves of light point direction of turn. Installs on any car having 3 tail/stop lights on each side. Consists of two encapsulated transistorized units (one for each tail light), four color-coded cables molded in each unit, automatic connectors. For 12 VDC. Shpg. wt., 3 lbs.

19 C 4457..... 18.95



**Hazard-Warning Flasher**

**\$4<sup>29</sup>**

A safety "must" for every car. This handy device prevents possible collision when you're stranded on a highway at night. Flashes all four turn-signals at once—warns approaching traffic of your stalled vehicle. Easy to hook-up; no wire cutting or stripping. Illuminated pull-switch. For 12 VDC. With flasher, fuse, bulb and wire.

19 C 4029. Shpg. wt., 2 lbs..... 4.29

**Bon-Aire Auto Vacuum**



Plugs into Car's Lighter Socket

**\$8<sup>88</sup>**

No car owner should be without this handy vacuum cleaner. Cleans-up campers, boats, planes, autos. Lightweight design. Powerful suction provided by 12,000 rpm motor and specially pitched impeller. Handy nozzle gives easy access to hard-to-get-at places. Dentproof finish. Draws only 4.5 amps. Size, 4x17". For 12 VDC.

19 C 4257 X. Shpg. wt., 2 lbs..... 8.88



**53-Amp Alternator System**  
**\$59<sup>95</sup>**

\$5 monthly

• Keep Your Battery at High-Charge Level

• Even Charges at Idle

Replaces low-amp alternator or generator—keeps battery at high-charge level. Gives a peak of 53 amps, 15 amps at idle. Splash-proof windings. With regulator, 3/8" single pulley (not for air-cond. cars with 2 drive belts), bracket, cables. 12 VDC neg., pos. gnd.

19 C 4039 X. Wt., 17 lbs.... 59.95



**New Safety Auto Mirror**

**\$6<sup>95</sup>**

• Offers Two-Way Protection

• Instant Clear Visibility

See better in all weather! Mirror defrosts, defogs at the flick of a switch; "flips" for glare-free night driving. Ellipse shape, considered to be the most perfect shape for auto mirrors. New look! For 12 VDC. Shpg. wt., 2 lbs.

19 C 4027.....Each 6.95



194 pieces

SPECIAL PURCHASE!



**Husky**

Tremendous Socket  
and Tool Set Offer!

**\$39<sup>99</sup>**

\$5 monthly

### New 194-Piece Professional-Quality Socket Wrench and Tool Set

- Husky Tools Forged from Tough Alloy Steel
- Sockets are Protected with Triple-Plated Chrome Finish
- Set includes 50 Sockets and Accessories for Every Job

- Includes Metric Socket Set for Working on Foreign Cars
- Automotive Ignition Sets for Complete Ignition Overhaul
- Large Steel Tool Box with Convenient Removable Tray

Pay less than 21¢ each for these finest-quality tools—the value of the year! With the correct tool on hand for every mechanical job, you'll find the job easier and faster to do, and you'll do it better! This professional-quality, low-cost 194-piece tool set offers the perfect selection of precisely-made tools for virtually any mechanical job requirements. *Alloy sockets and handles:* 1/2" drive—ten sockets (1/16" to 1"), ratchet, 19" speeder, 5" extension; 3/8" drive—seven sockets (3/8" to 3/4"), 1/2" to 3/8" adapter; 1/4" drive—eight 6-point sockets (3/16" to 1/4"), three 8-point sockets (1/4" to 3/8"), 6" extension, 6" flex handle. *Carbon sockets and tools:* 1/2" drive—seven sockets (1/16" to 1/8"),

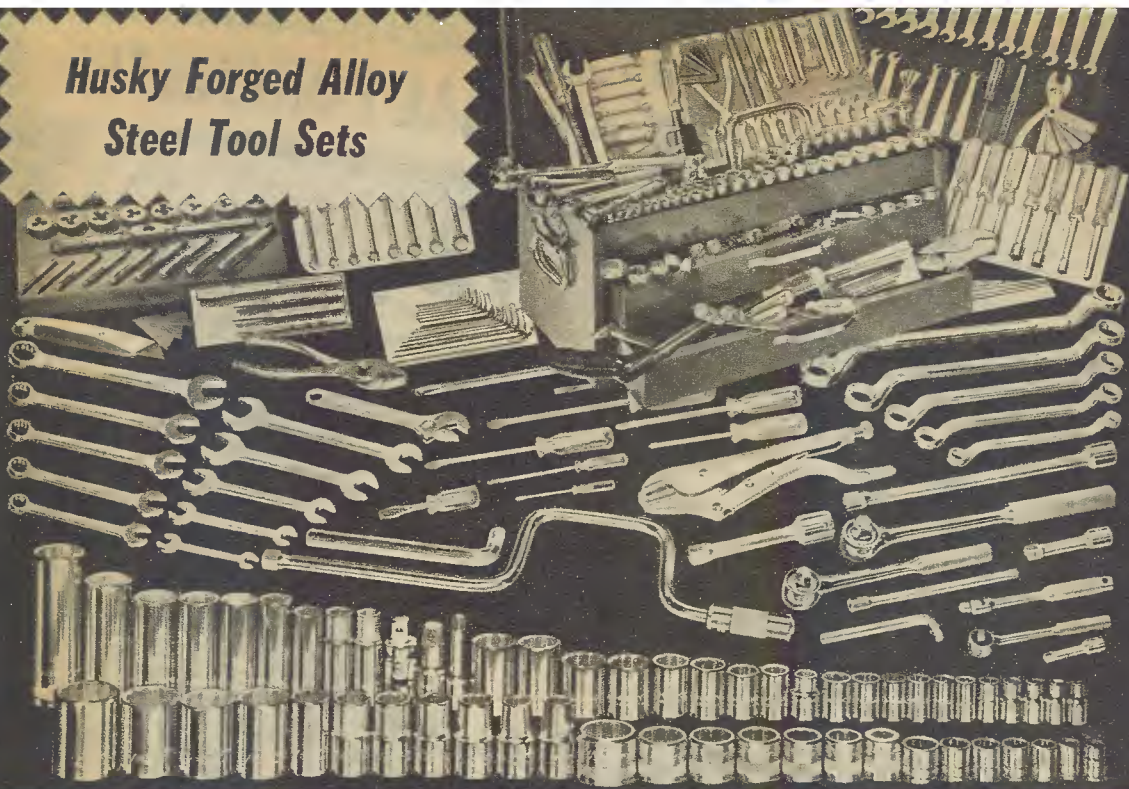
"L" handle, metric drive—seven sockets (7mm to 14mm), "L" handle; 1/4" drive—seven sockets (1/4" to 1/2") with "L" handle and rack; 1 3/16" spark plug socket and bar. *Other tools included:* 5-piece open-end wrench set (3/16" to 3/4"); 24-piece automotive ignition set; 8-piece ignition wrench set; 18-piece hex key set; hacksaw frame with 24 extra blades; 17-piece screwdriver set; 13-piece drill set; 3/8" tempered steel cold chisel; 6" combination plier; shop knife and five blades; fine and medium armature paper for "turning" armatures. Rugged metal tool box with tote tray holds complete socket and tool set.  
26 C 2412 X. Shpg. wt. 30 lbs. \$5 Monthly ..... \$39.99

Buy the Tools You Want Now on Allied's Credit Fund Plan

ALLIED 249



# Husky Forged Alloy Steel Tool Sets

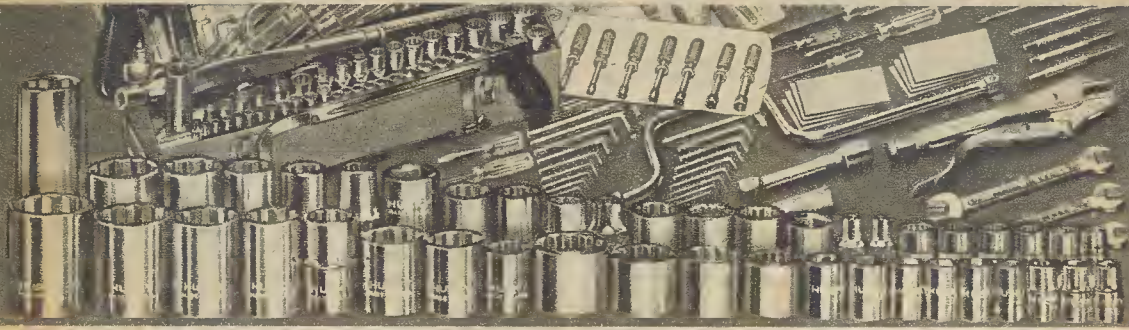


## Complete Quality-Made 223-Piece Deluxe Socket and Tool Set

223 Pieces  
**\$99<sup>95</sup>**  
 \$5 monthly

Unbeatable value for professionals and home owners. Includes 3 drive sets with thin-wall sockets plus many more necessary items. Husky tools have triple-plated mirror chrome finish.  $\frac{1}{2}$ " Drive Set: 10", 5" exten., ratchet, speeder, spark plug skt., ten 12-pt. skts. ( $\frac{1}{16}$ "-1"), three 6-pt. skts. ( $\frac{1}{16}$ "- $\frac{9}{16}$ "),  $\frac{3}{8}$ " Drive Set: seven 12-pt. skts. ( $\frac{3}{8}$ "- $\frac{3}{4}$ "), 8-pc.  $\frac{3}{8}$ " deep skt. set ( $\frac{3}{8}$ "- $\frac{13}{16}$ "), 1 $\frac{3}{4}$ ", 3" extensions, ratchet, univ. joint.  $\frac{1}{4}$ " Drive Set: Eight 6-pt. skts. ( $\frac{1}{32}$ "- $\frac{1}{16}$ "), three 8-pt. skts. ( $\frac{1}{4}$ "- $\frac{3}{8}$ "), flex handle, ratchet, 2", 6" extensions. Also included: 8-pc. metric skt. set (7 mm-14 mm);

8-pc.  $\frac{1}{2}$ " drive hex skt. set ( $\frac{1}{16}$ "- $\frac{7}{8}$ "); 5-pc. box end wrench set; 5-pc. open-end wrench set; 5-pc. comb. set; 24-pc. ignition wrench set; 8-pc. comb. ignition wrench set; hacksaw frame w/24 blades; 18-pc. hex key set; 10-pc. screwdriver set; 7-pc. nut runner set. Also, 6 fine and 6 extra-fine abrasive sheets; 5-pc. punch and chisel set; utility knife w/5 blades; grip wrench; 6" combination pliers; 20-pc. tap and die set; 6" adjustable open-end wrench; rugged 2-drawer steel tool chest with lid. Shpg. wt., 65 lbs.  
 26 C 2771 Z. \$5 Monthly..... 99.95



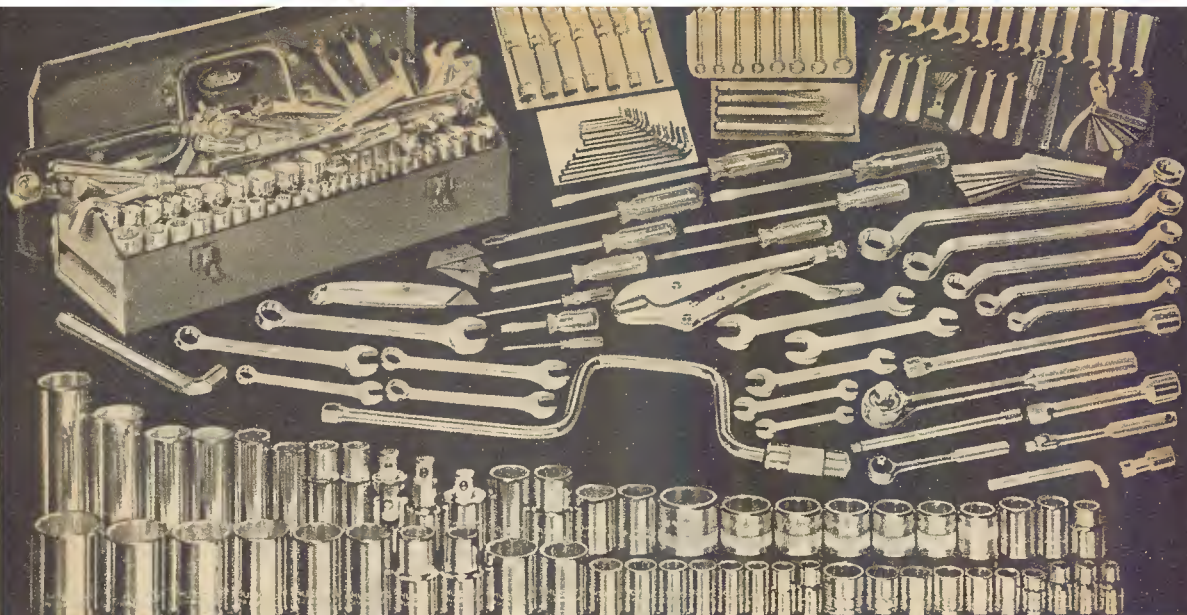
## 170-Piece Tool Set Featuring Thin-Wall Sockets and Mirror-Chrome Finish

Complete Set  
**\$49<sup>95</sup>** \$5  
 monthly

Outstanding value!  $\frac{1}{2}$ " Drive Set: 10", 5" ext., ratchet, speeder, 1 $\frac{3}{16}$ " spark plug skt., ten 12-pt. skts ( $\frac{1}{16}$ "-1"),  $\frac{3}{8}$ " Drive Set: seven 12-pt. skts. ( $\frac{3}{8}$ "- $\frac{3}{4}$ "),  $\frac{1}{2}$ "- $\frac{3}{8}$ " adapters.  $\frac{1}{4}$ " Drive Set: 6" ext., ratchet, 6" flex handle, eight 6-pt. skts. ( $\frac{3}{16}$ "- $\frac{7}{16}$ "), three 8-pt. skts. ( $\frac{1}{4}$ "- $\frac{3}{8}$ "). Also: 5-pc. open-end wrench set; 12 fine

abrasive sheets; 8-pc. metric set; 5-pc. punch/chisel set; 10-pc. screwdriver set; 18-pc. hex key set; hacksaw, 24 blades; 8-pc., 24-pc. ignition sets; grip wrench; 7-pc. nut runner set; 8-pc.  $\frac{1}{2}$ " driver hex set; steel tool chest. Shpg. wt., 17 lbs.  
 26 C 1361 X. \$5 Monthly..... 49.95



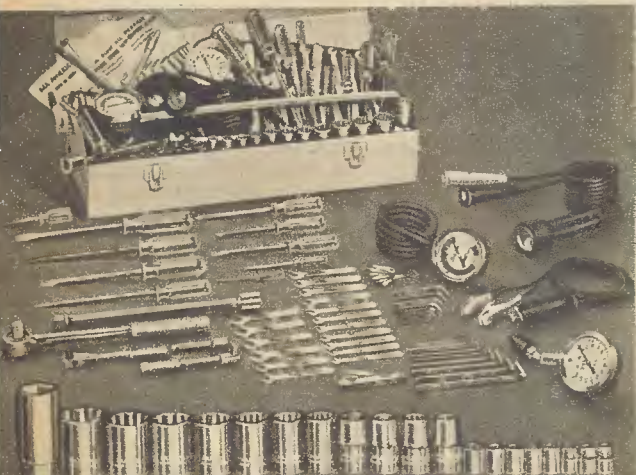


### 196-Piece Forged Alloy Steel Tool Set for Professionals and Homeowners

Versatile Husky tools include: 1/2" drive—ten 12-pt. skts. (1/16"-1"), extra-deep spark plug skt., ratchet, speeder, 5" and 10" extensions; 3/8" drive—seven 12-pt. skts. (3/8"-3/4"), 8-pt. deep skt. set (3/8"-1 3/16"), 1/2"-3/8" reducing adapter, 1 3/4" drive exten., universal joint; 1/4" drive—eight 6-pt. skts. (1/32"-7/16"), three 8-pt. skts. (1/4"-3/8"), flex hdl., 6" exten., ratchet. Also: 8-pc. hex skt. set (1/16"-1/8"); 8-

pc. metric skt. set; 5-pc. comb. wrench set; 5-pc. open end and 5-pc. box-end wrench set; 24-pc. ignition set; 8-pc. ignition wrench set; hacksaw frame, 24 blades; 18-pc. hex key set; 10-pc. screwdriver set; 7-pc. nut runner set; 6 fine, 6 extra-fine abrasives; 5-pc. punch, chisel set; knife w/5 blades; grip wrench; tool box, tray. Shpg. wt., 54 lbs.  
26 C 2781 Z. \$5 Monthly..... 69.95

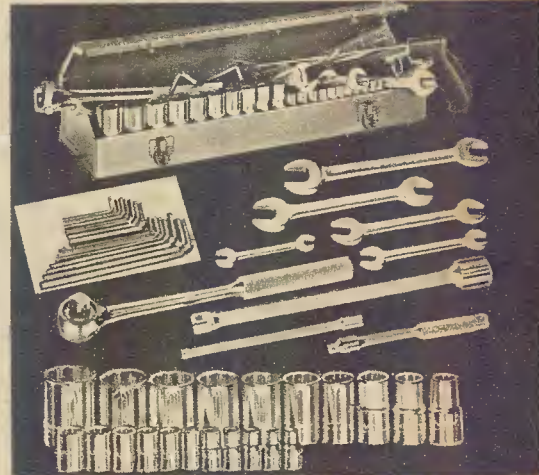
**\$69<sup>95</sup>**  
\$5 monthly



### 82-Piece 1/4" and 1/2" Auto Socket and Maintenance Tool Set

**\$39<sup>95</sup>** \$5 monthly

For professional and do-it-yourself mechanics. Includes timing light, compression and fuel pump testers, remote starter switch for perfect spacing of distributor breaker points, and many more tools for car tuneups and maintenance. The 1/2"-socket set: 1/2" drive reversible ratchet; 5" socket extension; 1 3/16" spark plug socket; three 6-pt. sockets, 7/16" to 9/16"; eight 12-pt. sockets, 1/16" to 1". Other tools: ratchet and socket set, 10-pc. screwdriver set, 18-pc. hex key set, compression tester, fuel pump tester, timing light, remote starter switch, 20-pc. ignition set, metal tool box.  
26 C 1396 X. Shpg. wt., 12 lbs. \$5 Monthly..... 39.95



### 62-Piece Mechanics Set —A Great Tool Value

**\$29<sup>95</sup>** \$5 monthly

Low-cost set includes most needed tools. Has 1/4" square drive set with eight 6-pt., 3/16" to 1/16" sockets, three 8-pt., 1/4" to 3/8" sockets, 6" extension, 6" flex handle. 1/2" square drive set has ten 12-pt. sockets from 1/16" to 1". 1/2" drive ratchet and 1/2" drive 10" extension. Also includes: 18-pc. hex key set, hacksaw with 12 blades, 5-pc. open end wrench set 3/16" to 3/4", and sturdily-constructed, durable metal tool box. Shpg. wt., 20 lbs.  
26 C 2784 X. \$5 Monthly..... 29.95

Select the Tools You Need From Allied—Use Your Credit Fund Plan

ALLIED 251

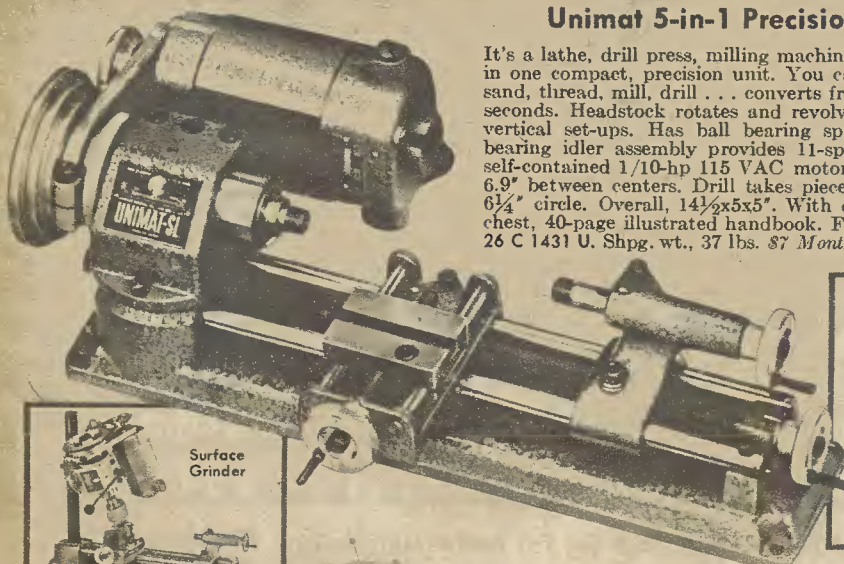


# Precision Wood and Metal Power Lathes

## Unimat 5-in-1 Precision Hobbyist Lathe

It's a lathe, drill press, milling machine, polisher and grinder . . . all in one compact, precision unit. You can turn, face, grind, buff, saw, sand, thread, mill, drill . . . converts from one operation to another in seconds. Headstock rotates and revolves 360°, removes from bed for vertical set-ups. Has ball bearing spindle accurate to .0005". Ball bearing idler assembly provides 11-speed drive system, powered by self-contained 1/10-hp 115 VAC motor. Lathe handles 3"-dia. pieces, 6.9" between centers. Drill takes pieces 6 1/4" high, drills to center of 6 1/4" circle. Overall, 14 1/2"x5x5". With drill chuck, roughing bit, wood chest, 40-page illustrated handbook. From Austria.

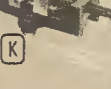
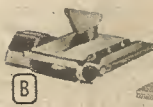
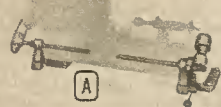
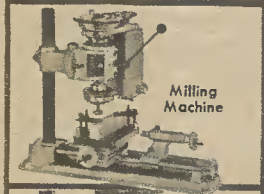
26 C 1431 U. Shpg. wt., 37 lbs. \$7 Monthly. . . . . 139.50



**Unimat Multi-Purpose  
3-inch Lathe**

**\$139<sup>50</sup>** \$7 monthly

With Motor, Drill Chuck  
Tool Bit, Wood Chest



### Popular Unimat Accessories

A 1290 Power Carriage Feed. For fine finishing. Wt., 6 lbs.  
26 C 2443. \$5 Monthly. . . . . 19.95

B 1240 Circular Saw Attachment. 6x8" table; rip fence; blade guard; arbor. Takes blade to 3 1/2".  
26 C 2448. Wt., 4 lbs. . . . . 14.95

C 1080 Jig Saw. 6x8" table; with 12 asstd. blades. Wt., 6 lbs.  
26 C 2445. \$5 Monthly. . . . . 19.90

D 1100 Six 1/4" Lothe Tools. For turning, facing, bore, cut-off.  
26 C 1692. Wt., 8 oz. . . . . 10.90

E 1040 Steady Rest. Supports 1 1/2" bars and tubing for machining, end drilling. Shpg. wt., 1 lb.  
26 C 2444. . . . . 9.95

F 1260 Index Head. Divides, spaces for making gears, etc.  
26 C 2446. Wt., 1 lb. . . . . 14.95

G 1002 4-Jaw Independent Lothe Chuck. For pcs. to 2 1/4". 1 lb.  
26 C 1690. \$5 Monthly. . . . . 23.90  
1001 3-Jaw Universal Chuck. 2 1/4".  
26 C 2442. Wt., 1 lb. . . . . 24.95

H 1261 Work Plate Holds work in lathe. 2 3/4". With clamps.  
26 C 2447. Wt., 1 lb. . . . . 6.50

I 1210 Milling Table. 3x5". Clamps work for milling.  
26 C 1689. Wt., 2 lbs. . . . . 12.50

J 1010 Machine Vise. Fits cross slide, mill table. Cap. 1 1/8".  
26 C 1679. Wt., 13 oz. . . . . 9.50



**\$18<sup>95</sup>**

**AMT Quality Wood Lathes Designed for the Hobbyist**

**Three-Foot Wood Lathe with 6" Swing**

Rugged wood lathe is all cast iron and steel, designed for excellent-quality wood-turning at low cost. Has 6" swing, for pieces up to 6" diameter. Adjustable T-rest assembly, lever-action tail stock. Maximum distance between centers, 23"; bed is 36" long. Headstock and tailstock spindles, each 1/2". Heavy-duty spur center, ball thrust cup center. Less motor.  
26 C 3273 X. Shpg. wt., 22 lbs. . . . . 18.95  
26 C 3299. Set of 3 Wood-Turning Chisels. 1 lb. . . . . 6.95



**\$29<sup>95</sup>**

**Four-Foot Wood Lathe with 12" Swing**

Industrial-quality, full-size lathe for big wood-turning jobs. Has swing of 12" for pieces to 12" dia. with 36" maximum between centers. Graduated T-rest assembly, screw-action tailstock ram. Headstock spindle, 3/4"; tailstock spindle, 5/8". Heavy duty spur center, ball thrust cup center. 49" bed. Less motor.  
26 C 3268 X. Wt., 27 lbs. \$5 Monthly. . . . . 29.95  
G.E. Motor. 1 hp. 1750 rpm. For AMT lathes. 115 VAC.  
26 C 3274 X. Shpg. wt., 17 lbs. \$5 Monthly. . . . . 22.95



# Dremel Super-Powered Moto Tools

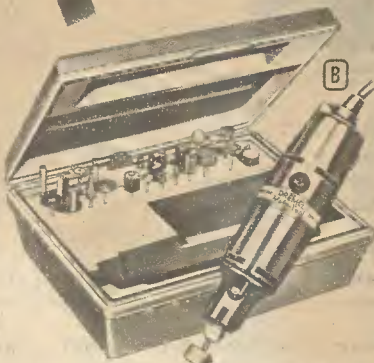
**A** Model 271 Moto-Tool Kit. Improved Moto-Tool has more than twice the power of previous models, weighs only 11 oz. Permanent-magnet 0.8-amp motor with unique full-wave rectifier operates at 30,000 rpm, no-load. Vibration-free, with high velocity cooling fan. Self-lubricating bronze bearings, pencil grip extension for detail work, 7 1/4" long. Kit includes 34 accessories: high speed steel cutters, grinding wheels, rubber polishing tip, brushes, sanding discs, drum sander, mandrels, dressing stone, wrench, 4 collets (1/8", 3/16", 1/4", 5/16"), case, 115 V, 60 Hz AC U.L. Listed.  
 26 C 2128. 3 lbs. \$5 Monthly. . . . . 32.95  
 26 C 2127. 270 Tool Alone. 2 lbs. . . . . 26.95

**B** Model 261 Moto-Tool Kit. Super-compact Moto-Tool fits perfectly in the palm of your hand, handles as easily as a pencil. Performs intricate work with pinpoint accuracy. Has power to spare for demanding work loads. The 0.5-amp motor delivers 30,000 rpm, with torque drop-off so gradual it's almost stall-proof. Dynamically balanced for vibration-free operation. Large vents, high velocity fan. Kit includes 34 accessories, same as above. 115 VAC. U.L. Listed.  
 26 C 3195. 3 lbs. \$5 Monthly. . . . . 27.95  
 26 C 3249. 260 Tool Alone. 2 lbs. . . . . 21.95

**C** Model 281 Heavy Duty Moto-Tool Kit. Same as Model 271 Kit above, but with a super-power Moto-Tool that features extra-rugged ball bearing construction. For its size, this is the fastest, most powerful and rugged hand grinder you can buy. Has permanent-magnet 0.9-amp motor with full-wave rectifier—runs at 30,000 rpm, no-load. Weighs only 11 oz. for easy handling. Kit includes 34 accessories, same as Model 271 above. U.L. Listed. For 115 V, 60 Hz AC. 3 lbs.  
 26 C 3260. \$5 Monthly. . . . . 44.95  
 26 C 3261. 280 Tool Alone. 2 lbs. . . . . 38.95



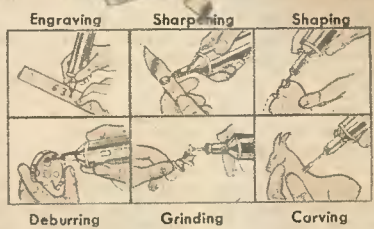
**A**  
**\$32.95**  
 \$5 monthly



**B**  
**\$27.95**  
 \$5 monthly



**C**  
**\$44.95**  
 Ball Bearing \$5 monthly



## Moto-Tool Accessories for Added Versatility

- D** No. 428 Wire Brush. Wt., 1 oz. 26 C 2929. . . . . 50¢
- E** No. 442 Wire Brush. Wt., 1 oz. 26 C 2930. . . . . 50¢
- F** No. 443 Wire Brush. Wt., 1 oz. 26 C 2931. . . . . 50¢
- G** No. 407 Drum Sander. 1/2" dia. 26 C 2932. Wt., 1 oz. . . . . 1.00  
 26 C 2933. No. 430. 3/8" dia. . . . . 1.00
- H** Drum Sander Bands. Pkg. 12  
 26 C 2934. 432. 1/2" fine. 4 oz. . . . . 50¢  
 26 C 2935. 408. 1/2" coarse. 4 oz. . . . . 50¢  
 26 C 2936. 431. 3/8" coarse. 4 oz. . . . . 50¢  
 26 C 2938. 433. 3/8" fine. 4 oz. . . . . 50¢
- J** No. 406 Steel Saw. .005" thick. 26 C 3002. Wt., 1 oz. . . . . 1.00  
 26 C 3003. 400. .023" thick. . . . . 1.00
- K** No. 101 1/8" Routing Cutter. 26 C 3004. Wt., 1 oz. . . . . 1.25
- L** No. 103 1/16" Routing Cutter. 26 C 3005. Wt., 1 oz. . . . . 1.25
- M** No. 104 1/32" Routing Cutter. 26 C 3010. Wt., 1 oz. . . . . 1.25
- P** No. 409 Emery Cutting Wheels. 26 C 3011. 1 oz. . . . . Pkg. 36/15.00

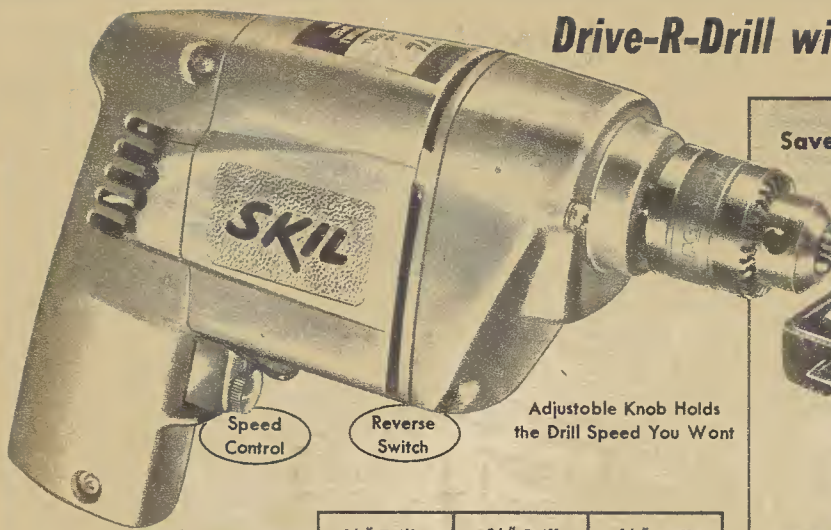
- R** No. 410 Sanding Discs. Wt., 1 oz. 26 C 3020. . . . . Box of 525/2.25
- S** No. 223 Universal Stand. Leaves both hands free, can be set at any angle. Cast-iron base will not tip. 26 C 2480. Wt., 2 1/2 lbs. . . . . 6.95
- T** No. 225 Drill Press. Table can be raised or lowered, locks in position. Steel. 12" high. Wt., 3 lbs. 26 C 2491. . . . . 12.95
- W** No. 224 Shoping Table. Use with 223 Stand for routing, grinding, raising, lowers to adjust cut depth. 26 C 2485. Wt., 8 oz. . . . . 3.95
- X** Emery Wheel Grinding Stones. 12 oz. 26 C 3102. . . . . Pkg. of 33/16.50
- No. 202 20-Piece Accessory Set. (Not illus.) Drum sander, saw, 4 brushes, 6 wheel points, 2 mandrels, sanding disc, polisher, 4 high speed steel cutters. 26 C 3136. Wt., 1 lb. . . . . 14.00
- Y** No. 240 24-Pc. Cutter Set. 26 C 3138. Wt., 2 lbs. . . . . 30.00
- Z** No. 220 12-Pc. Cutter Set. 26 C 3137. Wt., 1 lb. . . . . 15.00



**ALLIED 253**



# Drive-R-Drill with Variable Speed



Save \$7.45 . . . Drive-R-Drill with 18-pc. Accessory Kit and Case



Speed Control

Reverse Switch

Adjustable Knob Holds the Drill Speed You Want

## SKIL

<p>1/4" Drill with Kit and Case</p> <p><b>\$37<sup>88</sup></b></p> <p>\$5 monthly</p>	<p>3/8" Drill with Kit and Case</p> <p><b>\$44<sup>88</sup></b></p> <p>\$5 monthly</p>	<p>1/2" Drill with Kit and Case</p> <p><b>\$47<sup>88</sup></b></p> <p>\$5 monthly</p>
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Drills Tile



Re-threads



Assembles



Polishes Car



Sands Wood



Drives Screws

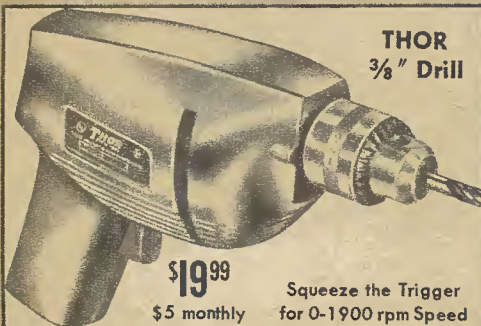
### Reversible Drive-R-Drill with Adjustable Trigger Speed Control

Remarkable Drive-R-Drill with Trigger Speed Control and special accessory kit. Operates in forward or reverse at any speed up to 2000 rpm. It's a power drill, a power wrench, an electric screwdriver, a sander, and a buffer. You can drill and thread holes in metal, or drill in any other material—even glass; tighten or remove nuts and bolts; drive or remove screws; polish, sand, grind, and do hundreds of other jobs. So lightweight and compact—handling it is a breeze. Just squeeze the trigger to select speed—the harder you squeeze, the higher the speed. 1/4" has 2.5-amp motor; 3/8" and 1/2" have 3-amp motor. Speed ranges: 1/4"

—0-2000 rpm; 3/8"—0-1000 rpm; 1/2"—0-750 rpm. 6' 3-wire cord, plug. Less bit. Drill kits include screwdrivers, nutdrivers, drill bits, carrying case. U.L. Listed. 115 V, 50-60 Hz AC.

- 26 C 1206 X. 1/4" Drill Kit. 6 lbs. . . . . 37.88
- 26 C 1210 X. 3/8" Drill Kit. 6 1/2 lbs. . . . . 44.88
- 26 C 1216 X. 1/2" Drill Kit. 6 1/2 lbs. . . . . 47.88
- 26 C 1192. 1/4" Drill Alone. 4 lbs. . . . . 31.88
- 26 C 1194. 3/8" Drill Alone. 4 1/2 lbs. . . . . 38.88
- 26 C 1201. 1/2" Drill Alone. 4 1/2 lbs. . . . . 41.88
- 26 C 3115. Drill Case Alone. 1 lb. . . . . 4.95
- 26 C 3116. Accessory Kit Alone. 1 lb. . . . . 8.50

### Variable-Speed Power Drills for Every Need



**THOR**  
3/8" Drill

**\$19<sup>99</sup>**

\$5 monthly

Squeeze the Trigger for 0-1900 rpm Speed

Model 912-VSC. Fingertip continuous speed control from 0-1900 rpm. Drills any material, threads holes in metal, drives screws. Powerful 3-amp Therm-O-Weld motor resists burnout. Precision ball-bearing construction. Drills 3/8" in steel, 3/4" in hardwood. 8 1/2" long. With 6-ft. 3-wire cord and plug. Less bit. U.L. Listed. For 115 V, 25-60 Hz AC. Shpg. wt., 4 3/4 lbs.  
26 C 3164. \$5 Monthly. . . . . 19.99



3/8" Drill

**\$36<sup>99</sup>**

\$5 monthly

### BLACK & DECKER Double-Insulated Variable-Speed Reversing Drills

Just squeeze trigger control for any speed from 0 to full; flick switch to reverse direction. Rugged drills are double-insulated with nylon housing for maximum safety. Both models have 2-wire cord. Long-life needle bearings. Less bit. 115 VAC.

**A** U-207-2 1/4" Drill. Capacity: 1/2" steel, 1/2" hardwood. 3.5-amp, 1/4-hp motor; 0-2250 rpm. 26 C 1190. Wt., 4 lbs. \$5 Monthly. . . . . 32.99

**B** U-222-2 3/8" Drill. Capacity: 3/8" steel, 3/4" hardwood. 3.5-amp, 1/4-hp motor; 0-1000 rpm. 26 C 1191. Wt., 5 lbs. \$5 Monthly. . . . . 36.99



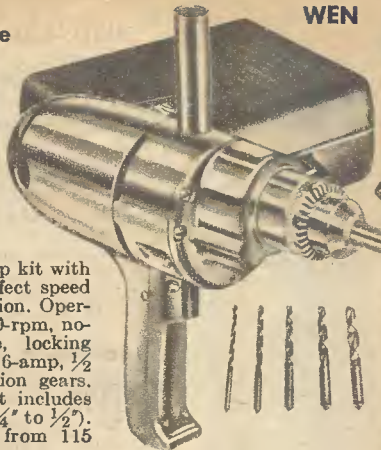
# Big Values in Quality Power Drills

## Wen 4-Speed Reversible 1/2" Drill Outfit

**\$43<sup>33</sup>** \$5 monthly

- Split-Second Speed Change
- Burnout-Proof 1/2 hp Motor
- With Case and Drill Bits

Model 950. Complete workshop kit with reversible drill; gives the perfect speed for every job, in either direction. Operates at 630, 730, 2200 or 2400-rpm, no-load. Double-switch reverse, locking trigger switch. Burnout-proof 6-amp, 1/2 hp motor has double reduction gears. 11" long. 6' 3-wire cord. Kit includes carrying case and five bits (1/4" to 1/2"). U.L. Listed. For operation from 115 VAC. Shpg. wt., 12 lbs.  
26 C 1233 X. Drill Kit. \$5 Monthly. .43.33  
26 C 2822 X. Drill Alone. 9 lbs. . . . .38.88



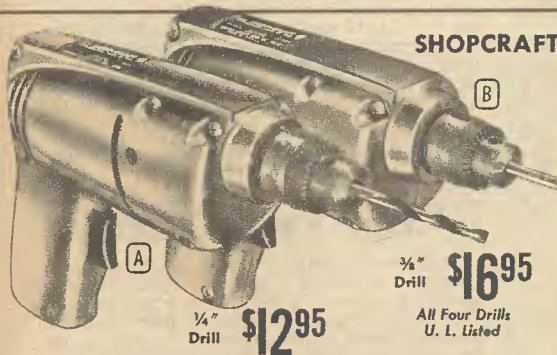
Drill Kit Includes Five High-Speed Drill Bits



**\$37<sup>50</sup>**  
\$5 monthly

## "Electronic" 1/4" Drill Fits In Your Palm

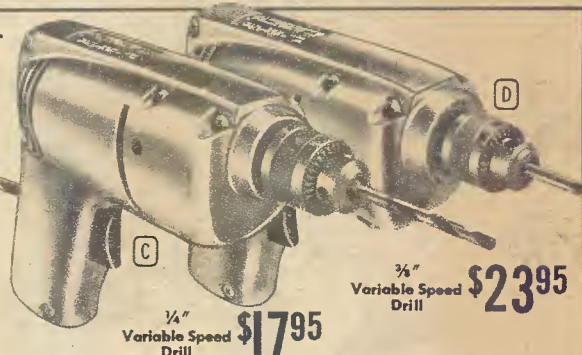
Model E110. Miniature drill weighs only 27 oz.—fits right in the palm of your hand. Built-in solid-state rectifier powers 1.5-amp DC motor for full-range torque. Drills 1/4" diameter in steel, 1/2" in wood. Burnout-resistant motor. Speed, 1200 rpm at no load, 1100 rpm at full load. Features double reduction gears. Complete with geared key chuck and key; 8-ft. 3-wire cord and plug. Aluminum housing, 6 1/4" long. Less bit. U.L. Listed. For 110-120 volts, 60 Hz AC. Shpg. wt., 5 lbs.  
26 C 1844. \$5 Monthly. . . . .37.50



**\$12<sup>95</sup>**  
1/4" Drill

**\$16<sup>95</sup>**  
3/8" Drill

All Four Drills U. L. Listed



**\$17<sup>95</sup>**  
1/4" Variable Speed Drill

**\$23<sup>95</sup>**  
3/8" Variable Speed Drill

### Shopcraft Budget-Priced Homeowner Drills

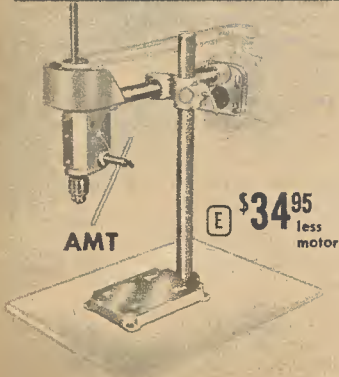
- A** Model 9740 1/4" Drill. Basic drill for the home workshop, with 1/4" capacity in steel, 1/2" in hardwood. Fan-cooled 2-amp motor operates at 2000 rpm; double-reduction gears; balanced armature. Less bit. 115 VAC.  
26 C 1228. Shpg. wt., 4 lbs. . . . .12.95
- B** Model 9748 3/8" Drill. High-torque model for the tough jobs. Drills 3/8" steel, 3/4" hardwood. 1000 rpm, 2-amp motor has double-reduction gears, oil-impregnated bearings. Auxiliary handle. Less bit. 115 VAC.  
26 C 1231. Shpg. wt., 4 lbs. . . . .16.95

### Shopcraft Variable Speed Drills

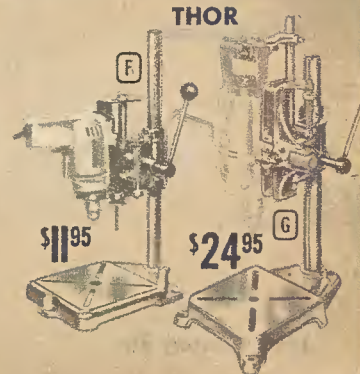
- C** Model 9746 1/4" Drill. Sensitive trigger control lets you adjust speed to suit every job, from 0 to 2000 rpm. Fan-cooled 2-amp motor has double-reduction gears, dynamically balanced armature. Less bit. 115 VAC.  
26 C 1230. Shpg. wt., 4 lbs. . . . .17.95
- D** Model 9756 3/8" Drill. Heavy-duty, compact drill provides fingertip control of 0-1000 rpm speed. 2-amp motor, double-reduction gears, oil-impregnated bronze-type bearings, auxiliary handle. Less bit. 115 VAC.  
26 C 1232. Shpg. wt., 4 lbs. \$5 Monthly. . . . .23.95

### Radial Drill Press and Drill Stands

- E** AMT Model 253 32" Drill Press. Drills to center of 32" circle. Headstock adjusts to 15" vert., 16" horiz., tilts for angular drilling. Has depth indicator, spindle lock. Capacity, 1/2". Requires motor below. Shpg. wt., 32 lbs.  
26 C 1219 X. \$5 Monthly. . . . .34.95  
26 C 3274 X. Motor for Above. 17 lbs. . . . .22.95
- F** Thor 580 Drill Stand. Converts electric drill to lever-operated drill press. Holds 1/4" and 3/8" drills. 18" high, 3" max. feed, 3" chuck to column. Rack and pinion feed.  
26 C 1226 X. Shpg. wt., 7 lbs. . . . .11.95
- G** Thor 585 Drill Stand. Heavy-duty model for 1/2" and 3/8" drills. Height, 20 1/2"; max. feed, 2 3/4"; 6" chuck to column; 7 1/2" sq. base.  
26 C 1227 X. Wt., 15 lbs. \$5 Monthly. . . . .24.95



**\$34<sup>95</sup>**  
less motor



**\$11<sup>95</sup>**

**\$24<sup>95</sup>**

You Can Depend on Allied for the Best in Power Drills

ALLIED 255



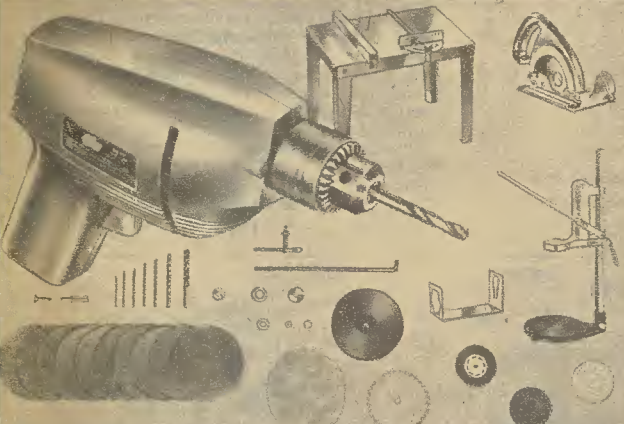
# 3/8" Drill Outfits for Home and Shop



## Black & Decker 14-Piece Outfit

**\$19<sup>99</sup>** • Full-Capacity 3/8" Electric Drill  
 • Drills 3/8" Steel, 3/4" Hardwood  
 \$5 monthly • Gray Custom-Molded Carrying Case

Features Black & Decker Model U-124 3/8" drill with rugged double-reduction gears. 1000-rpm (no load). 1/7-hp motor rated 2 amps. 8 1/2" long. Kit includes: wheel arbor, 3" coarse wire brush, three 5" abrasive discs, 3 bits (1/8", 3/16" and 1/4"), chuck key and holder, 3" cotton buffing wheel, 5" rubber backing pad, luggage-look case. U.L. Listed. For 115 VAC.  
 26 C 1278. Wt., 3 3/4 lbs. \$5 Monthly..... 19.99



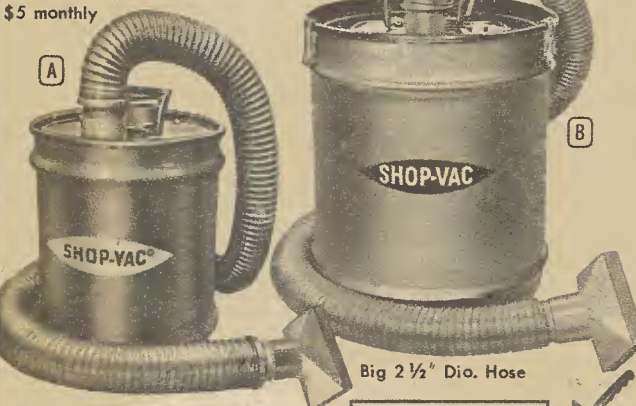
## Thor 44-Pc. Variable-Speed Outfit

**\$39<sup>95</sup>** • Complete Workshop in One Outfit  
 • 3-Amp "Therm-O-Weld" Motor  
 \$5 monthly • Precision Ball-Bearing Construction

Gives you the versatility of a complete power shop: drill press, circular saw, bench saw, and sander-buffer-grinder in one outfit. Includes: 3/8" Thor Model 912VSC drill with continuously variable speed from 0 to 1900 rpm; 7 drill bits (1/16 to 3/8"); 10 sanding discs; 5" rubber backing pad; 5" polishing bonnet; adapter hdwe.; 3" wire brush; horiz. mtg. stand; circular saw attachment; 4 1/2" saw blade; 3" grinding wheel; drill press stand; saw table; rip fence; miter; paint stirrer; chuck key. 6-ft. 3-wire cord, plug; 2-wire adapter. U.L. and C.S.A. Listed. For 117 VAC.  
 26 C 2319 X. Wt. 20 lbs. \$5 Monthly..... 39.95

5-Gallon  
**\$26<sup>95</sup>**  
 \$5 monthly

10-Gallon  
**\$29<sup>95</sup>**



## "Shop Vac" Vacuums

**A** 5-Gallon, 1-hp Model. Does the rough cleanup jobs that would ruin an ordinary vacuum cleaner. Hose has big 2 1/2" diameter, compared to 1 1/4" for most home vacuums. 6" nozzle picks up sawdust, chips, sticks, stones. Attaches to power tools for chip removal. Motor is located near top of drum—debris drops out of the air-flow pattern to bottom of the drum, prevents debris from impeding vacuum's air-flow and efficiency. Easily emptied by unclamping top. Carrying handle, 6-ft. hose, 1-hp motor. 2-wire cord. Drum finished in glossy gold enamel. 18" high, 12" dia. U.L. Listed. For 110-120 volts, 50-60 Hz AC. Shpg. wt., 15 1/2 lbs.  
 26 C 2515 X. \$5 Monthly..... 26.95

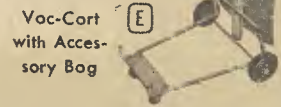
**B** 10-Gallon, 1-hp Model. As above, with drum 19" high, 15" dia. Shpg. wt., 20 lbs.  
 26 C 3101 X. \$5 Monthly..... 29.95

**C** 1 1/4" Accessory Kit. Includes 10" floor nozzle, round brush, 5" nozzle, crevice tool, 6' hose, two 20" extension tubes, oval nozzle and brush, conversion coupler for Shop-Vac.  
 26 C 1250 X. Wt., 4 lbs..... 19.50

**D** 2 1/2" Accessory Kit. Extra-long 14" floor nozzle with brush, two 23" extension handles, coupler for other cleaners.  
 26 C 3103 X. Wt., 3 lbs..... 9.95

**E** Vac-Carts. Roll vacuum to the job; no stooping or lifting. With accessory bag.  
 26 C 1257 X. For 5-Gal. 6 1/2 lbs..... 10.95  
 26 C 1258 X. For 10-Gal. 6 1/2 lbs..... 10.95

Set of 4 Costers for Above Cleaners.  
 26 C 3104 X. For 5-Gal. 1 3/4 lbs..... 3.39  
 26 C 3105 X. For 10-Gal. 1 3/4 lbs..... 3.39  
 26 C 3636 X. 6' Hose Extension. 1 1/2 lbs..... 6.95  
 26 C 3637. Crevice Tool. 8 oz..... 3.75  
 26 C 3638. Paper Filter Bags. 4 oz..... Pkg. 5/98¢



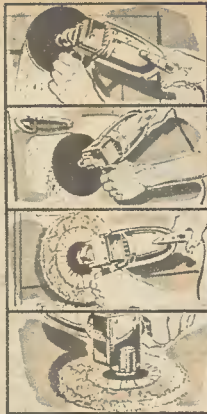


# Top-Value Electric Sanders

## Wen 2-Speed 7" Sander/Polisher

- Burnout-Proof 1/2-hp Dual-Speed Motor
- Lightweight, Perfectly Balanced Design
- Fast and Efficient Sanding, Polishing, Buffing

940. Oversize sanding discs do quick work on metal, wood or plastic, give professional results in automobile sanding, paint removal. Large wool bonnets for waxing and polishing floors, cars, furniture. Electronically switches to 3400 rpm for sanding, 1800 rpm for polishing and buffing. Burnout-proof armature, needle-point bearings, all-gear construction. Auxiliary handle mounts on either side. 1/2-hp, 6-amp motor. 14x6 1/2 x 3 1/2". U.L. and C.S.A. Listed. 6', 3-wire cord. Two sanding discs, polishing bonnet, steel case. 115 VAC. 26 C 0019 L2U. With Case. Wt., 12 lbs... 43.33  
26 C 2406. Sander Alone. 8 1/2 lbs..... 38.88



With Case  
**\$43.33**  
\$5 monthly

Tool Alone  
**\$38.88**  
\$5 monthly

**\$21.88**

\$5 monthly

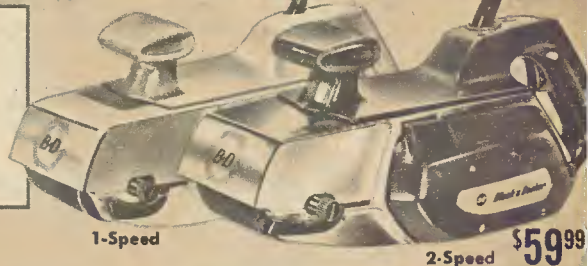


## Black & Decker Orbital Finishing Sander

Model U-140. Features over 25 sq. in. sanding area. Takes 3 5/8 x 9" sandpaper; easy paper changing. 1/6 hp, 2.2 amp motor operates at 4000 orbits per minute. Polished aluminum housing. U.L. Listed. For 115 VAC. Shpg. wt., 5 1/2 lbs. 26 C 3649. \$5 Monthly..... 21.88

Save  
**\$10.00**

Now  
**\$39.99**



## Black & Decker Heavy-Duty 3x24" Belt Sanders

Model U-144 Was \$49.99. Compact gear-driven sander goes into tight areas, gives smooth professional finish. Has 3/4 hp, 5.2 amp motor between pulleys—no tilting or rocking. Belt moves at 1200 sq. ft./minute for fast operation; 13.8 sq. ft. sanding area. Front controls for easy belt installation. For 115 VAC. Accepts dust bag at right. Shpg. wt., 10 3/4 lbs. 26 C 3645 X. \$5 Monthly..... 39.99

U-244 Two-Speed. Choose the right speed for every job—1250 sq. ft./minute for fast material removal, or 1050 sq. ft./minute for smoother finish. Has 3/4 hp, 5.7 amp motor. For 115 VAC. Wt., 10 3/4 lbs. 26 C 3646 X. \$5 Monthly..... 59.99

Zippered Dust Bag and Housing. For U-144 and U-244 sanders. Powered by sander motor. Wt., 2 lbs. 26 C 3647..... 6.95

Fast and Easy to Use

**\$10.95**



## Wen In-Line Vibrator Sander

Model 310. For fast removal, smooth finishing. Straight-line action of 7200 3/16" strokes per minute with 26 sq. in. sanding area. Solid-state control. Quiet and smooth—no whip or bounce. 7 1/2 x 3 5/8 x 4 3/4". For 110-120 V, 50-60 Hz AC. 26 C 3644. Wt., 4 lbs..... 10.95

## Wen 3" Belt Sander

910. Handles the toughest sanding jobs with ease. Continuous 3" belt moves at 850 sq. ft./minute; can be changed in seconds. Powerful 1/3-hp, 4 1/4 amp motor is industrially rated. Air blast keeps dust away. 5 3/4 x 10 1/2 x 5 1/2". Includes 3 sanding belts, steel case. For 110-120 VAC. 12 lbs. 26 C 0020 L2X..... 44.95  
26 C 3643. Sander Alone. Wt., 8 3/4 lbs..... 36.88

Includes  
**3 Belts**

With Case  
**\$44.95**

\$5 monthly

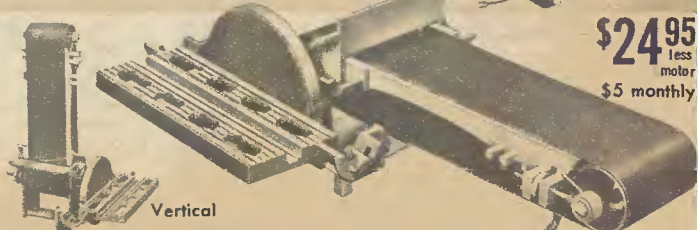
Tool Alone  
**\$36.88**

\$5 monthly



## AMT Belt and Disc Sander

271. Rugged belt sander operates horizontally or vertically; unique track/tension adjustment. Disc sander table tilts to 45°. Drive spindle for 1/4" tools. 115 VAC. Motor separately below. 17 lbs. 26 C 1282 X. \$5 Monthly..... 24.95  
26 C 3274 X. G.E. Matar. For above. Develops full 1 hp. 1750 rpm. 110-120 V, 60 Hz AC. Shpg. wt., 17 lbs..... 22.95



**\$24.95**  
less motor  
\$5 monthly

You Can Depend on Allied for Quality Tools at Low Prices

ALLIED 257



# Values in Circular Saws

WEN

## Builder's 7 1/4" Heavy-Duty Saws

Model 960. Extra-rugged saw takes on construction and repair jobs. Powerful 1 3/4 hp, 10-amp motor gives no-load speed of 5200 rpm. Depth of cut: to 2 1/2" at 90°, 1 7/8" at 45°. Lifetime-lubricated sleeve and needle bearings, heavy-duty precision gears, heavy-gauge baseplate, chip ejector port. Depth and bevel controls, rip guide, removable shoe extension. For 110-120 V, 50-60 Hz AC. 3-wire cord. With two 7 1/4" combination blades, wrench, steel case. U.L. Listed. Shpg. wt., 17 lbs. 26 C 0023 13X. With Case. \$5 Monthly.....46.99  
26 C 2394 X. Saw Alone, 1 Blade. 15 1/4 lbs....36.88

Model 1000. Contractor's model, powerful enough for the toughest jobs. Has 2 1/2 hp, 12-amp motor with 5340 rpm no-load speed. All ball and needle bearings, permanently lubricated. Extra-heavy chrome plated base plate, auxiliary knob. Depth and bevel controls, rip guide, removable shoe extension. 110-120 VAC. With two 7 1/4" combination blades, wrench, steel case. U.L. Shpg. wt., 17 lbs. 26 C 0022 13X. With Case. \$5 Monthly.....59.95  
26 C 1433 X. Saw Alone, 1 Blade. 15 1/2 lbs....49.95

1 3/4 or 2 1/2 hp Motor

### Model 960 1 3/4 hp

With Case, 2 Blades  
**\$46.99**  
\$5 monthly

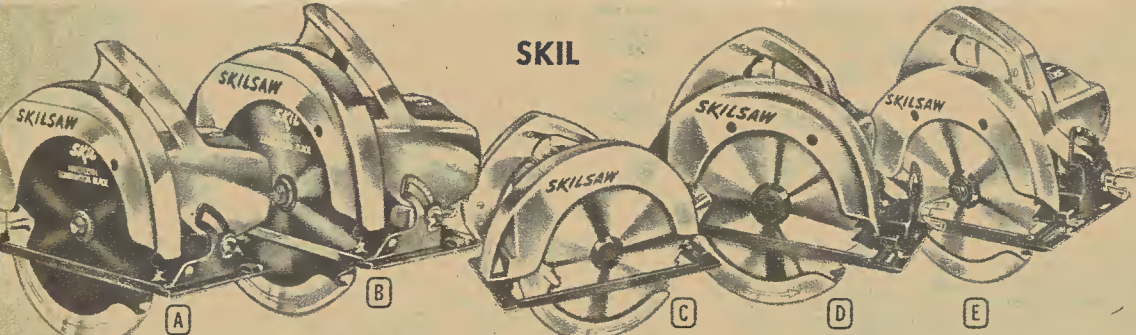
Saw Alone, 1 Blade  
**\$36.88**  
\$5 monthly

### Model 1000 2 1/2 hp

With Case, 2 Blades  
**\$59.95**  
\$5 monthly

Saw Alone, 1 Blade  
**\$49.95**  
\$5 monthly

SKIL



574—7 1/4" \$29.88      537—7 1/4" \$42.88      554—8 1/4" \$89.95      553—7 1/4" \$79.95      552—6 1/2" \$69.95

## Popular Homeowner's Skilsaws

**A** Model 574 Super-Value 1 1/2-HP 7 1/4" Sow. Cuts even soft metal. Powerful 1 1/2-hp burnout-protected motor (10 amps, 5200 rpm no-load speed). Cut depth, 2 3/8" at 90°; 1 7/8" at 45°. Safety-stop brushes, anti-friction bearings, Vari-Torque clutch, ejector. 9 1/2" long. For 115 VAC. 3-wire cord. U.L. Blade, wrench, 12 1/2 lbs. 26 C 3019 X. \$5 Monthly.....29.88

**B** Model 537 Heavy-Duty 7 1/4" Sow. Develops over 1 1/2 hp, 10 amps. Heavy-duty quadrant and ribbed shoe for rigidity, accuracy. Capacity: 1 1/2" to 2 3/8" at 90°; 1 7/8" at 45°. No-load, 5200 rpm. Safety clutch; depth, bevel controls; ejector. For 115 VAC. 3-wire cord. With blade and wrench. U.L. Listed. Shpg. wt., 16 1/4 lbs. 26 C 1208 X. \$5 Monthly.....42.88

## Ball-Bearing Heavy-Duty Professional Skilsaws

**C** Model 554 8 1/4" Sow. The most powerful saw in its class, for the really tough building and repair jobs. Burnout-protected motor develops over 2 hp, 13 amps. No-load, 5200 rpm. Extra-large blade cuts 2 7/8" at 90°, 2 3/8" at 45°. Vari-Torque clutch protects blade. Sawdust ejector. 115 VAC. 3-wire cord. Blade, wrench. 26 C 1440 X. Shpg. wt., 17 lbs. \$5 Monthly.....89.95

**D** Model 553 7 1/4" Saw. Dependable saw for everyday professional use. Over 2 hp, 12 amp motor; 5200 rpm no-load speed. Cuts 2 3/8" at 90°, 1 7/8" at 45°. Safety clutch; ejector. 115 VAC. Blade, wrench. 26 C 1442 X. Shpg. wt., 16 lbs. \$5 Monthly.....79.95

**E** Model 552 6 1/2" Saw. Powerful 10-amp motor develops over 1 1/2 hp. Cuts 2 3/8" at 90°, 2" at 45°. No-load, 5800 rpm. Lightweight for easy handling, control—only 11 1/4 lbs. 115 VAC. Blade, wrench. 26 C 1443 X. Shpg. wt., 14 lbs. \$5 Monthly.....69.95  
26 C 1444. Fine-Tooth 7 1/4" Saw Blade. Wt., 1 lb.....3.95  
26 C 1447. Plastic Sow Case. Wt., 2 lb.....12.95



## Black & Decker 7 1/4" Portable Saw Develops 1 Horsepower

With Blade

**\$27.77**

Save \$2.22

WAS \$29.99

Model U-130. Deluxe portable saw at a money-saving low price—was \$29.99 last year! Perfect for the homeowner; tackles a variety of home repair and construction jobs with ease. Features an extra-wide non-binding telescoping blade guard. Takes either a 6 1/2" or 7 1/4" blade (7 1/4" blade included). Sawdust ejector keeps work clear. Powerful 1 hp, 9-amp motor runs at 4400 rpm, no load—plenty of power for tough jobs. Cutting depth: 2 3/8" at 90°, 1 7/8" at 45°. Calibrated rip fence; bevel and depth adjustments. 3-wire cord. For 110-120 VAC. With 7 1/4" combination blade and wrench. U.L. Listed. Shpg. wt., 16 lbs. 26 C 3604 X. \$5 Monthly.....27.77

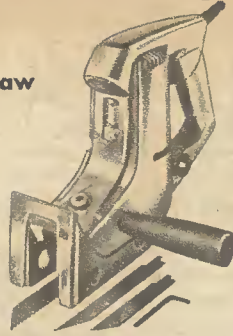


# Versatile Multi-Purpose Saws

## SHOPMATE Variable Speed Blitz Saw

**\$44<sup>95</sup>** \$5  
monthly

- Dial Control for 800 to 2100 rpm
- Six Blade Positions
- Fast 1 1/4" Stroke
- Built-In Lamp



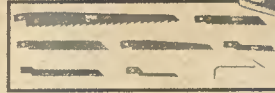
Model 1816. Gives true flush cutting to both horizontal and vertical surfaces. Just dial any speed from 800 to 2100 rpm, with six blade positions for every type of cut. Quick return cycle reciprocating action with 1 1/4" stroke. 6-amp motor. Lamp lights work area. Multi-ball and bronze bearings. U.L. Listed. 115 VAC. 26 C 1419 X. Wt., 11 lbs. \$5 Monthly.....44.95

## WEN

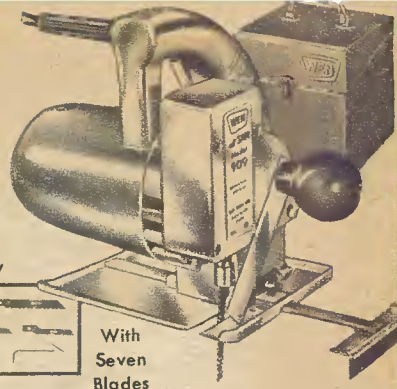
### 2-Speed 1/2-hp "All-Saw" Kit

Complete \$41<sup>88</sup> Less Case \$36<sup>88</sup>

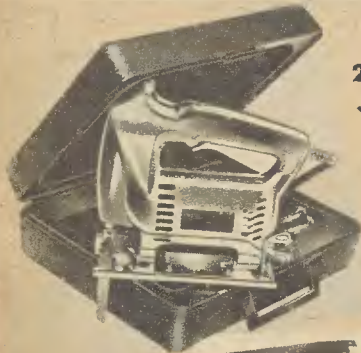
\$5 monthly \$5 monthly



With Seven Blades



Model 909D. Fast-cutting 1/2-hp saw does the work of all other types. Cuts wood 6x6's, metal to 1/2" pipe to 2". Makes its own starting hole—cuts straight, curved or angles. Powerful 6-amp motor gives 3400 or 2400 one-inch strokes/minute. Fan keeps guide clean. Includes rip fence, circle guide. With 7 blades for all types of cutting. U.L. Listed. For 115 VAC. 26 C 0024 L2X. With Steel Case. 10 lbs. \$5 Monthly.....41.88  
26 C 2373 X. Sow Alone. With 7 blades. 9 lbs.....36.88



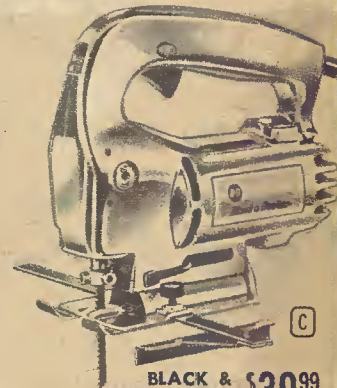
## WEN 2-Speed Jigsaw Outfit

**\$29<sup>97</sup>**

### Wen Versatile Jigsaw Outfits

**A** 511 2-Speed Jigsaw. Just flick the switch to Lo for starting, cutting metal; again to Hi for fast cutting in wood, plastic, etc. Cuts 6" logs, 6x6's, 4x4's at 45°; metals to 1/2"; pipe to 2". Starts its own inside cut. Large adjustable shoe for stability. 1/2 hp, 4-amp motor; 2400 or 2800 one-inch strokes/minute. U.L. 115 VAC. With 7 blades. 26 C 0021 L2X. With Case. 6 1/2 lbs. 29.97  
26 C 1420 X. Less Case. 5 lbs.....26.97

**B** 521 Variable Speed Jigsaw. Thumb control gives exact speed and torque needed for every job, from 0 to 2800 one-inch strokes/minute. Rugged 1/2 hp motor, adjustable shoe. Cuts 6x6, metal to 1/2", 2" pipe. U.L. 115 VAC. 7 blades. 26 C 1426 X. Wt., 5 lbs. \$5 Mo...25.97



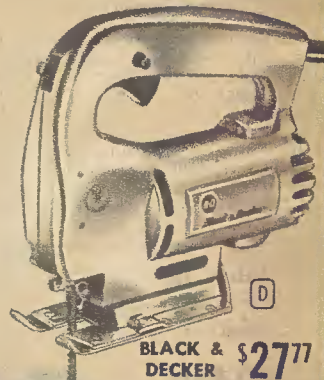
BLACK & DECKER \$39<sup>99</sup>

Outfit  
Includes  
Steel Case  
7 Blades

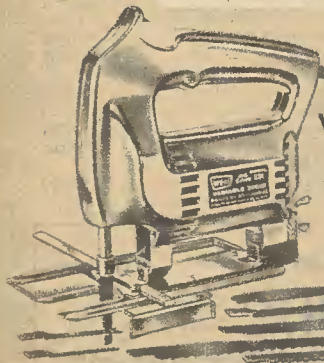
### Black & Decker Jigsaws

**C** U-256 Super Deluxe 3-Speed Jigsaw. Choose 3000 strokes/minute for wood, 2500 for soft metal, 2250 for plastic, hard metal. Cuts 1" hardwood, 2" softwood. 1/4-hp, 2.5-amp motor; 5/8" stroke. Bevel adjustment, shoe insert, rip fence, circle cutter. 115 VAC. With 4 blades. U.L. Shpg. wt., 5 3/4 lbs. 26 C 3157 X. \$5 Monthly.....39.99

**D** U-255 S Deluxe 2-Speed Jigsaw. Versatile saw operates at Hi speed of 3000 strokes/minute for wood, Low of 2500 for soft metal. Cuts 1" hardwood, 2" softwood. Rugged 1/4 hp, 2.5-amp motor. Stroke length, 5/8". Includes two woodcutting blades, blade pouch. 115 VAC. U.L. Shpg. wt., 5 3/4 lbs. 26 C 3606. \$5 Monthly.....27.77



BLACK & DECKER \$27<sup>77</sup>



## WEN Variable Speed Jigsaw

**\$25<sup>97</sup>**

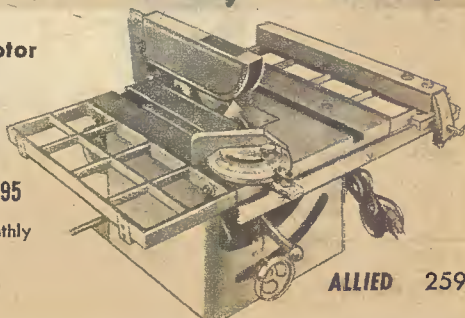
## AMT Precision 8" Tilt Arbor Saw with 1-hp Motor

Model 2164. Amazingly versatile—cross-cuts, rips, bevels, mitres; cuts compound angles; makes dadoes, mouldings, coves. Solid-ground 10 1/2x13" cast iron table has 2 precision mitre gauge slots. Cuts to 2 1/4" depth; blade tilts to 45°. Ball and sintered bronze bearings. Motor, blade, rip fence, blade guard. 10" extensions. 115 VAC. 26 C 1430 U. Wt., 38 lbs. \$5 Monthly...59.95



2 Mitre Slots

**\$59<sup>95</sup>**  
\$5 monthly



ALLIED 259

Allied Has the Most Up-to-Date Stock of Power Tools.



# Power Workshop and Paint Sprayer Outfits

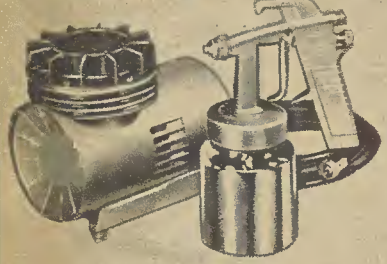
**\$39<sup>95</sup>** \$5 monthly



## Dremel Moto-Shop Power Workshop

- 5 Multi-Purpose Power Tools in One Machine
- Powerful Ball-Bearing 3450-rpm Rotary Motor
- Power Takeoff • With All Attachments

**Model 57.** Versatile Moto-Shop operates five different tools with unique power takeoff. With attachments connected, 15" jigsaw becomes disc sander, bench grinder, buffing wheel or flexible shaft machine. Powered by ball-bearing 3450-rpm rotary motor. Jigsaw has 4 blades, each adapts in 3 directions. Table tilts for angle cuts. Lightweight flexible-shaft handpiece has 1/4" to 1/8" capacity. With finger guard, 12 bits for drilling, grinding, routing, sharpening, deburring, carving. Attachments: rubber backing pad, 3 sanding discs, grinder, buffer, wire brush, wheel guard, polishing stick. U.L. Listed. For 110-120 V, 60 Hz AC. 26 C 1834 X. Shpg. wt., 17 lbs. \$5 Monthly..... 39.95

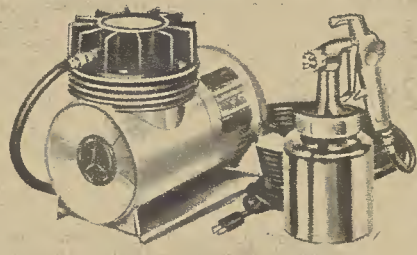


### "Compact" Spray Outfit

**\$34<sup>95</sup>** \$5 monthly

- Fan-Nozzled Sproy Gun
- Gives Perfect Results

Internal mix gun sprays enamel, flat, oil and water-base paint, varnish, household liquids. Pint cup, adjustable trigger, 8' detachable hose. Oil-free compressor has heat-resisting diaphragm, replaceable air filter. Quiet; never needs oiling. Direct-drive motor. Air delivery 1.1 cfm. U.L. Listed. 115 V, 60 Hz AC. 17 lbs. 26 C 2363 X. \$5 Monthly..... 34.95

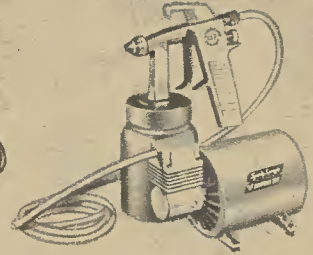


### Deluxe 1/3-hp Sprayer Outfit

**\$59<sup>95</sup>** \$5 monthly

- Internal or External Mix
- Oil-Less Compressor

Sprays all paints, lacquers, enamels, household liquids. 1-quart cup, internal and external-mix nozzles. Oil-less compressor has 1000-hour diaphragm, sealed ball bearings, removable air filter, safety valve. Siphon or pressure feed. Air delivery, 2 1/2 cfm. Lifetime-lubricated; 15' hose. U.L. Listed. 115 V, 60 Hz AC. 30 lbs. 26 C 3100 X. \$5 Monthly..... 59.95



### "Bantam 205" Spray Outfit

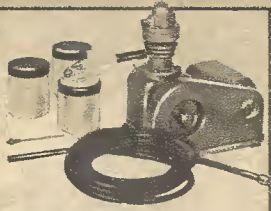
**\$24<sup>95</sup>** \$5 monthly

- Economy Sproyer for All Household Uses

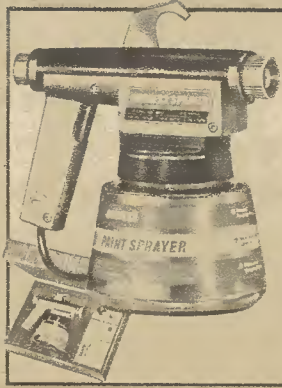
Compact household sprayer can be used for insecticides, carpet cleaning, mothproofing, as well as painting. Lightweight, easy-to-use. Reliable oil-less piston operation with portable compressor only 7" long. Internal mix gun holds 16 oz. of all lightweight spray materials. For 115 V, 60 Hz AC. Shpg. wt., 12 lbs. 26 C 3640 X. \$5 Monthly..... 24.95

### Hobbyist Air Brush Sprayer

**\$24<sup>95</sup>** \$5 monthly



Perfect tool for shading, silhouetting, stencils, touch-up. Ideal for hobby and model use, ceramics, sign painting. Includes compressor with air hose, shading brush with 2 nozzles, paint storage jars. For 110-120 VAC. Shpg. wt., 8 1/4 lbs. 26 C 3639 X. \$5 Monthly..... 24.95



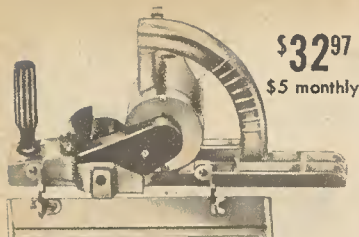
### BVI Electric Paint Sprayer

**\$17<sup>95</sup>** Complete Spray Kit

Model VS-868. Airless sprayer gives easy, professional results. Just plug in to spray paint, enamel, varnish, lacquer, insecticides, chemicals. Built-in pump and motor, sapphire nozzle, 24-oz. glass jar. Cleans and lubricates itself. 6' cord. Kit includes fan-spray nozzle, viscosity cup for thinning paint. For 115 VAC. 26 C 1009. Wt., 6 lbs..... 17.95  
26 C 1018. Airless Point Sproyer Alone. Shpg. wt., 4 1/2 lbs..... 13.95



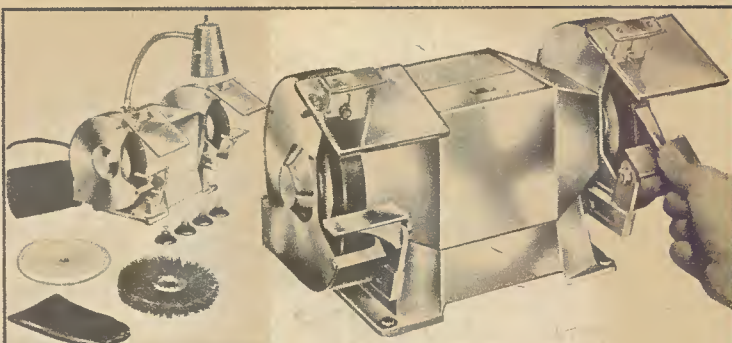
# Electric Power Tools for Home or Shop



**\$3297**  
\$5 monthly

## Wen Heavy-Duty Power Planer

Model 930. For professional, precision edges, surfaces and miters. Burnout-proof, 6-amp motor delivers 1/2 hp. Two replaceable cutters are separately adjustable; cut path to 2 1/8" wide, 1/16" deep. Miter guide adjusts to 45°; removes for surface planing. 16" shoe for flatter, more accurate work. No-load, 14,500 rpm. Airstream chip ejector for neater job. Size, 7 1/2 x 7 x 16". U.L. and C.S.A. Listed. For 110-120 VAC. Shpg. wt., 9 3/4 lbs.  
26 C 2091 X. \$5 Monthly..... 32.97



**\$4495**  
\$5 monthly  
Grinder With  
All Accessories

**\$3995**  
\$5 monthly  
Grinder  
Alone

## Wen 6-inch Ball-Bearing Electric Bench Grinder Outfit

Model 1030. Heavy-duty bench grinder has power to spare for the toughest jobs. Shaded-pole 8.5-amp motor develops 1/2 hp, turning the twin 6" balanced wheels at 3450 rpm. Quiet and smooth running, with heavy-duty precision ball bearing construction. Adjustable tool rests are calibrated for precision work, with groove to hold bits at proper sharpening angle. Adjustable eye shields and spark arrestors. Cast aluminum housing has "Ball-Brite" finish, enclosed wheel guards. Kit includes: 36-grit coarse and 60-grit fine grinding wheels; wire wheel; buffing wheel; suction cup feet; two dust bags; lamp. Size, 15 x 5 3/4 x 9 1/2". For 110-120 VAC. Has 6-ft. 3-wire cord. Shpg. wt., 20 lbs.  
26 C 1058 X. Complete Kit. \$5 Monthly..... 44.95  
26 C 1059 X. Grinder Alone. With coarse, fine wheels. 16 lbs. .... 39.95



Complete  
**\$4999**  
\$5 monthly

## Rockwell Router Outfit

- Double Insulated for Safety
- 1/2-hp Full Ball Bearing Motor

Model 645. Compact, lightweight, with large dual knobs for positive control. Designed for safety and endurance, with 1/2-hp, 28,000 rpm motor; depth control; 1/4" collet. With bit for slotting, grooving, bit for corner routing, bit for rabbeting or step-cutting, adjustable edge guide, instruction book on router uses. 115 V, 60 Hz AC. Wt., 10 lbs.  
26 C 1052 X. \$5 Monthly..... 49.99

## Shopmate Electric Screwdriver

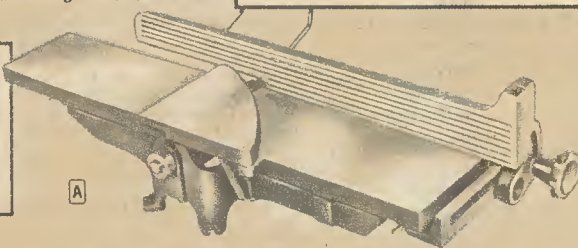
Model 1895. Zips screws in or out with ease, using high-torque 100:1 gear reduction. Drives both slotted and Phillips head screws. Fan-cooled "Lifeweld" 3-amp motor with clutch action. Ball thrust and self-lubricating bronze bearings. On-off and reversing switches. No-load speed, 325 rpm. Accepts any 1/4" hex shank bit. 8 1/2" long. Includes 2 slotted bits with "head finders" and Phillips bit. 3-wire cord, plug. U.L. Listed. For 110-120 V, 25-60 Hz AC. Shpg. wt., 3 1/4 lbs.  
26 C 1200. \$5 Monthly..... 29.95

**\$2995**  
\$5 monthly



Slotted and  
Phillips  
Bits

With 3 High-Speed Knives  
**\$2995**  
less motor  
\$5 monthly

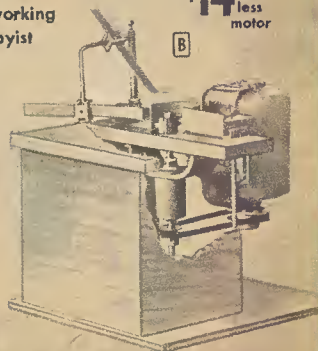


## A AMT 4-inch Jointer-Planer

Model 2432. Makes accurate glue joints, rabbet cuts to 3/8", taper and bevel cuts. Precision ground table adjusts for cut depth; fence adjusts to 50°. Balanced heads, 3 high-speed knives. Order motor below. 22" long.  
26 C 1057 X. 19 lbs. \$5 Monthly... 29.95  
26 C 3274 X. AC Motor. 17 lbs. .... 22.95

For the  
Woodworking  
Hobbyist

**\$1495**  
less motor



## B AMT Spindle Shaper Kit

Model 252. Makes decorator edges, beads, coves, moldings, tongue-in-groove joints, etc. Fully adjustable; takes 1/2" bore cutters. Sealed ball bearings. With plans for construction of wood table and base. Order motor below.  
26 C 1056 X. Shpg. wt., 9 lbs. .... 14.95  
26 C 3274 X. AC Motor. Wt., 17 lbs. 22.95



# Turner Gas Welding Outfits for Home and Shop



**Professionally-Rated Welding Outfit**

**\$97<sup>50</sup>**

\$5 monthly



**Professional Heavy-Duty Outfit**

**\$109<sup>95</sup>**

\$6 monthly

## Oxyacetylene/Propane Welding Outfit

For expert welding, cutting, brazing, soldering or heating. Welds metal to 1/4" thick; cuts metal to 1" thick. Professionally rated, single-stage outfit includes: torch handle and mixer assembly; oxygen regulator; acetylene or propane regulator; three welding tips—Nos. 1, 5, 8; cutting attachment and tip; goggles; spark lighter; 20-ft. of hose; fittings and adapters. Needs only oxygen and acetylene or propane cylinder.

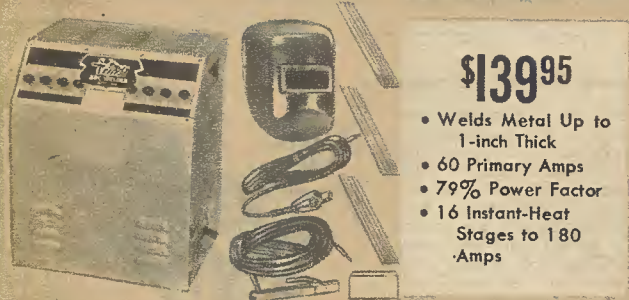
26 C 1450 X. Shpg. wt., 20 lbs. \$5 Monthly.....97.50

## New! Heavy-Duty Welding/Cutting Outfit

Specially designed for heavy-duty welding, cutting, brazing. Professionally rated. Welds metal to 1", cuts to 2". Includes: torch handle and mixer assembly; oxygen regulator; regulator for acetylene or propane; 3 welding tips; cutting attachment and tip; goggles; spark lighter, 20-ft. of hose; fittings and adapters. Needs only oxygen and acetylene or propane cylinder.

26 C 1454 X. Shpg. wt., 22 lbs. \$6 Monthly.....109.95

# Trindl Arc-Welding Outfits with Continuous Duty Cycle



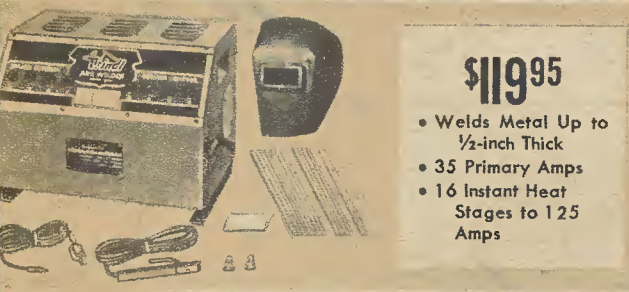
**\$139<sup>95</sup>**

- Welds Metal Up to 1-inch Thick
- 60 Primary Amps
- 79% Power Factor
- 16 Instant-Heat Stages to 180 Amps

## Heavy-Duty 180-Amp Outfit

180A-3C7. Our finest industrial welder gives outstanding performance for auto, shop, and farm use. Features heavy-duty transformer and extra-stable arc of 25-30 arc volts. Welds metal up to 1-inch thick, handles welding rods 5/64" to 3/16". Has 16 instant-heat stages for a wide variety of applications. Dual-coil design; special insulation. Continuous operation with 30% duty cycle. Includes head shield; electrode holder; electrodes; welding, ground, power cables; ground clamp; 3-prong plugs; instructions. 25 3/4" x 16 x 11 1/2". For 110/230 V. 50-60 Hz AC. Shpg. wt., 90 lbs.

26 C 3635 Z. \$7 Monthly.....139.95



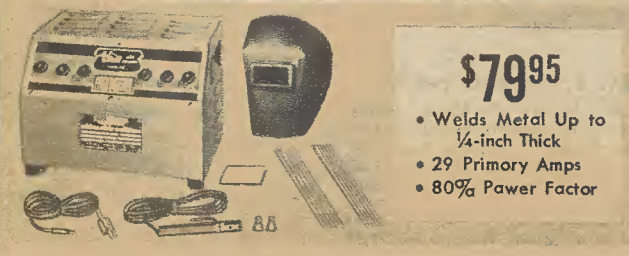
**\$119<sup>95</sup>**

- Welds Metal Up to 1/2-inch Thick
- 35 Primary Amps
- 16 Instant Heat Stages to 125 Amps

## Heavy-Duty 125-Amp Outfit

125A-11A5. Heavy-duty outfit for fast production and maintenance work. Dual-head construction. Has continuous manual duty cycle. Handles 1/16" to 3/32" rods on metal to 1/2" thick. Offers 16 instant-heat stages from 20 to 125 amps. 75% power factor. Includes head shield; welding, ground and power cables; assorted electrodes, electrode holder; ground clamp; 3-prong plugs; easy-to-follow instructions. 25 to 30 arc volts. Welded metal cabinet in gray heat-resistant enamel. 12 1/4" x 16 x 11 1/2". For 110-120 V. 50-60 Hz AC. Shpg. wt., 82 lbs.

26 C 1115 Z. \$6 Monthly.....119.95



**\$79<sup>95</sup>**

- Welds Metal Up to 1/4-inch Thick
- 29 Primary Amps
- 80% Power Factor

## Complete 80-Amp Welding Outfit

80A-11A4. Portable, industrial-type outfit with dual coil design. Continuous duty. Handles 1/16" to 3/32" rods on metal up to 1/4" thick. Has 9 heat stages from 20 to 80 amps. 25 arc volts. 29 primary amps with 80% power factor. Includes head shield; ground, power, welding cables; electrode holder; assorted electrodes; ground clamp; 3-prong plugs; instr. Welded gray metal cabinet, 9 1/4" x 12 1/2" x 9 1/4". 115 V. 50-60 Hz AC. 26 C 1116 U. Wt., 39 lbs. \$5 Monthly.....79.95

26 C 1576 X. D-17 Carbon Arc Torch. Maintains 9000°F arc. For all models. Wt., 4 lbs. ....24.95



# Weller Soldering Tools and Soldering Gun Kits



Model  
D550K  
\$1160



D-440  
Gun  
\$915



Model  
8200 PK  
\$695

## Dual-Heat Soldering Kit

Weller D550PK. Heavy-duty kit includes: 240/325 dual-watt soldering gun; 3 tips—soldering, cutting, smoothing; case; wrench; solder; instructions. 2 trigger positions provide 2 temperatures; switch instantly selects heat suited for job. Copper tips, dual spotlights. U.L. Listed. 117 V, 60 Hz AC. 26 C 2057. Wt., 5½ lbs. .... 11.60  
26 C 1496. D550 Solder Gun Alone. Shpg. wt., 4 lbs. .... 9.95

## Medium-Duty Gun

Weller Model D-440. Convenient trigger selects either 145 or 210 watts—you choose the proper heat required for the job. Almost instant warmup of tip makes it perfect for a wide variety of uses—no waiting for the tip to heat. Dual pre-focused spotlights. Includes efficient, long-life copper tip. U.L. Listed. For 110-120 V, 60 Hz AC. Shpg. wt., 3 lbs. 26 C 1497. .... 9.15

## Dual-Heat Soldering Kit

Weller 8200 PK. Economical soldering kit provides everything you need for fast and easy soldering. Includes: 100/140-watt dual-heat "Expert" soldering gun; hi-impact plastic case; three (2 spare) soldering tips; wrench; brush; solder-aid tool; solder; instructions. Compact, balanced gun. Copper tips for high heat transfer. Spotlight illuminates work. U.L. Listed. For 110-120 V, 60 Hz AC. Shpg. wt., 2½ lbs. 26 C 2059. .... 6.95  
26 C 2058. 8200 Gun Alone. 2 lbs. .... 5.95

## Weller Tips and Accessories

### Versatile Accessory Tips. 3 oz.

Stock No.	Type	Descrip.	For Models	EA.
26 C 1516	6110	Cutting	WS-100, WD-135, S-400, D-440	.50
26 C 1517	6120	Smoothing	8100 (B), 8200	.50
26 C 1518	6130	Cutting	WS-200, S-500	.50
26 C 1521	6140	Smoothing	D-550, 8250A	.50

### Replacement Tips. 2 per pkg. 3 oz.

Stock No.	Type	Use With Models	PKG.
26 C 1476	7135	WS-100, WD-135, S-400, D-440, 8200	.50
26 C 1475	7250	WS-200, WD-250, S-500, D-550, 8250A	.50
26 C 1477	7300	S-107, D-207. Not interchangeable with above.	.50
26 C 1209	8125/8100B, 8200		.50

**Replacement Parts.** Type 7325 and 7417 are nuts for connecting tips to gun. 7324 is trigger switch. 3 oz.

Stock No.	Type	Use With Models	EACH
26 C 1491	7325	D-440, S-440, 8100, 8100B, 8200	.20
26 C 1494	7417	D-550, S-500, 8250A	.20
26 C 1493	7324	All Dual-heat types	1.20

## Wen Replacement Tips

For Models 450 and 222. Light duty, 25-100W; medium 100-200W; heavy, 200-450W. \*For Model 450 only. 2 oz.

Stock No.	Type	Tip	EA.
26 C 2675	45F7	Light-duty	.98
26 C 2676	45M7	Medium-duty	.98
26 C 2677	45A7	Heavy-duty*	.98
26 C 2678	45P57	Smoothing	.45
26 C 2679	45S7	Cutting	.45

For Model 75. Av. shpg. wt., 4 oz.

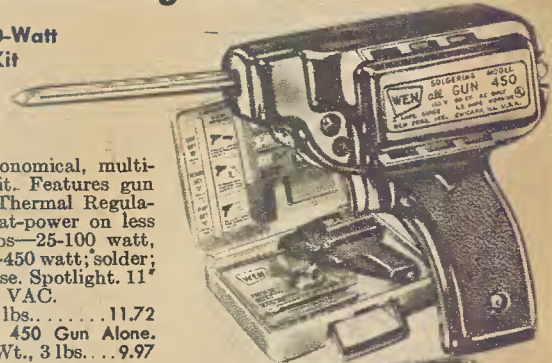
26 C 2029	75A7	Standard solder	.70
26 C 2031	75B7	Fine point	.70

# Wen Soldering Guns and Kits

## Wen 25 to 450-Watt Soldering Kit

\$1172

Model 450K4. Economical, multi-purpose solder kit. Features gun with Automatic Thermal Regulation for more heat-power on less current; three tips—25-100 watt, 100-200 watt, 200-450 watt; solder; shock-resistant case. Spotlight. 11" long with tip. 115 VAC. 26 C 3267. Wt., 5 lbs. .... 11.72  
26 C 2674. Model 450 Gun Alone. With 45 A 7 tip. Wt., 3 lbs. .... 9.97



With "ATR"  
\$417

## Low-Cost Soldering Pistol

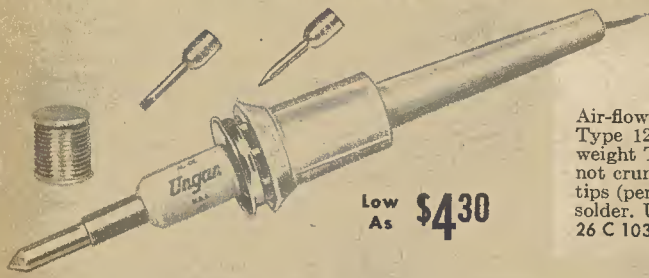
Model 75. Gives heat of 100-watt device from peak surge of only 50 watts and normal draw of 30 watts—automatically. Instant heat. Heavy copper tip for repeated dressing down. Spotlight; single set-screw for tip. With std. tip. U.L. and C.S.A. Listed. For 110-120 VAC. 26 C 2479. Wt., 1¼ lbs. .... 4.17

## Dual-Heat Soldering Kit

Model 222K5. Instant heat. Automatic Thermal Regulation. Two heat ranges depending on tip: 25-100 or 100-200 watts with tips included. Also has smoothing and cutting tips. Focused spotlight; 9¼". U.L. and C.S.A. Listed. 115 VAC. Wt., 4 lbs. 26 C 1023. .... 8.79  
26 C 1022. Gun Alone. 2¼ lbs. .... 5.83



# Ungar® "Standard Line" Soldering Tools

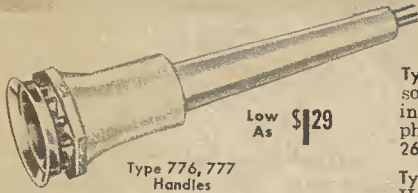


## 7070 "Technicians" Soldering Kit

Features Type 1237 High-Heating Unit and 777 Pastel-Colored Handle

Air-flow construction provides cooler grip. Kit contains: Type 1237 heating unit (37½ watts, 750-800° F.); lightweight Type 777 pastel-colored polypropylene handle (will not crumble or dust); 3 interchangeable, thread-on copper tips (pencil, chisel and pyramid); spool of 60/40 resin core solder. U.L. Listed. For 117 VAC. 1 lb.  
26 C 1036 1-5..... Each 4.59      6-Up..... Each 4.30

Low As \$430



Low As \$129

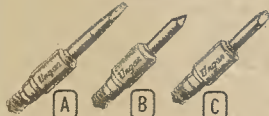
Type 776, 777 Handles

## Balanced Fatigue-Free 776 and 777 Handles with Cord

**Type 776 Handle.** Accepts variety of thread-in elements and tips. Spring socket holds tip firmly—can't wobble or give. Ceramic and glass internal insulation. Stainless steel deflector. Cork grip and thermo-stabilized 5" phenolic body; vinyl-covered cord. U.L. Listed. Order element and tip, below.  
26 C 1304. Shpg. wt., 4 oz. 1-9..... Each 1.55      10-Up..... Each 1.29

**Type 777 Handle.** Same as 776 above, but made of pastel-colored phenolic. Heat stabilized octagon-shaped grip is convection cooled. U.L. Listed.  
26 C 1029. Shpg. wt., 4 oz. 1-9..... Each 1.76      10-Up..... Each 1.47

### Elements with Tips



For 776 and 777 Handles

Fit 776 and 777 handles. 533, 536, 539, 1233, copper alloy tip; 1236 and 1239, silver-plated iron; 4033, 4036, 4039, silver-plated iron-clad copper alloy. U.L. Listed. 115 V, AC-DC. 2 oz.

Stock No.	Type	Fig.	Tip	EA.
26 C 1400	533	A	Chisel, 1½x¾"	1.44
26 C 1478	536	B	Pyramid, 1½x¾"	1.44
26 C 1479	539	C	Chisel, 1½x¾"	1.44

37½ WATTS—750-800° F.				
26 C 1401	1233	A	Chisel, 1½x¾"	1.80
26 C 1480	1236	B	Pyramid, 1½x¾"	1.80
26 C 1481	1239	C	Chisel, 1½x¾"	1.80

47½ WATTS—850-1000° F.				
26 C 1498	4033	A	Chisel, 1½x¾"	2.97
26 C 1499	4036	B	Pyramid, 1½x¾"	2.97
26 C 1500	4039	C	Chisel, 1½x¾"	2.97

### Thread-On Elements and Tips



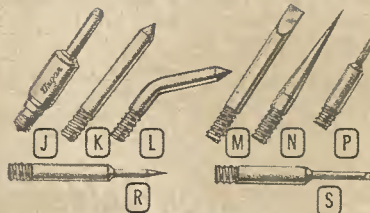
**D THREAD-ON ELEMENTS.** For 100 series thread-on tips. Nickel-plated copper alloy. For 110-120 V, AC-DC. Shpg. wt., 2 oz.

Stock No.	Type	Temp.	Watts	EA.
26 C 1403	4037	850-900°F	47½	2.97
26 C 1402	1237	750-800°F	37½	1.99
26 C 1593	537	600-650°F	23½	1.66

**SERIES 100 THREAD-ON TIPS.** For 537, 4037 or 1237 elements. ¾" long. Silver-clad copper alloy tips, except \*unplated. 2 oz.

Stock No.	Type	Fig.	Description	EA.
26 C 1404	PL-111	E	pencil	.75
26 C 1406	111*	E	pencil	.37
26 C 1405	PL-113	F	chisel	.75
26 C 1407	113*	F	chisel	.37
26 C 1040	PL-114	G	micro-spade	.75
26 C 1041	PL-116	H	pyramid	.75
26 C 1048	116*	H	pyramid	.37

### Thread-In Elements, Tiptets



**J THREAD-IN ELEMENTS.** For Tiptets. Fit 776 and 777 handles. 535, 1235, 4035 fit ⅜" Tiptets; 4045 fits ⅜" Tiptets and tips. 4 oz.

Stock No.	Type	Tip Temp.	Watts	EA.
26 C 1482	535	600-650°F	23½	1.44
26 C 1488	1235	700-750°F	37½	1.80
26 C 1490	4035	800-850°F	47½	2.97
26 C 1105	4045	800-850°F	47½	2.97

### Series 300 ⅛" O.D. Tiptets

For subminiature work. Thread into 535, 1235, 4035 elements (above) Silver-plated, iron-clad copper alloy tips, except \*unplated copper. 1" long, except PL-332 and 332, 1¼"; PL-340, ⅝". PL-338, 7154, 7155 have ⅜" point; PL-340, ⅜" point. 7154, 7155 are Stepped Tiptets. 2 oz.

Stock No.	Type	Fig.	Description	EA.
26 C 1469	PL-331	K	Pencil	.57
26 C 1483	331*	K	Pencil	.23
26 C 1470	PL-332	L	Offset pencil	.57
26 C 1484	332*	L	Offset pencil	.23
26 C 1471	PL-333	M	Chisel	.57
26 C 1485	333*	M	Chisel	.23
26 C 1101	PL-338	N	Tapered needle	.57
26 C 1409	PL-340	P	Micro-spade	.57
26 C 7155	7154	R	Stepped pencil	.57
26 C 2068	7155	S	Stepped chisel	.57

### Series 800 ⅜" O.D. Tiptets

As above, but with ⅜" shanks. Use with 4045 element, above. Iron-plated except \*unplated. 1" long except PL-833 and 834. 1¼" long taper. 2 oz.

26 C 1410	PL-823	....	Pyramid	.65
26 C 2023	823*	....	Pyramid	.25
26 C 1411	PL-824	M	Chisel	.65
26 C 2024	824*	M	Chisel	.25
26 C 1412	PL-833	M	Chisel	.95
26 C 1413	PL-834	L	Offset chisel	.95

### ⅛" Micro-Miniature Tips



For microscopic soldering, assembly. Fit thread-in elements, left. 1 oz.  
26 C 3089. Type 7012 Copper .005" Tip. 1-9..... Each .57      10-Up.... Each .47  
26 C 3090. Type 7062 Iron-Clad Silver-Plated Copper .010" Tip. Wt., 1 oz. 1-9..... Each 1.11      10-Up.... Each .90

Desoldering Tip for Integrated Circuits



\$165

### 859 IC Desoldering Tip

Removes 14 and 16-pin dual inline ICs. Chrome plated, pretinned tip. Use with 4045 element.  
26 C 2075. Shpg. wt., 2 oz.... 1.65



**T Soldering Iron Holder.** Wire guard protects user from burns, also protects iron. Mounts on any bench or wall. Adjust angle. 8 oz. 26 C 1606. For Standard Line. 1.96  
26 C 1702. For Imperial Irons. 1.96

**W Type 8001 Anti-Seize Compound.** Prevents tip from "freezing" to element, lubricates threads. Reduces seizure and corrosion. ½-oz. tube. Shpg. wt., 3 oz.  
26 C 1356.....61



# Ungar® "Imperial" Components for Custom Irons

\$9.95



## Soldering Kit for Micro-Miniature Components

Model 6900. A perfect workbench combination for soldering micro-electronic circuitry. It's like working with a fine ball-point pen. Ideally suited for hair-thin wire, micro-resistors, capacitors and diodes. With turquoise handle, two-wire cord, 10-watt heat capsule, three soldering tips, iron bolder, and cleaning sponge. For 110-120 V, 60 Hz AC.  
26 C 1570. Shpg. wt., 10 oz. .... 9.95

Low As

\$6.79



## Imperial 6-Piece 40-Watt Soldering Kit

Model 6010. Meets the increasing need for efficiency in the modern electronics industry. Combines ease of operation and dependability in attractive, lightweight package. Handles like a pencil. Kit contains: 40-watt cartridge; 3 Mini-tips (long taper chisel, pyramid, micro-chisel); Imperial Handle; 2-wire cord. U.L. Listed. For 110-120 V, AC-DC. Shpg. wt., 8 oz.  
26 C 1053. 1-5. .... Each 6.98    6-Up. .... Each 6.79

## Select Your Own Imperial Handles, Cords, Elements, Tips



### Interchangeable Thread-On Mini-Tips®

For below. \*24-kt. gold plated, iron-clad; †copper. 2 oz.

Stock No.	Mfr's. Type	Fig.	Description	Size	EACH	
					1-9	10-Up
26 C 1625	6304	A	*Micro-chisel	3/64x1/2"	1.03	.86
26 C 1627	6312	B	†Pencil	1/8x3/4"	.46	.39
26 C 1631	6318	C	†Long taper chisel	1/8x3/4"	.46	.39
26 C 1632	6319	C	*Long taper chisel	1/8x3/4"	1.03	.86
26 C 1633	6324	D	†Long taper pyramid	1/8x3/4"	.46	.39
26 C 1634	6325	E	*Long taper pyramid	1/8x3/4"	1.03	.86
26 C 1636	6331	F	*Screwdriver	1/8x3/4"	1.03	.86
26 C 1637	6333	G	*Needle	1/8x3/4"	1.03	.86
26 C 1050	6520	....	†100-w. cart. chisel	1 1/2x1 1/2"	1.22	1.03

### "Long-Life" Heat Cartridges (Not illus.)

Stainless Steel. U.L. Listed. For 115 V, AC-DC. 1 oz.

Stock No.	Type	Watts	1-9, EACH	10-Up, EACH
26 C 1049	6207	100	6.56	5.25
26 C 2025	6203	60	4.53	3.88
26 C 1622	6200	40	3.93	3.31
26 C 1623	6201	30	3.93	3.31
26 C 1624	6202	25	3.93	3.31

### "Perma-Cool" Handles

Type 6100. Functional handles weigh only 1 oz. Fit heat cartridges, below at left. Double cushion of air and five heat-transition surfaces for cool operation. Made of polycarbonate resin, have die-cast aluminum heat sink. 4.7" long; 0.8" diameter at grip. Shpg. wt., 2 oz.

Stock No.	Color	EACH	
		1-9	10-Up
26 C 1616	Beige	1.47	1.23
26 C 1617	Ivory	1.47	1.23
26 C 1618	Turquoise	1.47	1.23
26 C 1579	Black	1.47	1.23

### Plug-In Power Cords

Type 6102. Vinyl-covered 2 or 3-wire power cords for Imperial handles. Choice of 4 colors to match handles above. Molded-on female connector, positive slip-on action, and snap-lock. Polyvinylchloride installation on both wire and plug. 18-gauge wire; each conductor 65 strands .005 wire. U.L. Listed. For 115 V, AC-DC. Wt., 3 oz.

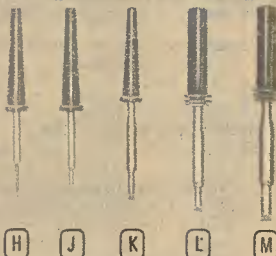
Color	Stock No.	2-Wire, EACH		Stock No.	3-Wire, EACH	
		1-9	10-Up		1-9	10-Up
Beige	26 C 1683	2.10	1.77	26 C 1685	3.12	2.63
Ivory	26 C 1684	2.10	1.77	26 C 1686	3.12	2.63
Turquoise	26 C 1619	2.10	1.77	26 C 1620	3.12	2.63
Black	26 C 1663	2.10	1.77	26 C 1661	3.12	2.63

## "Marksman" Lightweight Soldering Irons by Weller

Weller "Marksman" irons feature stainless steel barrels, plated solid-copper tips, heat and impact-resistant handles. Packed in re-usable vinyl banger pouch. 115 VAC.

**H** Featherweight SP-23 25-Watt Pencil Iron. Features a long-reach barrel. Thin, nickel-plated removable tip. Develops 750°F.  
26 C 2391. Shpg. wt., 8 oz. .... 2.50

**J** Lightweight SP-40 40-Watt Pencil Iron. Compact iron weighs only 2 oz. Excellent for detailed work. Has 1/4" dia. plated-copper tip.  
26 C 3121. Shpg. wt., 8 oz. .... 3.35



**K** Heavy-Duty 80-Watt Pencil Iron. Lightweight pencil style iron weighs 4 ounces. Has 3/8-inch diameter copper-plated tip.  
26 C 3120. Shpg. wt., 10 oz. .... 4.15

**L** Medium-Duty SP-120 120-Watt Iron. For light sheet metal work, home repairs. 1/2-inch diameter plated tip. Shpg. wt., 1 lb.  
26 C 3119. .... 7.50

**M** Heavy-Duty SP-175 175-Watt Iron. For big jobs. Has maximum heat transfer. Sheet metal, production use. 3/8" dia. plated-copper tip.  
26 C 3118. Shpg. wt., 2 lbs. .... 9.15

### "Marksman" 25-Watt Soldering Kit

\$3.69



Model SP-23-K. Complete soldering kit features the "Marksman" 25-watt pencil iron above, left. Kit also includes three different pre-tinned nickel-plated copper tips, soldering aid tool, 5-ft. 60/40 resin core solder, instructions. 115 VAC. Wt., 8 oz.  
26 C 2392. .... 3.69



# Soldering Tools and Accessories



**\$1775**

## New Endeco 300-K 9-Piece Desoldering Kit

Handles almost any desoldering or resoldering job. 8" long, weighs just 3½ oz. Removes miniature soldered components in seconds without damage. Resolders new connections even faster, thanks to its 360° "wrap-around" contact. One-hand operation. 40 watts. 6 different tips from 0.38 to .090, tip cleaning tool, steel box. For 110-120 V, 60 Hz AC. Shpg. wt., 3 lbs.

26 C 1195..... 17.75

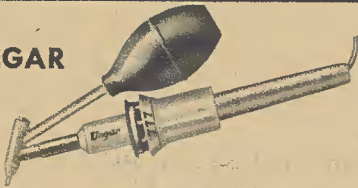
## X-Acto 348 Solder Aid Kit

Now you can do professional-quality soldering every time with the help of this handy soldering aid kit. Includes five versatile tools. Manufactured from hard chrome-plated steel, to which solder will not adhere. Tools included in kit are fork, knife and scraper, tracer, reamer, brush, double-chuck handle and compact see-thru carrying case. Shpg. wt., 1½ oz.

26 C 1229..... 2.98



**UNGAR**



Low As  
**\$915**

## Hot-Vac Desolderer and Solderer

Also for Heat-Shrinkable Tubing

Type 7800. Desolders and cleans printed circuit boards. Hot-Vac melts solder, which is sucked up into collector by bulb. Special coating makes tip-tinning unnecessary. Also for heat-shrinkable tubing. With 37½-watt element. For 115 volts AC. Shpg. wt., 12 oz.

26 C 1028. 1-5..... Each 11.49  
6-Up..... Each 9.15

Better Connections,  
Longer Tip Life

## Ungar "Kleen-Tip" Kit

Type 400. Removes oxidation and excess solder from soldering tips. Consists of specially processed sponge and phenolic tray. Shpg. wt., 2 oz.

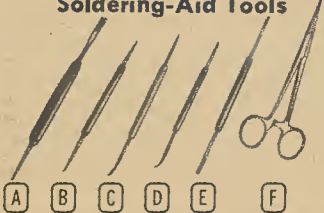
26 C 1421..... 1.09

26 C 1422. Type 455 Refill Sponge. Shpg. wt., 2 oz..... 42¢



**\$109**

## Soldering-Aid Tools



**A** G-C 9088. One end has stiff wire brush for cleaning wire and terminals before soldering; other end shaped to hold wires during soldering. Solder does not stick to chrome-tipped probe. 8". 4 oz.  
26 C 1000..... 98¢

**B** **C** G-C 9075 and 9076. Double ends ream, hold, or pry. Heat-treated tool steel. Chrome plated to prevent solder from sticking. 4 oz.  
26 C 1728. (B) Straight Probe .... 78¢  
26 C 1729. (C) Angled Probe .... 78¢

**D** G-C 9093. For printed circuits. Off-set and slotted probes of hardened stainless steel—solder does not stick to tool. 8" long. 4 oz.  
26 C 1586..... 98¢

**E** G-C 9094. Stainless steel brush, hardened steel scraper. For printed circuit boards. Solder does not stick to tool. 8" long. 3 oz.  
26 C 1587..... 96¢

**F** Xcelite 42H Seizer. Versatile, 6" straight-nose tool clamps tightly. Holds wires for soldering, acts as a heat sink, retrieves small parts from hard-to-reach places. Precision made of stainless steel. 3 oz.  
26 C 1255..... 3.93  
26 C 1256. Type 43H. As above, but has curved nose..... 4.07

## Ersin and Kester Non-Corrosive Solders

A Solder for Every Purpose . . . Types for Hobbyist, Radio and TV Serviceman

### Ersin Extra-Fine-Gauge Solder

Five-core solder. 60% tin, 40% lead. \*Eutectic—37% lead, 63% tin. Meets Federal spec. QQ-S-571. Each package contains four ½-lb. spools. Shpg. wt. per package, 3 lbs.

Stock No.	Gauge	EACH
26 C 3015	24 (.022")	11.57
26 C 3016	28 (.014")	15.29
26 C 3017	32 (.0108")	19.96
26 C 3018	34 (.009")	24.26
26 C 3056	*20 (.036")	7.45
26 C 3057	*24 (.022")	12.12
26 C 3058	*28 (.014")	15.52
26 C 3059	*32 (.0108")	20.15

### Ersin Multicore Solders

Tin/Lead Solder. Non-corrosive Ersin flux. 60% tin, 40% lead. 1-lb. spools. Shpg. wt. per spool, 1¾ lbs.

Stock No.	Gauge	EACH
26 C 1730	16 (.064")	3.34
26 C 1733	18 (.048")	3.40
26 C 1736	20 (.036")	3.67

Resin Multicore Solder. 5 cores of flux. 40% tin, 60% lead. 1-lb. spools. Shpg. wt. per spool, 1¾ lbs.

26 C 1594	16 (.064")	2.67
26 C 1313	18 (.048")	2.70

"Savbit" Solder. 5 cores of flux. Copper-tin-lead alloy reduces tip wear, offers greater strength. 1-lb. spools. Shpg. wt. per spool, 1¾ lbs.

26 C 1123	16 (.064")	3.22
26 C 1629	18 (.048")	3.34
26 C 1635	20 (.036")	3.63

## Kester Solders

Kester "44". Fast-melting for high-speed soldering. Resin flux core. Non-corrosive, non-conductive. 60/40 alloy.

Stock No.	Dia.	Net	Shpg.	EACH
26 C 2112	.062"	1 lb.	1¼ lb.	2.14
26 C 2164	.031"	1 lb.	1¼ lb.	2.82

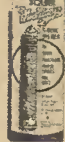
"Resin Five" Core Solder. For printed circuits. Has active Resin flux. Non-corrosive, non-conductive. 60% tin, 40% lead.

Stock No.	Dia.	Net	Shpg.	EACH
26 C 2234	.062"	1 lb.	1¼ lb.	2.14
26 C 2285	.031"	1 lb.	1¼ lb.	2.82

Solder Paste. Provides an even distribution of active ingredients. 2-oz. can. Shpg. wt., 5 oz.

26 C 1578..... 15¢

Tinning Block. Shpg. wt., 1¼ lbs.  
26 C 1582..... 65¢



Printed-Circuit Pak. 40% lead, 60% tin alloy resin-core solder for printed circuit boards. 18-ga., 5 cores. In flameproof aluminum dispenser. 5 oz.  
26 C 1599..... 69¢

## Lightweight Miller and G-C Soldering Heat Sinks



**G** Miller 80. Spring-type sink. Copper jaws, plastic covered handles. Shpg. wt., 6 oz.

26 C 1743..... 95¢

**H** G-C 9077. Aluminum sink gives firm grip. 3 oz.  
26 C 1742..... 35¢



# Storage Cabinets, Assorted Hardware



**A**  
\$13.49

## AKRO-MILS Heavy-Duty Cabinets

Choice of molded clear styrene "See-Thru" or opaque extra-heavy-duty polystyrene drawers. Use individually on flat surfaces, in rows, stacked vertically or wall mounted. Welded steel frames. Gray finish. Cabinets, 17 $\frac{1}{8}$ " wide.\* Type 17 has "See-Thru" drawers; Type 18 has opaque extra-heavy-duty drawers. Av. shpg. wt., 15 lbs.

Stock No.	Mfr's Type	Fig.	Cabinet HxD*	Drawers		EACH
				No.	HxWxD In.	
26 C 2501 X	17-136	A	11 $\frac{1}{8}$ "	36	1 $\frac{1}{4}$ x2 $\frac{3}{4}$ x5 $\frac{1}{4}$	13.49
26 C 1700 X	17-024	B	10 $\frac{1}{8}$ "	24	2x2 $\frac{1}{2}$ x5 $\frac{1}{4}$	13.49
26 C 1722 X	18-136	A	11 $\frac{1}{8}$ "	36	1 $\frac{1}{4}$ x2 $\frac{3}{4}$ x5 $\frac{1}{4}$	13.49
26 C 1723 X	18-024	B	10 $\frac{1}{8}$ "	24	2x2 $\frac{1}{2}$ x5 $\frac{1}{4}$	13.49



**C** Save \$2.30  
48 Drawer Cabinet \$8.95  
Was \$11.25

## C Economy Steel Frame Cabinets

All-steel welded frames. Clear-plastic drawers, 2 $\frac{3}{4}$ x1 $\frac{1}{4}$ x5 $\frac{3}{4}$ ". Adjustable dividers. Baked enamel finish. Labels, one divider per drawer. Cabinet depth, 6".

Stock No.	No. of Drawers	Size H & W	Wt., Lbs.	EACH
26 C 1739 X	18	9x10"	5 $\frac{1}{2}$	4.31
26 C 1780 X	24	9x13"	7	5.63
26 C 1975 X	48	18x13"	13	8.95



\$3.49 less tools

## Akro-Mils Repair Tool Caddy

For handyman or hobbyist, 39 different tool-holding slots. 2 large storage wells for other items. 4 dust-free drawers for small parts. Large sure-grip handle. High-impact heavy-duty styrene. Easy-to-assemble. 11 $\frac{1}{2}$ x21x47". Tools not included. 26 C 2789 X. Shpg. wt., 3 $\frac{1}{2}$  lbs.. \$3.49

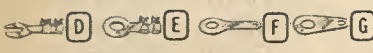
## Vichek Polystyrene Strong, Lightweight Clear Plastic Storage Boxes

Stock No.	Type *	Compartments	Size	Overall Size	Lbs.	EA.
26 C 2375	P250	1	5 $\frac{1}{2}$ x3 $\frac{1}{2}$ "	6 $\frac{1}{4}$ x4 $\frac{1}{2}$ x1 $\frac{1}{8}$ "	1	.38
26 C 2378	P203	6	1 $\frac{1}{4}$ x3 $\frac{1}{8}$ "	8 $\frac{1}{4}$ x4 $\frac{1}{2}$ x1 $\frac{1}{8}$ "	1 $\frac{1}{2}$	.51
26 C 2379	P210	9	8-1 $\frac{1}{2}$ x1 $\frac{1}{8}$ "	7x3 $\frac{1}{2}$ x1 $\frac{1}{4}$ "	1	.37
26 C 2380	P201	12	6-1 $\frac{1}{4}$ x1 $\frac{1}{4}$ "	8 $\frac{1}{4}$ x4 $\frac{1}{2}$ x1 $\frac{1}{8}$ "	1 $\frac{1}{2}$	.51
26 C 2381	P612	12	6-1 $\frac{1}{2}$ x1 $\frac{1}{8}$ "	11x6 $\frac{1}{2}$ x1 $\frac{1}{4}$ "	2	1.22
26 C 2094	P812	12	2x4 $\frac{3}{8}$ x2 $\frac{1}{16}$ "	13 $\frac{1}{8}$ x9x2 $\frac{3}{4}$ "	1	1.95
26 C 2382	P200	18	1 $\frac{1}{4}$ x1 $\frac{1}{4}$ "	8 $\frac{1}{4}$ x4 $\frac{1}{2}$ x1 $\frac{1}{8}$ "	3/4	.51
26 C 2383	P618	18	1 $\frac{1}{2}$ x1 $\frac{1}{8}$ "	11x6 $\frac{1}{2}$ x1 $\frac{1}{4}$ "	2 $\frac{1}{2}$	1.28
26 C 2384	P818	18	12-2x2"	13 $\frac{1}{8}$ x9x2 $\frac{3}{8}$ "	3	1.95
26 C 2385	P824	24	2x2"	13 $\frac{1}{8}$ x9x2 $\frac{3}{8}$ "	3 $\frac{1}{2}$	2.03
26 C 2095	P166	36	1 $\frac{1}{2}$ x1 $\frac{1}{8}$ x1 $\frac{1}{8}$ "	10x7x1 $\frac{1}{8}$ "	3 $\frac{1}{2}$	1.35

All-plastic hinged-top with 1 to 36 compartments for storing small parts or hardware. Rigid, lightweight, scratch-resistant, easy to clean. Strong hinge design. P250 has removable cover. \*No. of compartments per box.



## G-C Hardware Assortments for Everyone—Technician, Home Owner, Hobbyist



Tinned Soldering (and Solderless) Lugs. Fig. D or E are solderless lugs. No. 8 holes take no. 6 screws. Wt., 3 oz.

Stock No.	Hole Size	Lgth.	Fig.	Quantity	PER PKG.
26 C 2691	No. 6	2 $\frac{1}{2}$ "	D	25	.39
26 C 2692	No. 8	3/4"	D	25	.39
26 C 2693	No. 6	1 $\frac{1}{4}$ "	F	30	.39
26 C 2694	No. 6	3/8"	G	30	.39
26 C 2695	No. 8	3/8"	C	30	.39
26 C 2696	No. 6	1 $\frac{1}{2}$ "	E	25	.39
26 C 2697	No. 8	1 $\frac{1}{2}$ "	E	25	.39

Internal Lock Washers. Star-type. Hold screws tight under vibration. Cadmium plated. Av. shpg. wt., per pkg., 3 oz.

Stock No.	Screw Size	O. D.	Quantity	PER PKG.
26 C 2703	No. 2	.....	35	.39
26 C 1163	No. 4	.....	50	.39
26 C 1196	No. 6	3/8"	50	.39
26 C 1197	No. 8	3/8"	50	.39
26 C 1198	No. 10	3/8"	45	.39

Metal Washers. Nickel plated. 1/32" thick. For screw sizes indicated. Av. wt., 3 oz.

Stock No.	Screw Size	Hole Size	O. D.	Quantity	PER PKG.
26 C 2705	No. 4	1/4"	3/8"	80	.39
26 C 2706	No. 6	3/8"	3/4"	80	.39
26 C 2707	No. 8	3/8"	7/8"	80	.39



Binding-Head Machine Screws. Nickel plated steel. Extra-wide shoulder. Av. wt., 3 oz.

Stock No.	Size	Quantity	PER PKG.
26 C 2718	2-56x1 $\frac{1}{4}$ "	40	.39
26 C 2719	2-56x1 $\frac{1}{2}$ "	40	.39
26 C 2720	4-36x1 $\frac{1}{4}$ "	40	.39
26 C 2721	4-36x1 $\frac{1}{2}$ "	35	.39
26 C 2722	4-36x3/4"	35	.39
26 C 2723	4-40x1/4"	40	.39
26 C 2724	4-40x1/2"	35	.39
26 C 2726	6-32x1/4"	35	.39
26 C 2727	6-32x3/4"	30	.39
26 C 2728	8-32x3/4"	25	.39



Round-Head Machine Screws. Nickel-plated steel with slotted round heads. Av. shpg. wt. per package, 3 oz.

Stock No.	Size	Quantity	PER PKG.
26 C 2709	2-56x1/4"	40	.39
26 C 2710	2-56x1/2"	40	.39
26 C 1166	4-36x1/4"	40	.39
26 C 1167	4-36x1/2"	35	.39
26 C 2711	4-40x1/4"	40	.39
26 C 1170	6-32x1/4"	40	.39
26 C 1172	6-32x1/2"	30	.39
26 C 1173	6-32x1"	30	.39
26 C 2715	8-32x1/2"	25	.39
26 C 2717	8-32x1"	20	.39
26 C 1175	10-32x1 $\frac{1}{2}$ "	20	.39



Hex-Head Sheet Metal Screws. Nickel-plated, slotted, self-tapping screws. Pointed type "A." Av. shpg. wt., 2 oz.

Stock No.	Size	Quantity	PER PKG.
26 C 1176	4x1/2"	35	.39
26 C 2737	6x1/4"	30	.39
26 C 2738	6x3/8"	25	.39
26 C 2739	6x1/2"	25	.39
26 C 2741	8x1/2"	20	.39



Hexagon Nuts. Nickel plated steel resists oxidation. \*Indicates thickness. Av. shpg. wt., 3 oz.

Stock No.	Thrd	Width	Quantity	PKG.
26 C 2742	2-56	3/16"	1/16"	30 .39
26 C 1186	4-36	1/4"	3/32"	30 .39
26 C 2744	4-40	1/4"	3/32"	30 .39
26 C 1188	6-32	1/4"	3/32"	30 .39
26 C 1193	8-32	1/4"	3/32"	30 .39
26 C 1187	10-32	3/8"	3/64"	30 .39



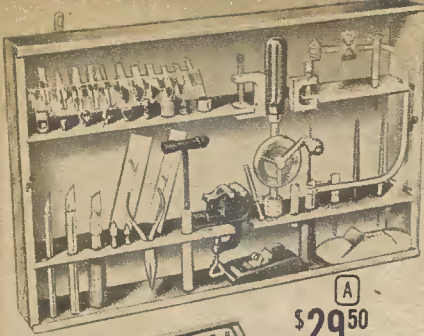
Black Rubber Grommets. Soft rubber. Fit chassis up to 1/16". Av. wt., 2 oz.

Stock No.	Mtg. Hole	Inner Dia.	Overall Dia.	Quantity	PER PKG.
26 C 1212	1/4"	1/8"	1/2"	16	.39
26 C 1213	3/8"	3/16"	7/16"	14	.39
26 C 1214	1/2"	1/4"	9/16"	12	.39
26 C 1215	5/8"	3/8"	5/8"	10	.39
26 C 2708	3/4"	1/2"	13/16"	8	.39

Hardware Assortments Supplied in Handy Clear-Plastic Case



# Tools, Kits for the Hobbyist

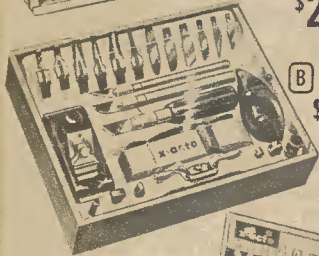


**A** \$29<sup>50</sup>



**C** \$49<sup>95</sup>

**D** \$18<sup>95</sup>



**B** \$11<sup>25</sup>

**Multi-Purpose  
Knife Chest**  
\$4<sup>25</sup>



Model 82

**X-Acto 82 Knife Chest.** Low-cost set includes Nos. 1, 2 and 5 knives with nine assorted extra blades. In handy, neutral-finish wood chest. 12 oz.  
26 C 2522..... 4.25

**A X-Acto 88N Hobby Den Tool Cabinet.** Fitted wooden cabinet, see-thru cover. Includes: 3 knives with blades; 6 blades; 6 gouges; 4 routers; 2 punches; saw, 4 blades; drill bit; 2 screwdriver bits; planer; sander; file; vise; hammer; pliers; 2 screwdrivers; tweezer; 2 chucks; 5 clamps; instruction/project book. Wt. 8 lbs.  
26 C 2590 X. \$5 Monthly..... 29.50

**C X-Acto 99 Super 65-Piece Tool Set.** Contains a complete assortment of hobby tools, knives and blades fitted into a handsome Philippine Mahogany cabinet. Provides a compact, orderly way of storing all your hobby tools. Cabinet has drawer for convenient storage of small parts. Overall size, 19x13x5½". Shpg. wt., 13½ lbs.  
26 C 2656 X. \$5 Monthly..... 49.95

**B X-Acto 84 Knife and Tool Set.** Includes Nos. 1, 2 and 5 knives plus full assortment of blades, gouges, routers, punches; planer; 1" sander; spokeshave; balsa stripper. Wooden box has see-thru cover, fitted plastic tray insert. Shpg. wt. 2½ lbs.  
26 C 2619..... 11.25

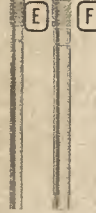
**D X-Acto 87 Knife and Tool Chest.** Includes Nos. 1, 2 and 6 knives, asstd. blades, gouges, routers, punches; plus planer, sander, hobbycraft saw, spokeshave, balsa stripper, steel rule, pin vise, screwdriver, asstd. drill bits, in fitted wood chest.  
26 C 2660. Wt., 3½ lbs. .... 18.95



\$4<sup>49</sup>

## X-Acto Cordless Hobby Drill

Battery-powered, ideal for models. Drills plastic, wood, light metal; grinds, polishes, carves. 3 collets, punch, grinder. Order 2 batteries.  
26 C 2438. Wt., 1 lb. .... 4.49  
18 C 5078. "C" Bott. 10 oz. .2 for 3¢

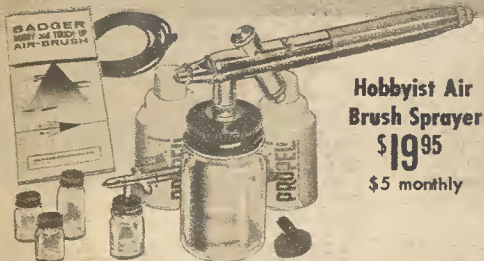


**E X-Acto No. 1 Knife.** For light to med. use. Aluminum. 5". With #11 blade.  
26 C 2523. Wt., 5 oz. .... 59¢  
Blades for above. Pkg. 5. 2 oz.

**F No. 2 Knife.** Med. to heavy duty. With #22 blade.  
26 C 2526. 5". Wt., 5 oz. .... 72¢  
Blades far above. Pkg. 5. 2 oz.

Stock No.	Type	Pkg.
26 C 2836	10 Eraser	.53
26 C 2837	11 Fine Angle	.53
26 C 2838	12 Correction	.53
26 C 2839	13 Plastic Saw	.53

Stock No.	Type	Pkg.
26 C 2840	18 Chisel, ½"	.53
26 C 2859	19 Deburring	.53
26 C 2860	22 Trimming	.53
26 C 2866	23X Dual Edge	.67
26 C 2871	24 Close Corn.	.53



**Hobbyist Air  
Brush Sprayer**  
\$19<sup>95</sup>  
\$5 monthly

- Perfect for Hobby Use
- Full Spray Adjustment
- Teflon® Bearings, Seals
- Easy To Use and Clean

Versatile single-action air brush gives professional results, yet it's so easy to master. Metal parts with Teflon bearings and seals. Includes sprayer, 6-ft. vinyl air hose, 2 cans of propellant (½-hour spraying each), on-off valve, 1-oz. paint jar, two ½-oz. jars.  
26 C 2662. Wt., 5 lbs. \$5 Monthly..... 19.95  
26 C 2698. Extro Propellant. 1½ lbs. .... Pkg. 2 for 3.98



**24" Flexible Shaft  
Electric Hobby Tool Kit**  
\$19<sup>95</sup>  
\$5 monthly  
Complete 24-Piece Kit

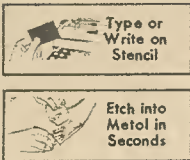
Bench-top power tool for variety of hobby uses. Includes 1/60 hp 3000 rpm shaded-pole motor with 2-ft. flexible shaft and band piece, plus these accessories: 2 sanding bands; 2 sanding discs; polishing buff; cutting disc; mandrels; 6 drills with collets (¼", ½", ¾", 1/8", 3/16", 5/16" and 3/8"); case. 120 V, 60 Hz. AC.  
26 C 2669. Wt., 1 lb. \$5 Monthly..... 19.95



# Fine-Quality Tools for Home and Shop

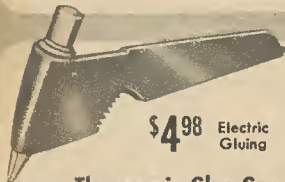


Complete with  
Electrolyte  
and Stencils  
**\$19.95**



## Etch-O-Matic Marking Kit

Etch names, designs, numbers into almost any metal by typing, writing, drawing or die imprinting on special stencil. 110 VAC. Wt., 1 lb. 26 C 1085. \$5 Monthly. . . . . 19.95



**\$4.98** Electric Gluing

## Thermogrip Glue Gun

Insert solid glue stick in gun, it's heated and melted and glue feeds from tip. Permanent, waterproof bond in 60 seconds—no clamping. With glue sticks, sealer-sticks for caulking. 115 V AC-DC. 26 C 2435. Wt., 1 lb. . . . . 4.98 26 C 3188. Extra 1 1/2" Glue Sticks. 12 oz. . . . . Pkg. of 60 for 1.98 26 C 3189. Extra 1 1/2" Sealer Sticks. 12 oz. . . . . Pkg. of 60 for 1.98



**\$11.95**

## Dremel Model 290 Engraver

Easy to use as a pencil. Even engraves glass. 5-speed adjustment for stroke length, depth. Hi-speed reciprocating motor. Nylon. With case, carbide point. 110-120 VAC. 26 C 2405. Wt., 1 1/2 lbs. . . . 11.95

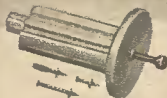


**Lutron Mark II**

Low As **\$11.95**

## Power Tool Speed Control

Varies speed of drill, saw, etc. from "off" to full. For up to 5 amp univ. (AC-DC) and series DC motors only. 900 W max. 115 VAC. 26 C 1836. Wt., 1 1/2 lbs. . . . . 11.95 26 C 2434. Up to 10 amp. . . . 17.95



## Concrete Fastener

With Pins **\$3.29**

No drilling! Anchor wood or light metal to concrete with 5 bammer taps. Piston concentrates hammer force. With asstd. driver pins. 26 C 2425. Wt., 12 oz. . . . . 3.29 26 C 2426. 3/4" Pin. Fastens conduit, straps. 8 oz. . . . . Pkg. 19/79¢ 26 C 2427. 1 1/2" Pin. Furring strips to concrete. 8 oz. . . . . Pkg. 10/79¢ 26 C 2428. 2 1/2" Pin. For 2x4" planks to concrete. 8 oz. . . . . Pkg. 9/79¢ 26 C 2429. 1/4"-20 Threaded Stud. For concrete. 8 oz. . . . . Pkg. 10/79¢



## Voco Power Riveter Kit

Exclusive "Bubble Action" Assures Positive Fastening Every Time



Insert Pow'Rivet in Hole Squeeze Tool to Flatten For Tight One-Side Riveting

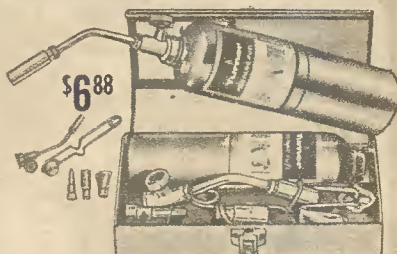
**\$6.29** • Complete With Pow'Rivets • For Material To 1/2" Thick

575100. Simple squeeze gives neat, tight riveting from one side of work. 4-way head takes any size blind rivet. Includes Rivetool, 55 assorted rivets, plastic case. 26 C 2556. Wt., 2 lbs. . . . . 6.29 Model 495 Rivetool Only. 26 C 2549. Wt., 1 lb. . . . . 3.95 Pow'Rivets. Clamp-up action. 8 oz.

Stock No.	Dia.	Lgth.	Qty.	BOX
26 C 2566	1/4"	.400"	50	.89
26 C 2576	3/8"	.470"	32	.89
26 C 2580	1/2"	.530"	27	.89
26 C 2581	5/8"	.720"	22	.89

## Turner LP-99 All-Purpose Propane-Gas Torch Kit

For sweating fittings, soldering, bending metal. Brass torch has heavy-duty valve with drag spring on knob. You get: pencil-point burner; heavy-duty burner; brass flame-spreader; copper chisel-point solder tip; tank of fuel; spark lighter; steel case 3x10 1/2 x6". U.L. Listed. 26 C 1081 X. Wt., 4 1/2 lbs. . . . . 6.88



**\$6.88**

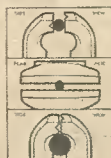


## A 4-In-1 Metalworker

Forms angles to 90° in flat or rod stock to 16-gauge, 1" wide; shears; rivets; punches. With 3 punches. 26 C 2500. Wt., 6 lbs. . . . . 9.95

## B Metal Forming Broke

Shapes perfect bends and contours in metal to 16-gauge; bends to 90° Thickness, sharpness adjustment. 26 C 2439. Wt., 9 lbs. . . . . 9.95

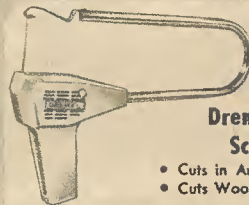


Ideal For Delicate Ports

**\$14.95**

## Hobbyist's Precision Flexi-Vise

Universal 3-way vise rotates work 360° in any plane. Cantilever design for stability; non-skid base. Spring-assisted V-groove aluminum jaws gives firm, safe grip; 1 1/8" capacity; neoprene liners. 26 C 2589. Wt., 2 lbs. . . . . 14.95



**\$9.95**

## Dremel Electric Scroll Saw

• Cuts in Any Direction • Cuts Wood To 3/4" Thick

Cuts scrolls, angles and curves in wood to 3/4" thick, tile, light metal. Thin, fast blade leaves smooth wood. Cuts in any direction—9 1/2" deep throat. For 115 VAC. 26 C 2436. Wt., 3 lbs. . . . . 9.95 26 C 2437. Pkg. 10 Blades. 2 oz. 98¢



# Values in Quality Hand Tools

Low **\$15.96**  
As

## Microflame Miniature Torch

Self-contained torch uses miniature oxygen and LP cylinders, gives over 5000° F.  $5\frac{1}{4} \times 2 \times 1\frac{1}{4}$ ". 3 tips, torch tube, gaskets, 2 oxygen and 1 butane cylinders, instructions, all in plastic box. 1 lb.

26 C 3275. 1-5..... Each 17.95  
6-Up..... Each 15.96

26 C 3276. Oxygen Cylinder. Ea. .75  
2-5..... Ea. .70 6-Up..... Ea. .60

26 C 3277. Butane Cylinder. Ea. .50  
2-5..... Ea. .45 6-Up..... Ea. .40



**A** HP Model 500 Nut-Cracking Tool. Cracks nuts from  $\frac{3}{16}$ " to  $1\frac{3}{16}$ ". Easy to use, provides up to 25,000 lbs. pressure.  $1\frac{1}{4}$  lbs.  
26 C 1583..... 5.95

**B** Adel Metal "Nibbling" Tool. "Nibbles" openings in 18-ga. steel, aluminum, or other soft metals up to  $\frac{1}{16}$ " thick. 8 oz.  
26 C 1153..... 4.15  
26 C 1130. Extra Punch. 2 oz. 2.12

**\$2.65**



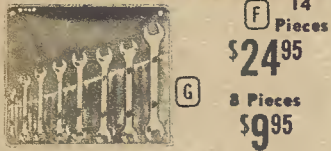
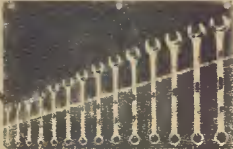
## Flaring Tool, Tube and Pipe Cutters

**C** Flaring Tool. Quality constructed tool makes SAE 45° flare,  $\frac{3}{16}$ " to  $\frac{5}{8}$ " O.D. on copper, brass, and aluminum. 2 lbs.  
26 C 2139..... 2.65

**D** Tubing Cutter. High quality cutter cuts  $\frac{1}{8}$ "- $1\frac{1}{8}$ " O.D. copper, brass, aluminum, and thinwall conduit. Meets Federal Specifications. Has retractable reamer. Shpg. wt.,  $\frac{1}{2}$  lb.  
26 C 2140..... 1.89

**E** Combination Tubing and Pipe Cutter. Combination tool easily cuts tubes and pipes. Cuts  $\frac{5}{8}$ "- $2\frac{1}{8}$ " copper, brass, aluminum, thin-wall conduit;  $\frac{3}{8}$ "-1" iron and steel pipe. Shpg. wt., 2 lbs.  
26 C 2141..... 3.75

## HUSKY WRENCH SETS



**F** 14 Pieces  
**\$24.95**

**G** 8 Pieces  
**\$9.95**

Popular wrench sets packaged in handsome vinyl plastic roll cases. Cases are grommeted for hanging.

**F** 14-Piece Combination Set. One end open-end, other end box. Includes:  $\frac{3}{8}$ ",  $\frac{1}{2}$ ",  $\frac{1}{2}$ ",  $\frac{9}{16}$ ",  $\frac{5}{8}$ ",  $1\frac{1}{16}$ ",  $\frac{3}{4}$ ",  $\frac{13}{16}$ ",  $\frac{7}{8}$ ",  $\frac{15}{16}$ ",  $1$ ",  $1\frac{1}{16}$ ",  $1\frac{1}{8}$ ",  $1\frac{1}{4}$ ". Vinyl case. 10 lbs.  
26 C 2535. \$5 Monthly..... 24.95

11-Piece Combination Set. (Not illus.) One end open-end, other end box. Includes:  $\frac{3}{8}$ ",  $\frac{1}{2}$ ",  $\frac{1}{2}$ ",  $\frac{9}{16}$ ",  $\frac{5}{8}$ ",  $1\frac{1}{16}$ ",  $\frac{3}{4}$ ",  $\frac{13}{16}$ ",  $\frac{7}{8}$ ",  $1\frac{1}{16}$ ",  $1$ ". Vinyl roll case.  
26 C 2539. Shpg. wt., 5 lbs... 15.95

**G** 8-Piece Open End Set. Both ends open-end. Includes:  $\frac{1}{4}$ "- $\frac{5}{16}$ ",  $\frac{3}{8}$ "- $\frac{1}{2}$ ",  $\frac{1}{2}$ "- $\frac{9}{16}$ ",  $\frac{19}{32}$ "- $1\frac{1}{16}$ ",  $\frac{5}{8}$ "- $\frac{3}{4}$ ",  $\frac{25}{32}$ "- $1\frac{1}{16}$ ",  $\frac{3}{4}$ "- $\frac{15}{16}$ ",  $1\frac{1}{16}$ "- $1$ ". Case.  
26 C 2536. Shpg. wt., 2 lbs... 9.95



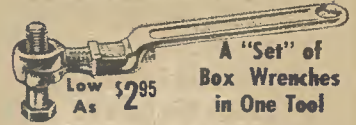
**3-Dimension Magnifiers**  
Low **\$4.95**  
As

Lightweight binocular 3-D magnifiers provide up to  $3\frac{1}{2}$  X magnification. Feature precision ground and polished prismatic lens. Adjustable headband for comfortable fit. You choose from three different magnification powers. Shpg. wt., 1 lb.  
26 C 3616.  $2\frac{1}{4}$  X 10" focus... 4.95  
26 C 3617.  $2\frac{3}{4}$  X 8" focus... 5.95  
26 C 3618.  $3\frac{1}{2}$  X 4" focus... 5.95



**Adjustable Socket Wrench**  
**\$2.49** • Press—Adjusts to Size  
• 7 Sizes:  $\frac{1}{4}$ " to  $\frac{7}{16}$ "

Just press and turn, wrench automatically adjusts to any of seven hex sizes from  $\frac{1}{4}$ " to  $\frac{7}{16}$ ". Durable chrome-plated housing. Shock-proof insulated handle grips easily. Overall length,  $5\frac{3}{4}$ ". Shpg. wt., 8 oz.  
26 C 3279..... 2.49



**A "Set" of Box Wrenches in One Tool**  
Low **\$2.95**  
As

Adjusts from  $\frac{1}{4}$ " to 1". Narrow head for extremely tight spots. Tightly grips even burred and damaged nuts. Forged alloy steel, nickel-chrome finish. 8" handle.  
26 C 2982. Shpg. wt., 8 oz... 2.95

Above, but has 10" handle and adjusts from  $\frac{3}{8}$ " to  $1\frac{1}{8}$ ".  
26 C 2983. Shpg. wt., 14 oz... 4.95

Extra large. Has 12" handle and adjusts from  $\frac{1}{2}$ " to  $1\frac{1}{16}$ ".  
26 C 2984. Shpg. wt., 21 oz... 5.95

## $\frac{1}{4}$ " Drive Socket Set

**\$4.69**



Low priced 11-piece socket set for those small jobs around the house. Consists of: six 6-point sockets— $\frac{1}{4}$ ",  $\frac{9}{32}$ ",  $\frac{5}{16}$ ",  $\frac{11}{32}$ ",  $\frac{3}{8}$ ", and  $\frac{1}{2}$ "; three 8-point sockets— $\frac{1}{4}$ ",  $\frac{3}{8}$ ", and  $\frac{1}{2}$ "; 6" flex handle; metal tool box,  $6\frac{1}{16} \times 2\frac{1}{2} \times 1\frac{1}{4}$ ".  
26 C 1429. Shpg. wt., 1 lb..... 4.69

## $\frac{3}{8}$ " Drive Socket Set

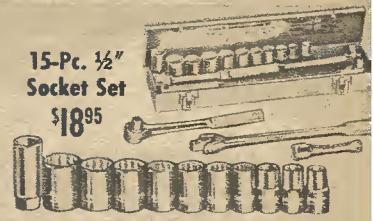
**\$10.95**



For home or shop. Includes: four 6-pt. sockets— $\frac{3}{8}$ ",  $\frac{1}{2}$ ",  $\frac{1}{2}$ ",  $\frac{9}{16}$ "; three 12-pt. sockets— $\frac{3}{8}$ ",  $\frac{1}{2}$ ",  $\frac{5}{8}$ "; socket extension; reversible ratchet; 10" flex handle; metal storage box,  $10 \times 3\frac{3}{8} \times 1\frac{1}{8}$ ". Shpg. wt., 3 lbs.  
26 C 2008..... 10.95

## 15-Pc. $\frac{1}{2}$ " Socket Set

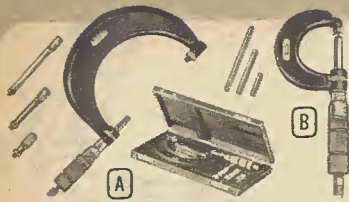
**\$18.95**



Excellent for work around the house. Set consists of: three 6-pt. sockets— $\frac{1}{2}$ " to  $\frac{3}{4}$ "; seven 12-pt. sockets— $\frac{5}{8}$ " to 1";  $\frac{13}{16}$ " sparkplug socket; 5" socket extension; reversible ratchet; 15" flex handle; metal box,  $15\frac{1}{4} \times 4 \times 2$ ".  
26 C 2329. Shpg. wt., 10 lbs. 18.95



# Get the Hand Tools You Need Now



## Central Precision Micrometers

- A** 441 0-4" Range Micrometer. Forged steel frame, satin-chromed barrel. 3 adjustable extensions. Friction stop, spindle lock. Has .001" graduations. Deluxe case. 3 lbs.  
26 C 1211. \$5 Monthly..... 39.50
- B** 1" Micrometer. Positive lock. Accuracy meets government spec GGG-C-105. Forged frame.  
26 C 1060. Wt., 8 oz..... 13.95  
26 C 2287. 1-2" Micrometer..... 15.95

## Contoured Sanders Needle File Set



- C** X-acto 351 Contoured Sanders. Precision sanding in metal, plastic, and wood. Unique kit offers 5 different sanding heads with grip-tight handles. Includes an assortment of precut sheets of plastic-hacked sandpaper.  
26 C 2493. Shpg. wt., 8 oz... 3.95
- D** X-acto 60S-ST Swiss Needle File Set. Set of 12 assorted styles.  
26 C 2519. Shpg. wt., 8 oz... 5.95



## Moody Precision Tiny Tool Set

36 Pieces \$14.95 • 6 Different Sets • Leather-Like Case

6 different sets, each with its own chuck handle, plastic case. 4 screwdrivers (.05", .07", .08", .1"); 1" awl; 2 Phillips screwdrivers (#0, 1); 3 Allen wrenches (#4, 6, 8); OE-5 open-end wrench set and TS-5 tap set, below; SW-5 socket wrench set (nonmagnetic); 5 matching tap drills. Leather-like case. 2 lbs.  
26 C 2022..... 14.95

## Lufkin "Lokmatic" Tape Rules



Lever-Lok, ball-bearing rewind, end hooks,  $\frac{1}{16}$ " graduations. Vinyl and metal case. Width,  $\frac{1}{2}$ " except  $\frac{3}{4}$ ".

Stock No.	Type	Feet	Oz.	EACH
26 C 3045	W728	8	7	1.50
26 C 3046	W7210	10	8	1.73
26 C 3047	W7212	12	8	2.00
26 C 3048	W7312*	12	10	2.83
26 C 3049	W7316*	16	10	3.34

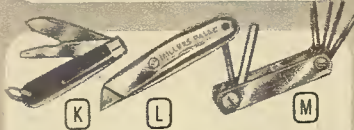
## Drill and Steel-Wire Gauge



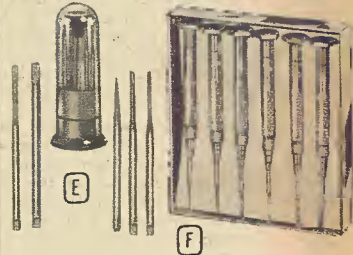
Drill, tap, steel-wire gauge. Gauges and gives decimal equivalents for wire sizes 1 to 60, tap and drill sizes 2-56 to  $\frac{1}{4}$ -28. Shpg. wt., 5 oz.  
26 C 1319..... 1.69



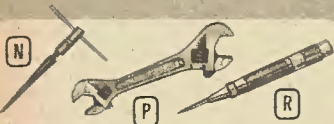
- G** Lufkin White-Clad Tape. 50-ft. steel tape. Black figures on white.  
26 C 1184. Shpg. wt., 1 lb. .... 4.20  
26 C 1185. Above, 100-ft. 2 lbs.. 5.94
- H** 6" Rule and Wire Gauge. Graduated in 32nds and 64ths. Has B & S wire gauge, decimal equivalents.  
26 C 1320. Shpg. wt., 2 oz..... 55¢
- J** Multipurpose 4" Rule. 32nds, 64ths, mm; protractor; square; drill gauge; tape-drill table.  
26 C 1329. Shpg. wt., 4 oz..... 1.47



- K** Ulster K-29W Electricians Knife. Knife, screwdriver, wire scraper. 2  $\frac{1}{2}$ " tool-steel blades.  
26 C 1298. Shpg. wt., 5 oz... 1.49
- L** Millers Falls Utility Knife. Five inches long. Five blades.  
26 C 2655. Shpg. wt.,  $\frac{1}{2}$  lb. 83¢  
26 C 1171. 5 Extra Blades. 2oz. 37¢
- M** Hex-Key Wrench Set. Folds like pocket knife. Hardened nickel-chrome steel.  
26 C 1128. Shpg. wt., 4 oz.... 88¢



- E** SC-5 Screwdriver Set. .055", .070", .080", .100", Awl. Chuck handle. Plastic case. 5 oz.  
26 C 1152..... Per Set 1.29
- OE-5 Open-End Wrench Set. Offset. Steel. Chuck handle  $\frac{3}{4}$ ",  $\frac{5}{16}$ ",  $\frac{3}{32}$ ",  $\frac{7}{64}$ ",  $\frac{1}{8}$ ",  $\frac{5}{32}$ ". Plastic case.  
26 C 1126. Wt.. 5 oz. Per Set 1.64
- TS-5 Tiny Tap Set. Sizes: 0-80, 1-72, 2-56, 3-48, 4-40; handle.  
26 C 1647. Wt.. 5 oz. Per Set 4.95
- BW-5 Magnetic Socket Wrench Set. Magnetized handles.  $\frac{3}{64}$ ",  $\frac{3}{32}$ ",  $\frac{7}{64}$ ",  $\frac{1}{8}$ ",  $\frac{5}{32}$ "; handle, case.  
26 C 2021. Wt.. 5 oz. Per Set 2.59
- F** JS-6 Jeweler's Screwdriver Set. Set has six precision-made jeweler's drivers in a sturdy case. With heat-treated steel blades. knurled handles. Blade sizes are: .025", .040", .055", .070", .080" and .1".  
26 C 1384. Wt., 8 oz... Per Set 2.89



- N** Henry Hanson 120 Hand Reamer. High quality hand reamer  $5\frac{1}{2}$ " long,  $\frac{1}{2}$ "-diameter shank,  $\frac{1}{8}$ " point. Made of high-carbon steel. 9 oz.  
26 C 1390..... 1.49
- P** 6" Adjustable Crescent Wrench. Adjustable both ends; one end  $\frac{1}{2}$ ", other end  $\frac{3}{4}$ ". Shpg. wt., 6 oz.  
26 C 1263..... 2.74
- R** 26 C 1382. Center Punch. 5 oz... 3.49  
26 C 1383. Extra Point. 1 oz.... 47¢



- S** Carsair 12" Combination Square. Try/miter square, depth gauge, plumb, and level. Locks at any point. Shpg. wt., 8 oz.  
26 C 1308..... 84¢
- T** Economy 1" Micrometer. Accuracy to 0.0005" in full-range micrometer. Screw-type anvil permits simplified zero adjustment. Factory adjusted. Japan.  
26 C 2132. Shpg. wt., 8 oz... 4.95



Operates from 12-V battery or 12-14 V AC/DC source. Tip-temperature control. Low power drain, only 2.5 to 2.9 amps, 30-41 W. 700°F  $\frac{3}{16}$ " screwdriver tip, battery clips, 12-ft. cord,  $7\frac{1}{2}$ " long.  
26 C 2168. Shpg. wt., 2 lbs... 9.98



# Xcelite Nutdrivers, Screwdrivers



**\$25<sup>80</sup>** \$5  
monthly

**A** Model 99SA Service Master Tool Kit. Provides a variety of tools and combinations to speed-up work. Kit includes: long-nose pliers; 6" adjustable wrench; 9 regular nutdrivers from  $\frac{3}{16}$ " thru  $\frac{1}{2}$ ";  $\frac{1}{4}$ ",  $\frac{3}{16}$ ",  $\frac{3}{8}$ " stubby nutdrivers;  $\frac{3}{16}$ " and  $\frac{3}{32}$ " slotted screwdrivers; #1 Phillips screwdriver;  $\frac{1}{8}$ " to  $\frac{3}{8}$ " reamer;  $\frac{1}{4}$ " to  $\frac{1}{2}$ " reamer; 8" extension. Vinyl-coated canvas roll-up case.  
26 C 1162. Shpg. wt.,  $2\frac{3}{4}$  lbs. \$5 Monthly.....25.80



**\$11<sup>63</sup>**

**B** Model HS6-18 Hollow-Shaft Nutdriver Set. Ten nutdrivers in a rugged carrying case. Super-tough cold-drawn, case-hardened sockets. High-carbon steel shafts are polished and plated. Shock and breakproof plastic handles color-coded and marked with large numbers. Sizes from  $\frac{3}{16}$ " thru  $\frac{3}{8}$ " in  $\frac{1}{32}$ " steps. Also  $\frac{1}{16}$ ",  $\frac{1}{2}$ ", and  $\frac{9}{16}$ ".  
26 C 1199. Shpg. wt.,  $1\frac{1}{2}$  lbs.....11.63



**\$4<sup>98</sup>**

**C** Model 99PR Screwdriver/Nutdriver Set. A grand total of 14 pieces in a handy roll-up vinyl pouch. Includes: 9 nutdrivers in sizes from  $\frac{3}{16}$ " thru  $\frac{1}{2}$ " in  $\frac{1}{32}$ " steps; 2 single-end screwdrivers,  $\frac{3}{16}$ ",  $\frac{9}{16}$ "; 2 single-end Phillips, Nos. 1 and 2. Shockproof and breakproof Plastic handles. All have heavily chrome-plated shafts and blades to resist corrosion. Shpg. wt., 2 lbs.  
26 C 1259.....9.42

**D** Hondymon's Screwdriver Set. A screwdriver for every job around the house. Six-piece set includes: 2 Phillips head—No. 1, 3" shaft,  $6\frac{3}{8}$ " overall; No. 2, 4" shaft,  $7\frac{3}{4}$ " overall; 4 slotted with round shafts— $\frac{1}{8} \times 4$ " shaft,  $6\frac{1}{2}$ " overall;  $\frac{1}{4} \times 4$ " shaft, 8" overall;  $\frac{3}{16} \times 4$ " shaft,  $7\frac{5}{8}$ " overall;  $\frac{5}{32} \times 5$ " shaft, 7" overall. Plastic handles. With carrying case.  
26 C 3146. Shpg. wt., 14 oz.....4.98

## Allen Wrench, Nutdriver, Screwdriver Sets



**\$6<sup>75</sup>**



**\$4<sup>20</sup>**



**\$5<sup>85</sup>**

**E** 99PS-40 Allen Screwdriver Set. Includes breakproof handle; 4" extension; 9 blades,  $\frac{3}{64}$ " to  $\frac{3}{32}$ " in  $\frac{1}{64}$ " steps, also  $\frac{3}{16}$ ".  
26 C 1757. Wt., 12 oz.....6.75

**F** PS88 Screwdriver Set. 5 slot-tip types from  $\frac{3}{32}$ " to  $\frac{1}{4}$ "; 3 Phillips drivers, #0, #1, #2; 1x $3\frac{1}{8}$ " standard handle.  $3\frac{1}{2}$ " drivers.  
26 C 2579. Wt., 11 oz.....4.20

**G** PS120 Nutdriver Set. Includes: 10 color-coded drivers from  $\frac{3}{32}$ " to  $\frac{3}{8}$ " in  $\frac{1}{32}$ " steps.  $3\frac{1}{2}$ " drivers. Plastic case fits pocket.  
26 C 2194. Wt., 11 oz.....5.85

**H** 99PS-50 Set. Six  $3\frac{3}{8}$ " nutdrivers,  $\frac{9}{16}$ " to  $\frac{3}{8}$ ";  $\frac{3}{16}$ ",  $\frac{1}{4}$ " slot, #1, #2 Phillips screwdrivers. 4" extension, handle, case.  
26 C 2039. Wt., 12 oz.....8.55

**J** HSC-1 Nutdriver Set. Eight  $4\frac{1}{8}$ " nutdrivers with hollow shaft to accommodate screwdriver.  $\frac{3}{16}$ " to  $\frac{3}{8}$ ". Break- and shockproof handle-case.  
26 C 2040. Wt., 12 oz.....8.85

## Set-Screw, Phillips, Round-Shaft Screwdrivers



**K** Set-Screw Type Screwdrivers. 2 oz.

Stock No.	Type	Shaft Size		O'all Lgth.	EACH
		Dia.	Lgth.		
26 C 1129	R-3323SS	$\frac{3}{32}$ "	3"	5"	.36
26 C 1136	R-184SS	$\frac{1}{8}$ "	4"	6"	.45



**L** Phillips Screwdrivers. \*Pocket clip. 6 oz.

26 C 1223	P-125*	No. 0	2"	4"	.45
26 C 1155	X-108	No. 1	6"	10"	.90
26 C 1156	X-102	No. 2	4"	$7\frac{3}{4}$ "	.96
26 C 1158	X-103	No. 3	6"	10"	1.35



**M** Round-Shaft Screwdrivers. 5 oz.

26 C 1142	R-182	$\frac{1}{4}$ "	2"	$4\frac{1}{2}$ "	.39
26 C 1147	R-184	$\frac{1}{8}$ "	4"	$6\frac{1}{2}$ "	.45
26 C 1148	R-186	$\frac{1}{8}$ "	6"	$8\frac{1}{2}$ "	.51
26 C 1150	R-188	$\frac{1}{8}$ "	8"	$10\frac{1}{2}$ "	.60
26 C 1279	R-144	$\frac{1}{4}$ "	3"	8"	.93
26 C 1280	R-146	$\frac{1}{4}$ "	6"	10"	1.02
26 C 1281	R-148	$\frac{1}{4}$ "	7"	12"	1.08
26 C 3281	R-3163	$\frac{3}{16}$ "	3"	$6\frac{5}{8}$ "	.66
26 C 3282	R-3164	$\frac{3}{16}$ "	4"	$7\frac{5}{8}$ "	.72
26 C 3283	R-3166	$\frac{3}{16}$ "	6"	$9\frac{5}{8}$ "	.75
26 C 3284	R-3168	$\frac{3}{16}$ "	8"	$11\frac{5}{8}$ "	.87

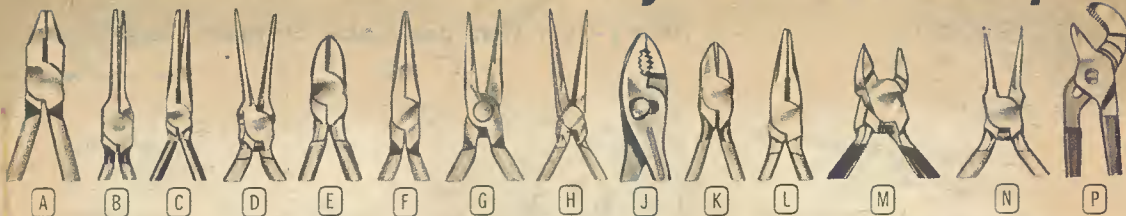


**N** Color-Coded Hex Nutdrivers. Standard-type with lightweight hollow shafts. Types HS-6, 7 are  $6\frac{1}{8}$ " long overall. Types HS-8, 9, 10, 11, and 12 are 7" long overall. Types HS-14, 16, and 20 are  $7\frac{1}{4}$ " long overall. Shpg. wt., 6 oz.

Stock No.	Mfr's Type	Hex Size	Color	EACH
26 C 1648	HS-6	$\frac{3}{16}$ "	Black	.99
26 C 1649	HS-7	$\frac{7}{32}$ "	Brown	.99
26 C 1264	HS-8	$\frac{1}{4}$ "	Red	.99
26 C 1646	HS-9	$\frac{9}{32}$ "	Orange	.99
26 C 1265	HS-10	$\frac{5}{16}$ "	Amber	.99
26 C 1266	HS-11	$\frac{11}{32}$ "	Green	.99
26 C 1267	HS-12	$\frac{3}{8}$ "	Blue	.99
36 C 1268	HS-14	$\frac{7}{16}$ "	Brown	1.14
26 C 1269	HS-16	$\frac{1}{2}$ "	Red	1.14
26 C 1271	HS-20	$\frac{5}{8}$ "	Amber	1.35



# Pliers and Tools for Every Home Workshop



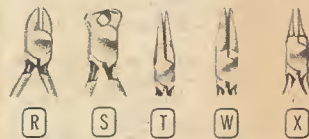
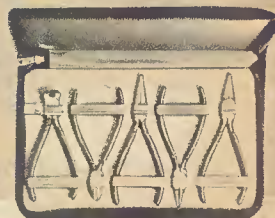
## PRECISION PLIERS, CUTTERS FOR ANY APPLICATION

Professional-Quality **ALLIED** Pliers and Cutters

Drop forged from high-grade tool steel and heat treated for optimum temper. Vinyl cushion grips for safety and comfort. All carry one year guarantee against breaking. \*Has cross coil spring. Made in U.S.A. to our specifications.

Stock No.	Fig.	Length	Description	Wt., oz.	EACH	
					1-4	5-Up
26 C 2900	A	6 1/2"	Electrician's Side Cutting Pliers	8	2.79	2.51
26 C 2901	A	8"	Electrician's Side Cutting Pliers	16	3.49	3.14
26 C 2908	B	6"	Long Needle or Snip Nose Pliers	6	2.54	2.29
26 C 2912	C	7"	Extra Long Chain Nose Cutting Pliers	6	3.62	3.27
26 C 2915	D	6"	*Long Nose Pliers	3	3.25	2.92
26 C 2902	E	4 1/2"	Diagonal "Oblique" Cutting Pliers	2	2.49	2.25
26 C 2903	E	5"	Diagonal "Oblique" Cutting Pliers	3	2.59	2.33
26 C 2904	E	6"	Diagonal "Oblique" Cutting Pliers	3	2.79	2.51
26 C 2910	F	6"	Long Chain Needle Nose Pliers	3	2.25	2.03
26 C 2909	F	6"	Long Chain Needle Nose Pliers	3	2.82	2.55
26 C 2913	G	5"	*Radio and Ignition Nose-Cutting Pliers	3	2.98	2.68
26 C 2916	H	7"	*Extra Fine Long Nose Pliers	3	2.99	2.69
26 C 2924	J	6"	Satin Finish Combination Pliers	5	.79	.71
26 C 2925	J	8"	Satin Finish Combination Pliers	9	1.09	.98
26 C 2926	J	6"	Satin Finish Thin Nose Combination Pliers	5	.89	.80
26 C 2905	K	4 1/2"	Diagonal Needle Point Cutting Pliers	2	2.74	2.47
26 C 2906	K	5"	Diagonal Needle Point Cutting Pliers	3	2.87	2.58
26 C 2907	K	6"	Diagonal Needle Point Cutting Pliers	3	3.42	3.08
26 C 2911	L	5"	Short Chain Needle Nose Cutting Pliers	3	2.62	2.36
26 C 2914	M	5"	*Slim Nose Pliers	3	3.39	3.05
26 C 2917	N	4 1/2"	*Needle Point Diagonal Flush Cut Pliers	6	3.45	3.10
26 C 2927	P	10"	Tongue-and-Groove Utility Pliers	16	2.49	2.24

## ALLIED Jeweler's Plier Set



- Drop Forged Fine Grain Tool Steel
- Comfortable Vinyl Cushion Grips
- Zippered, Leatherette Carry Case

Set of five professional 4 1/2" precision pliers (also sold individually below). Crack and peel-proof vinyl cushion grips. Smooth polished head and handle, drop forged fine grain tool steel Fig. R for close cutting. Fig. S for end cutting. Figs. T, W, X have smooth jaws. Shpg. wt., 1 1/4 lbs. (Av. wt. of individual pliers, 5 oz.)  
 26 C 2918. 1-2 Sets..... Each 13.95  
 3 Sets Up..... Each 12.95

### Ratchet 14-Pc. Screw/Nutdriver Set

Features 3-way ratchet handle to speed work. Includes: seven nut-drivers, 3/16" to 1/2"; No. 1 and No. 2 Phillips-head screwdrivers; three slotted screwdrivers; plus 5" blade extension. In handy see-thru plastic pouch. Shpg. wt., 2 lbs.  
 26 C 2236..... 12.39

### New Vaco Ratchet-Drivers

\$12<sup>39</sup>



### Ratchet 7-Piece Nutdriver Set

Hollow 3-way ratchet handle speeds-up nut setting on radio, TV applications, assembly-line work. Five nut-drivers from 1/4" to 1/16"; 5" extension blade. Deluxe plastic case, 10x7 1/2 x 1 3/4". Shpg. wt., 1 1/2 lbs.  
 26 C 2237..... 8.39

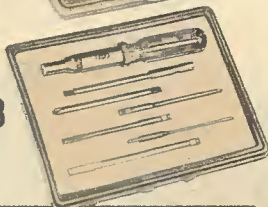
\$8<sup>39</sup>



### Ratchet 8-Piece Screwdriver Set

Hollow 3-way ratchet handle simplifies and speeds-up shop and home repairs, assembly. Set includes: three slotted blades (1/8"x4", 3/16"x4", 1/4"x5"); No. 1 Phillips, No. 2 Phillips; 5" blade extension. In deluxe plastic case, 10x7 1/2 x 1 3/4".  
 26 C 2238. Wt., 1 1/2 lbs..... 6.98

\$6<sup>98</sup>



### New 5-Piece Plier Set

Tempered forged steel with polished heads, shoulders, insulated handles. Set includes: 4 1/2" duckbill; 5" long-nose; 5" bent long-nose; 4 1/2" long-nose cutter; and 4 1/2" diagonal cutting pliers. Roll-up pouch. Japan.  
 26 C 2131. Wt., 1 lb..... 8.95

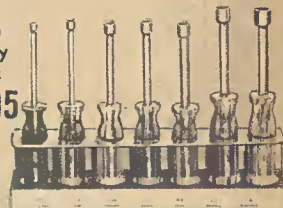
5-Pc. Set  
\$8<sup>95</sup>



### INDIVIDUAL JEWELER'S PLIERS

Stock No.	Fig.	Description	EACH	
			1-2	3-Up
26 C 2919	R	Diag. Cutter	2.65	2.38
26 C 2920	S	End Cutter	2.98	2.68
26 C 2921	T	Chain Nose	2.38	2.14
26 C 2922	W	Flat Nose	2.49	2.24
26 C 2923	X	Round Nose	2.49	2.24

With Sturdy Rack  
\$6<sup>95</sup>



### ALLIED 8-Piece Nutdriver Set

Seven hex drivers, 3/16" to 1/2", in supporting rack. Color-coded handles, with nickel-chrome plated drivers. Made of drop forged tool steel, heat treated for maximum hardness. Shafts 6/16", except 6/16" on 1/16" and 1/8" drivers. Shpg. wt., 1 3/4 lbs.  
 26 C 1787..... 6.95



# Fine Quality Precision Tools for Home or Shop

## Heavy-Duty Wire and Cable Strippers/Bolt Slicer



### Ace 40-Piece Tap and Die Set

**\$26<sup>50</sup>** • Includes All Popular Sizes  
• Hi-Tempered Alloy Steel  
**\$5 monthly** • Unbreakable Plastic Case

A complete set of taps and dies, plus all essential accessories in a compact storage case. All popular sizes.

Consists of one each, tap and die: 4-36, 6-32, 8-32, 10-24, 10-32, 12-24 (Machine Screw Standard); 1/4"-20, 5/16"-18, 3/8"-16, 1/2"-14, 5/8"-13 NC (U.S. Standard); 1/4"-28, 5/16"-24, 3/8"-24, 7/16"-20, 1/2"-20 NF (S.A.E. Standard); 1/8" pipe.

Also includes die stock, tap and reamer wrench. "T" tap wrench, screwdriver, and pitch gauge. High-tempered alloy steel. Unbreakable plastic case with recessed pocket for each part.

26 C 1391. Wt., 4 lbs. **\$5 Monthly 26.50**  
26 C 2848. S35P Screw Extractor Set. With extractor Nos. 1, 2, 3, 4, 5. Use with 1/4" drill. 5 oz. .... 1.98



### Greenlee Chassis Punches

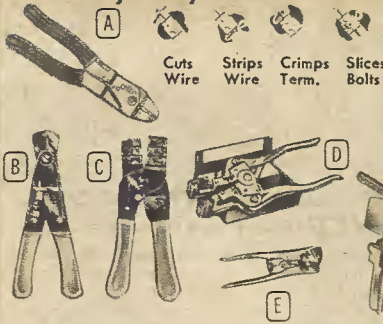
Type 730 Round Punch. Cuts holes in chassis, cabinets and panels. Cuts up to 16-gauge metal, bakelite, hard rubber. Shpg. wt., 1 1/2 lbs.

Stock No.	Hole Size	Lead Size	EACH
26 C 1337	1/2"	1/2"	2.70
26 C 1349	5/8"	1 1/4"	2.70
26 C 1306	1 1/8"	3 3/8"	2.70
26 C 1340	1 1/4"	3 3/8"	2.70
26 C 1342	1 1/2"	3 3/8"	2.70
26 C 1343	1"	3 3/8"	3.00
26 C 1344	1 1/8"	3 3/8"	3.15
26 C 1347	1 1/4"	3 3/8"	3.15
26 C 1327	2"	3 3/4"	7.80

**Bolt-Bearing Drive Screws.** Minimize effort needed to operate punches. Reduce drive screw, punch friction. 1 lb. 26 C 1604. AV322-BB. 1 1/16" to 1/8". 1.10  
26 C 1605. AV112-BB. 1" to 1 1/2". 1.20  
26 C 1169. AV304-BB. 2" punch... 2.90

**Replacement Cap Screws.** For all punches above.

Stock No.	Size	For Punch Size	EACH
26 C 1376	1/4"	1/2" and 3/8"	.29
26 C 1378	3/8"	1 1/8" to 1/4"	.29
26 C 1336	3/4"	1" to 1 1/4"	.34



**A** Vaco 1963 Wire Cutter/Bolt Slicer. Cuts, strips 22 to 10 gauge wire; crimps insulated, non-insulated terms. Slices 6 bolt sizes: 4-40, 5-40, 6-32, 8-32, 10-32, 10-24. 26 C 2048. Wt., 1 lb. .... 4.85

**B** K. Miller 101-S Wire Stripper. Strips, cuts wire up to No. 8. Spring-lock holds blades closed when not in use. 5-inches long overall. 26 C 1392. Shpg. wt., 4 oz. .... 1.27

**C** K. Miller Coaxial Cable Stripper. Strips, cuts and slits cable. Has adjustable blades for RG59U coaxial cable. Shpg. wt., 8 oz. 26 C 1339. .... 13.75

**D** G-C Wire Stripper Kit. Includes Model 766 wire stripper; 7 blades. For No. 8 to 30 gauge wire. Plastic case. Wt., 2 1/4 lbs. 26 C 1389. .... 13.16  
26 C 1387. 766. Stripper Alone. For 12-20 wire. Wt., 1 1/4 lbs. .... 5.93  
26 C 1388. 766A. Stripper Alone. For 14-30 wire. Wt., 1 1/4 lbs. .... 5.93

**E** G-C 802 Wire Stripper. Automatic stop, return. Has wire cutter. For No. 10-22 wires. 8 oz. 26 C 1341. .... 5.93

**F** Blonder-Tongue Coaxial Cable Stripper. Strips cable up to 1/2-inch diameter. Scale for exact stripping measurements. Uses single-edge razor blade. Holds cable under spring tension. Heavy steel construction. 26 C 2169. Shpg. wt., 4 oz. .... 3.45

**G** Ufco SW-1 "Stripwright" Wire Stripper. Strips Teflon® and many other insulations. Positive cam-action adjust to correct wire sizes from No. 12 to No. 26. The ideal stripping tool for limited access areas. Shpg. wt., 7 oz. 26 C 1680. .... 15.71



## Precision High-Speed Drill Bits

**H** 15-Drill Set. 1/16" to 1/2" in 32nds. Steel index. 26 C 2137. Wt., 2 1/4 lbs. .... 14.50  
21-Drill Set. 1/16" to 3/8" in 64ths. Steel index. Wt., 1 3/4 lbs. 26 C 2173. .... 12.50

29-Drill Set. 1/16" to 1/2" in 64ths. Steel index. Wt., 3 3/4 lbs. 26 C 2200. .... 24.99

60-Number Size Drill Set. Sizes 1 to 60. Steel index. Wt., 1 1/4 lbs. 26 C 3244. .... 17.99

5-Piece Drill Set. 1/4" shank. Sizes: 1/4, 5/16, 3/8, 7/16, 1/2. Plastic pouch. Shpg. wt., 5 oz. 26 C 2208. .... 7.95

10-Piece Drill Set. 1/16, 5/64, 3/32, 1/4, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4". Steel index. Wt., 5 oz. 26 C 2254. .... 3.79

13-Drill Set. 1/16 to 1/4" in 64ths. Steel index. Wt., 8 oz. 26 C 2277. .... 4.99

17-Drill Set. 1/16 to 1/4" in 64ths; 5/16, 3/8, 7/16, 1/2". 1/4" shank. Steel index. 26 C 2289. Wt., 2 lbs. .... 11.95

12-Piece Drill Set. Sizes from 1/16" to 1/4" in 64ths. Includes center punch. With roll-up pouch. 26 C 3238. Shpg. wt., 9 oz. .... 4.89

13-Piece Drill Set. 1/16" to 1/2" in 32nds. Drill sizes over 1/4" have 1/4" shank. With roll-up pouch. 26 C 3239. Shpg. wt., 3 lbs. .... 13.50

**J** Masonry Set. 1/4", 5/16", 3/8", 1/2". Sizes over 1/4" have 1/4" shanks. 26 C 3248. Shpg. wt., 5 oz. .... 3.98

**K** Miniature Set. Twenty drills from No. 61 (.039") to No. 80 (.0135"). 26 C 2291. Shpg. wt., 6 oz. .... 7.95

**L** General Hardware Circle Cutters. Round shanks fit drill press, square shanks fit hand brace. Pilot drill keeps circle cutter centered. Cuts wood, plastic, steel. 8 oz.

Stock No.	Shank	Hole Size	EACH
26 C 1245	Round 1/4"	7/8-4"	1.86
26 C 1246	Square	1-6"	2.30
26 C 1247	Round 3/8"	1-6"	2.30
26 C 1224	Round 1/2"	1-6"	2.30
26 C 1225	Round 1/2"	1 1/4-8"	4.74

26 C 1248. Extra Blades for Circle Cutters. Av. wt., 4 oz. .... Each 52¢



# Tool Boxes, Vises and Staplers



**PARK**

**\$295** Full-Length Integral Hinge

**\$349** All-Metal Welded Construction

**VLCHEK**

Low As **\$298**

## Metal and Plastic Tool and Utility Boxes

- A** Park Type 132 Metal Tool Box. All-purpose box for tackle, tools, sewing. Two cantilever trays. Enamel finish.  $5\frac{3}{4} \times 13\frac{1}{2} \times 6\frac{1}{2}$ ". 26 C 3152 X. Shpg. wt., 5 lbs. .... 2.95
- Type 131. Above, one tray.  $4\frac{1}{2} \times 13\frac{1}{2} \times 6\frac{1}{2}$ ". 26 C 3153 X. Shpg. wt., 3 lbs. .... 1.95
- B** Park Type 151-T. Metal, for hand tools. Lift-out tray. Heavy-gauge steel, full-length hinge, clasp lock. Edges turned, welded. Baked enamel.  $4\frac{1}{8} \times 15\frac{1}{2} \times 6$ ". 26 C 3660 X. Shpg. wt.,  $4\frac{1}{2}$  lbs. .... 3.49

- C** Vlchek Model 1212 "Crush-proof" Plastic Tool Box. Guaranteed unbreakable. Has two trays, with 14 compartments. Top and bottom open flat, cannot tip. Unbreakable polypropylene. Rustproof hardware. Green.  $6 \times 12\frac{3}{8} \times 7$ ". 26 C 1772 X. Wt.,  $2\frac{1}{2}$  lbs. 3.98
- Model 1211. Above, but one tray. Green.  $4\frac{3}{8} \times 12\frac{3}{8} \times 7$ ". 26 C 3156 X. Wt., 2 lbs. .... 2.98



**ARROW**  
**\$14.95**

**T-50MP Complete Stapling Kit**  
Features heavy-duty T-50 stapler with powerful double-leverage action, jam-proof mechanism. Mend screens and window shades; fasten ceiling tile, wire; hang party decorations—hundreds of uses. Includes: T-50 staple gun; screen; shade attachments; staple lifter; 2000— $\frac{1}{4}$ ", 1000— $\frac{3}{8}$ ", 1000— $\frac{1}{2}$ " staples; 1000 Ceil-Tile staples. T-50 uses  $\frac{1}{4}$ " to  $\frac{1}{16}$ " staples. Order extra staples below.  
26 C 1466. Kit. Wt.,  $4\frac{3}{4}$  lbs. 14.95  
26 C 2653. T-50 Staple Gun Alone. Shpg. wt.,  $2\frac{1}{4}$  lbs. .... 10.95



**\$7.95**  
**\$4.79**

**\$13.95**

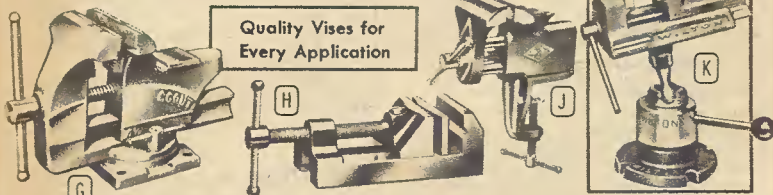
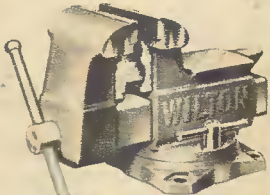
- D** JT-21 JR. Low-priced stapling gun. Safety lock handle, staple extractor, visual refill aid. Loads 100—.025 staples.  $3\frac{1}{2} \times 6\frac{1}{8} \times \frac{3}{4}$ ". Order staples below.  
26 C 1249. Wt., 1 lb. .... 4.79
- E** T-55. Medium-duty gun. Similar to T-50. Non-pinch, easy-grip handle. Order staples below.  
26 C 2307. Wt., 2 lbs. .... 7.95

## Bench Vises for Home, Shop and Electronic Work

### Wilton Vises for Home Workshops

All-purpose vise features replaceable cap jaws, reinforced forming horn, swivel base, polished anvil, serrated steel replaceable top jaws. Also,  $\frac{3}{16}$ " formed steel slide. Grey finish. \*Indicates pipe capacity.

Stock No.	Mfr's Type	Jaw Width	Max. Open	*	Wt. Lbs.	EACH
26 C 2315 X	643½	3½"	4"	¼-2"	19	12.45
26 C 2316 X	644	4¼"	4½"	¼-2½"	26	18.95
26 C 2318 X	645	5"	5½"	¼-2½"	34	21.55

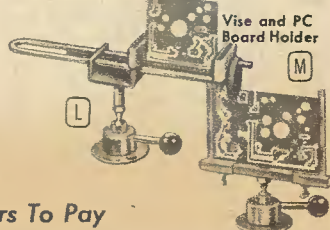


Quality Vises for Every Application

- G** Wilton C55. Serrated inserts, pipe jaws. Swivels. Anvil. Jaws,  $4\frac{1}{2}$ " w., 3" d., open  $4\frac{1}{2}$ ". 26 C 1489 X. Shpg. wt., 19 lbs. .... 7.95
- 26 C 2203 X. C53½. Above,  $3\frac{1}{2}$ " jaw. 11 lbs. 5.49
- H** Millers Falls Deluxe 217. Use on drill press, work bench. Jaws,  $2\frac{3}{8}$ " wide; faces extend to  $3\frac{3}{8}$ ". Swivel jaw. 26 C 1321. Shpg. wt., 5 lbs. .... 8.99
- J** Brink and Cotton 149 Hobbyist. Holds small parts. Clamps to bench up to  $1\frac{3}{4}$ " thick. Jaws,  $1\frac{3}{8}$ " wide; open to  $1\frac{3}{4}$ ". 26 C 1317. Shpg. wt.,  $2\frac{3}{4}$  lbs. .... 1.89

- K** Wilton Model 364 Vise and Positioner. The most convenient tool you have ever used for holding small parts. Single-handed control of "PowRarm" positioner leaves one hand free, permits rotating or tilting of work. Maximum work weight, 15 lbs. at 6-inches. Jaws open to  $2\frac{1}{4}$ -inches and are  $2\frac{1}{4}$ -inches wide. Shpg. wt., 5 lbs. 26 C 1149. .... 16.95

- L** Wilton Model 353 Electronics Vise with Positioner. For small PC boards, etc. Rubber-covered jaws. Bars adjust to  $6\frac{1}{2}$ ". 26 C 2210. Shpg. wt., 3 lbs. .... 14.95
- M** Wilton Model 371 PC Holder and Positioner. Brackets adjust horizontally 3" to 6". Vertical posts are V-grooved ( $\frac{1}{8}$ " wide,  $\frac{3}{16}$ " deep). Post height, 4". 26 C 2211. Shpg. wt., 2 lbs. .... 11.95



Vise and PC Board Holder

### Wire and Cable Staplers

- F** T-75. Heavy-duty gun handles up to  $\frac{1}{2}$ " wire, cable, tubing. Flat crown staples hold firmly. Tapered striking edge for close corners. Order staples below  
26 C 2314. Wt.,  $2\frac{1}{4}$  lbs. .... 13.95
- 26 C 1467. T-25 Wire Stapler. For low-voltage  $\frac{1}{4}$ " wire. Grooved blade positions wire.  $2\frac{1}{4}$  lbs. 13.95

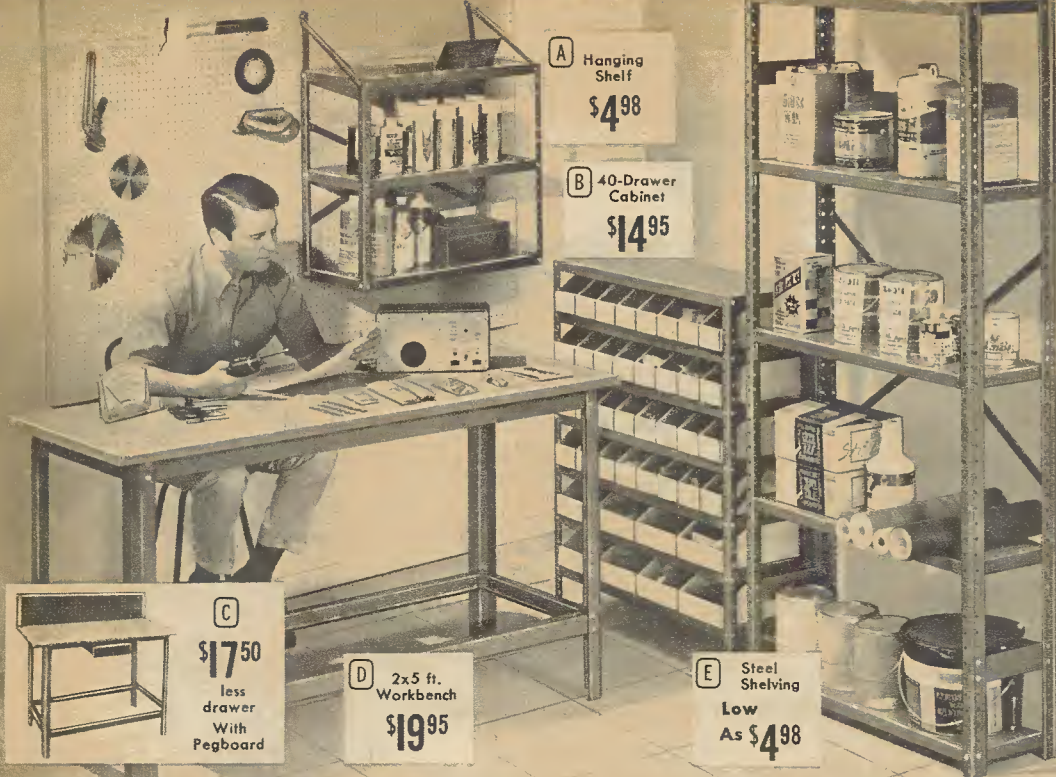
Arrow Gun Staples. \*Indicates ceiling tile for T50, T55. Wt., 1 lb.

Stock No.	For Model	Size	Quantity	EA.
26 C 2337	T50, T55	¼"	5000	2.13
26 C 1273	T50, T55	¾"	5000	2.34
26 C 2343	T50, T55	½"	5000	2.76
26 C 2654	T50, T55	¼"	5000	3.19
26 C 2344	JT-21	¼"	5000	2.65
26 C 2365	JT-21	¾"	5000	2.65
26 C 2366	T-25	¾"	5000	3.40
26 C 2387	T-25	¾"	5000	3.83
26 C 2390	T-75	¾"	1000	1.91
26 C 2409	T-25	¾"	1000	1.91
26 C 2410	T-75	¾"	1000	2.13

No Money Down . . . Up to Two Years To Pay

**ALLIED 275**





**A** Hanging Shelf  
\$4.98

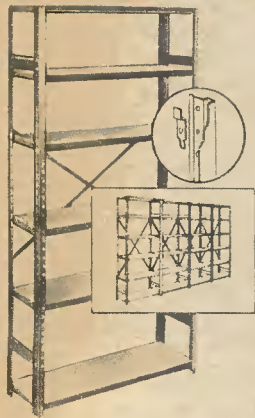
**B** 40-Drawer Cabinet  
\$14.95

**D** 2x5 ft. Workbench  
\$19.95

**E** Steel Shelving  
Low As \$4.98

**C** \$17.50  
less drawer  
With Pegboard

## EDSAL Workshop Equipment



"Kwik-Klip" for Easy Shelf Adjustment

Stack Them in Rows

Low As \$9.95

### A Steel Hanging Shelf

A heavy-duty, all-steel hanging shelf for off the floor storage in garages, basements, workshop areas. Quickly assembled and hung on easy-to-mount wall brackets. Gray baked enamel finish. 12x30x25" high. Knocked down. 26 C 1942 X. Wt., 16 lbs. .... 4.98

### B Multi-Drawer Cabinets

**40-Drawer Cabinet.** Holds everything from small tools to electronic components. Features 32 big 4x11" and 8 jumbo-sized 8x11" drawers. One-piece drawers of sturdy corrugated-board construction. Special stop-tab keeps drawers from being pushed in or pulled out too far. All-steel frame 37x36x12". Shpd. knocked-down. 26 C 2145 Z. Wt., 37 lbs. .... 14.95

**15-Drawer Cabinet.** Similar to above, but with 12 drawers 4x11", 3 drawers 8x11". Overall size: 26x21x12". Shpg. wt., 24 lbs. 26 C 2470 Z. .... 6.98

### 2x4-Ft. Steel-Frame Bench

**C** 2x4-ft. workbench has full-length pegboard tool and parts rack with enough room for a complete tool assortment. Has space for two storage drawers (not included, listed below). Work surface is 34 1/2" from floor. Gray enamel finish. Knocked down. 26 C 1523 Z. Shpg. wt., 70 lbs. .... 17.50

**Steel Storage Drawer.** Easily attached to either workbench listed above. Gray enamel finish. 3x12x20" deep. Shpg. wt., 12 lbs. 26 C 1524 X. .... 3.19

### 2x5-Ft. Steel-Frame Bench

**D** 2x5-ft. deluxe workbench features a full 10 square feet of working space. Can support over 200 lbs. per sq.-ft. 1" No-Mar top and sturdy one-piece heavy-gauge welded steel legs that take rough use in stride. Accommodates two drawers (not included, listed below left). Work surface 34 1/2" from floor. Gray baked enamel steel parts fight rust and corrosion. Knocked down. Shpg. wt., 76 lbs. 26 C 2563 Z. \$5 Monthly. .... 19.95

### E All-Steel Storage Racks

Sturdy, all-steel storage racks ideal for storing bulky and oversize items, paint cans, bottles, cartons, etc. Medium-weight, each shelf holds up to 300 lbs. Height between shelves is adjustable on 1 1/2" centers. Each shelf is held firmly in place by 8 bolts (supplied). Special rust and corrosion-resistant finish. Order extra shelves from tables below.

#### Storage Racks

Stock No.	No. Shelves	HxWxD	Wt., Lbs.	EACH
26 C 3262 U	4	60x30x12"	19	4.98
26 C 3263 U	5	66x30x12"	22	5.95
26 C 3256 U	5	73x36x12"	32	7.49
26 C 3257 U	5	73x36x18"	41	9.49

#### Extra Shelves for Above Racks

Stock No.	For Use With	Wt., Lbs.	EACH
26 C 3264 X	60" and 66" Units	2	1.49
26 C 3258 X	73x36x12" Units	3	1.59
26 C 3259 X	73x36x18" Units	6	1.99

### Deluxe All-Steel Racks

All-purpose utility racks with hundreds of practical applications in home or industry. Assembles with simple hand tools—just bolt tops and bottoms together. "Kwik-Klip" fasteners secure the shelves to the frame, making each shelf completely and individually adjustable. Mounting holes in posts are at convenient 1" intervals. Each heavy-duty shelf supports up to 500 lbs. Rack has 5 shelves with upright brackets. Overall height: 75", width 36". Rust resistant Gray enamel. Knocked down.

With 12" Deep Shelves.  
26 C 1783 U. Wt., 47 lbs. .... 9.95  
26 C 1784 Z. With 18" Deep Shelves. Shpg. wt., 60 lbs. .... 12.95  
26 C 1781 X. 12" Shelf. 6 lbs. .... 1.69  
26 C 1782 X. 18" Shelf. 8 lbs. .... 2.19



# PARK Boxes for Parts and Tools

## A 3-Drawer Machinists Chest

P-23N. 1 Drawers have full-suspension slides; lock when cover is closed. Pushing drawer closed locks drawer even if cover is closed. 4"-high till in top for large tools. Drawers are each 1½" high. Full-length hinge. Electrically welded. Silicone-treated baked green finish. 10¼x20x8½". 18 lbs.

26 C 2506 X. . . . . 12.95

P-22. As above, 2 drawers 9¾" high. 26 C 2149 X. Wt., 16 lbs. . . . . 11.95

## B 4-Tray Tool Box

2180. Four cantilever-mounted trays, 2 partially-partitioned. Storage space below trays. Welded seams, integral full-length hinge. 2 draw-bolts plus padlock eye. 10x21x8½". Silicone-treated baked green. 13½ lbs.

26 C 2144 X. . . . . 11.95

26 C 1774 X. 1780. As above, but 10x17x8½". 11 lbs. . . . . 10.95

## C Mechanics Tool Box

18-C. Partitioned cantilever tray for small parts, and space for tools below tray. Integral full length hinge. Sturdy drawbolt can be padlocked. Baked green enamel. 8x18x9". Sbbg. wt., 9 lbs.

26 C 3150 X. . . . . 5.95

## REM LINE



F \$5250



G \$7995

## 3-Drawer Roller Cabinet

F 9002. Wrap-around construction, 4" composition casters. 16-gauge base. Flush-to-front drawers, 21½" wide, 16¾" deep. Two drawers 2½" high; one, 5⅝". Panel compartment, 26¼x12¼". Lock, keys. 32¾x26¾x17". 93 lbs.

26 C 3947 Z. \$5 Monthly. . . 52.50

## 7-Drawer Roller Cabinet

C 9502. Two top drawers, 10½x16¾x13¼". Others, 21½" wide, 16¾" deep. Height, two, 1¾", two, 27⅞", one, 4½". Panel compartment, 26¼x12¼x17". I-beam slides; chrome plated pulls. Lock, keys. Red-enamel. 38x26¾x17". 121 lbs.

26 C 3949 Z. \$5 Monthly. . 79.95

## 12-Drawer Tool Chest

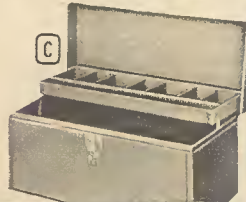
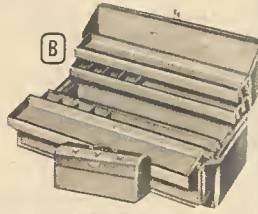
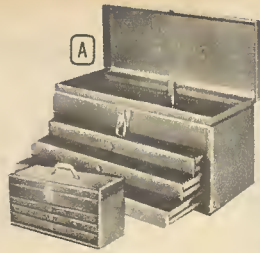
H 1160. Six drawers, 1¾x5½x12½"; three, 1¾x11¼x12½"; two, 1¾x23⅝x12½"; one, 3¾x23⅝x12½". I-beam slides, positive stops. Divided tray. Lock, keys. Rolled steel, spot-welded. Charcoal finish. 19⅝x26x12⅝". 85 lbs.

26 C 3945 Z. \$5 Monthly. . 69.95

## 6-Drawer Tool Chest

J 1100. Two drawers, 1¾x5⅛x12½"; one, 1¾x11¼x12½"; two, 1¾x23⅝x12½"; one, 3¾x23⅝x12½". Top full-width drawer is divided; divided tote tray. Lock, keys. Red-enamel drawers, charcoal finish. 15⅝x26x12⅝". 61 lbs.

26 C 3932 Z. \$5 Monthly. . 43.50



Model 1000

## Park Heavy-Duty Machinists Chests

Low As \$2995 \$5 monthly

- Built to Last a Lifetime
- Felt-Lined Drawers
- Pin-Tumbler Chest Lock

Model 1000. Stores, protects precision tools. Ideal for machinists, electronics and automotive workers. Full-suspension drawer slides allow full extension; drawers remove for cleaning. Removable front panel locks when cover is closed, stores in bottom compartment when open. One-piece drawbolts, plus pin tumbler lock. Till in top, 4x20x8½". 6 drawers are 1x8⅝x7½". 4 others: 2x8⅝x7½"; 1⅝x18¼x7½"; 2⅝x18¼x7½"; 3x18¼x7½". Electrically welded heavy-gauge steel. Brown baked enamel finish. 17½x20x8½".

26 C 2507 U. Wt., 40 lbs. \$5 Monthly. . . . . 32.50

26 C 2508 U. 700. As above, but has 7 drawers. 4 drawers are 1x8⅝x7½". 3 others: 2x8⅝x7½"; 1⅝x18¼x7½"; 2⅝x18¼x7½". Size, 13¼x20x8½". Wt., 30 lbs. . . . . 29.95

D 26 C 3712 X. 2-Drawer Add-On Chest. For either above. 7¾x20x8½". Wt., 15 lbs. . 12.95

E 26 C 3739 X. 3-Drawer Add-On Chest. For either above. 7¾x20x8½". Wt., 16 lbs. . 14.95

## REM LINE

12 Drawers \$6995



6 Drawers \$4350

J

Use Allied's Credit Fund Plan to Buy Anything in This Catalog

ALLIED 277



# Adjustable Home and Office Lamps



With Tubes  
**\$25<sup>95</sup>**  
\$5 monthly

- Twin-Bulb
- Raise or Lower with a Touch

## Fluorescent Desk Lamp

**Luxa FL-1.** Twin-light fluorescent lamp that's ideally suited for use in any office or home where a large area of bright, cool light is necessary. Lamp can be raised or lowered with a slight touch... yet arms are spring-controlled and counter-balanced to stay in place. Lamp swivels full 360°, has 45° reach. Gray enameled metal finish. Eight-ft. cord. Two type T8 Fluorescent Tubes included. Order mounting bracket desired, at right. U.L. Listed. For 110-120 volts, 60 Hz AC. Shpg. wt., 9 lbs.  
26 C 3166 X. \$5 Monthly. . . . 25.95



**A**  
**\$33<sup>95</sup>**  
\$5 monthly

**A Luxa LFM-1 Fluorescent Magnifier Lamp.** Has 5" magnifier ideal for miniature assembly, inspection, or reading fine print. Moves with a touch, stays in place. 360° swivel. 45° reach. Gray. With T9 tube. Order mtg. bracket below. U.L. Listed. For 110-120 volts, 60 Hz AC.  
26 C 3169 X. Wt., 8 lbs. . . . 33.95



**B**  
**\$25<sup>95</sup>**  
\$5 monthly

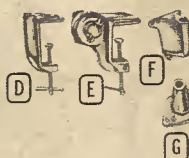
**B Luxa LC-1 Combination Lamp.** Has both incandescent and fluorescent lights... use together or separately. Ideal illumination for color art. 45° reach. 360° swivel. Gray. With T9 Tube. Less std. 60-watt bulb. Order mtg. bracket below. U.L. Listed. For 110-120 volts, 60 Hz AC.  
26 C 3167 X. Wt., 9 lbs. . . . 25.95



**C**  
**\$16<sup>95</sup>**

**C Luxa "Li" Compact Desk Lamp.** Compact, flexible lamp swings and stretches to 24", directs hi-intensity light where you need it most. Ideal for dark spots and tight corners. Moves with a touch, yet stays firmly in place with spring-tension balancing. Cool, vented shade. Includes 7" base, or use with any mounting clamp below. With bulb. For 110-120 V. 60 Hz AC.  
26 C 327B X. Shpg. wt., 3 lbs. . . . 16.95

### Mounting Brackets for All Lamps Above



**D Desk Clamp.** For table or desk. Opens to 2 1/4". Shpg. wt., 1 lb.  
26 C 2992. . . . 1.68

**E Slanted Surface Clamp.** Fits drafting board. Adjustable angle.  
26 C 2995. Wt., 1 lb., 2.62

**F Screw-Mount.** For wall, other vertical surface. Three intg. holes.  
26 C 2993. Wt., 1 lb., 1.68

**G Screw-Mount.** For desk, other level surfaces. Two mounting holes.  
26 C 2994. Wt., 1 lb., 1.68



**\$19<sup>95</sup>** \$5 monthly

With Magnifier

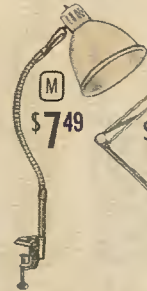


**J**  
**\$3<sup>95</sup>**

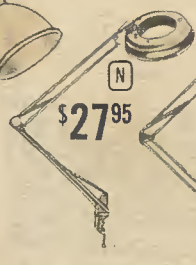


**K**  
**\$6<sup>95</sup>**

2-Way  
**\$9<sup>95</sup>**



**M**  
**\$7<sup>49</sup>**



**N**  
**\$27<sup>95</sup>**



**P**  
**\$12<sup>95</sup>**

## Low-Voltage High-Intensity Lamps

Built-in Transformer Reduces Voltage for Cool, Glare-Free Light

**H Lamp/Magnifier.** Two-power magnifier has 7" focus; swivels vertically, rotates. Lamp also swivels, extends to 12". Each moves independently. Hi-Lo switch for 500 or 250 footcandles. With #1133 bulb.  
26 C 1B10. Shpg. wt., 2 1/2 lbs. . . . 19.95

**J Lowest Cost All-Purpose Lamp.** Has 14" brass-plated flexible gooseneck. "Sure-Kool" shade has inner reflector that rotates 360°. Rosewood veneer on beige polystyrene base. 6-ft. cord. With #93 bulb. Japan.  
26 C 3233. Shpg. wt., 2 lbs. . . . 3.95

**K Versatile Lamp with Night Light.** Ideal for children's room. Hi-Lo-Off switch. 12" chrome-plated-steel folding arm; Rosewood veneer inlay on beige polystyrene base. "Sure-Kool" shade. 6' cord. #1141 bulb. Japan.  
26 C 3231. Shpg. wt., 2 1/2 lbs. . . . 6.95

**L 2-Way Executive Lamp.** Features 12" chrome-plated brass telescopic arm; 3-position switch. Rosewood veneer inlaid on white polystyrene base. Flocked white shade; inner reflector; rotates 360°. #1133 bulb. Japan.  
26 C 3230. Shpg. wt., 3 lbs. . . . 9.95  
26 C 3147. Replacement #93 Bulbs. Wt., 2 oz. . . . Pkg. of 2/49¢  
26 C 3148. #1141 Bulbs. . . . Pkg. 2/69¢    26 C 3149. #1133 Bulbs. . . . Pkg. 2/49¢

## "Swing-O-Lite" Lamps

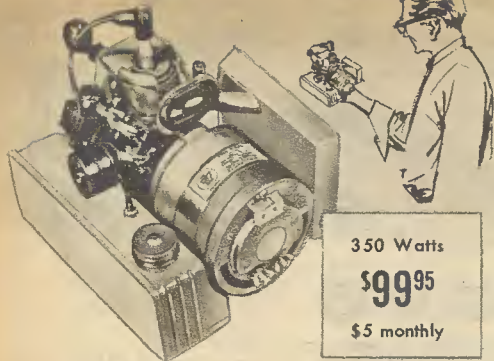
**M Low-Cost Gooseneck Lamp.** Flexible neck extends over 30" circle. Shade rotates to direct light. Neutral gray finish. With "C" mounting clamp for easy installation. With incandescent bulb. For 110-120 V., 60 Hz AC. 5 lbs.  
26 C 3174 X. . . . 7.49

**N Model BBM-9 Fluorescent Magnifier Lamp.** Has 5" lens with 13" focus. Spring controlled, counterbalanced arm reaches 45". Gray. "C" clamp bracket. T9 tube included. For 110-120 V., 60 Hz AC. Shpg. wt., 10 lbs.  
26 C 3175 U. \$5 Monthly. . . . 27.95

**P Model BB45C All-Purpose Lamp.** Spring-controlled arm extends 45"—adjusts with a touch. Vented shade. Gray. "C" clamp. With incandescent bulb. For 110-120 V., 60 Hz AC.  
26 C 3173 X. Shpg. wt., 5 lbs. . . . 12.95

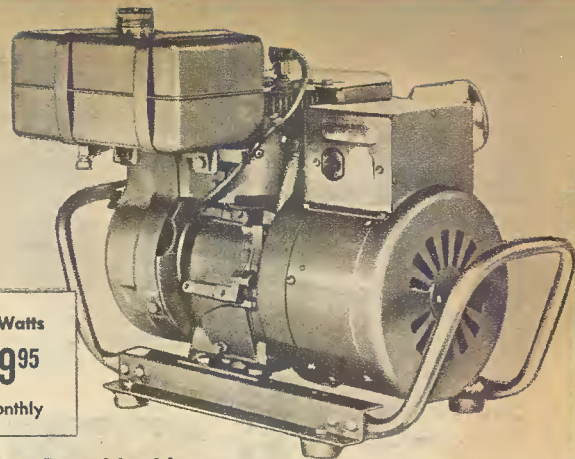


# Portable AC Power Plants



350 Watts  
\$99<sup>95</sup>  
\$5 monthly

1250 Watts  
\$159<sup>95</sup>  
\$8 monthly



## Feather-Weight Generator

**Tiny Tiger.** Miniature gasoline-powered generator for instant electricity anywhere. Delivers 350 watts at 115 VAC or 12 amps at 12 VDC. Weighs only 14 pounds... so small you can carry it in your hand.

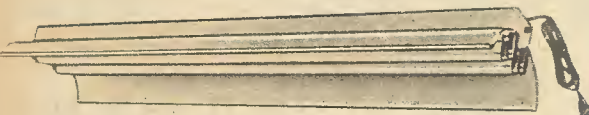
Charges batteries, operates electrical equipment in boats, cars, camps. A necessity in emergencies. One-hp engine runs at 6300 rpm, uses only 14 oz. of fuel per hour.

Runs 2½ hours with 30-minute cooling time. High-capacity magneto ignition: direct drive generator; spark arrester; muffler. All-metal construction. 10¼x8½x8½". Shpg. wt., 15 lbs. 26 C 3751 X. \$5 Monthly... \$99.95

## Emergency Power Portable Alternators

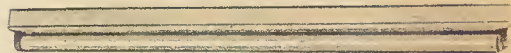
3600-rpm alternators offer ±5% voltage regulation, 25% reserve surge capacity. Lightweight revolving-field alternators have stationary stator coils, solid-state excitation. Automatic recoil starter requires minimum time and effort. Shock-mount design with muffler. 115 V units have two polarized receptacles: dual-voltage also have 115 and 230 V twist-locks. Fuel cap., 1 gal. except 5000-watt, 1½ gals. Made to NEMA standards. Shpd. truck or express from Oshkosh, Wis. No C.O.D. orders.

Stock No.	Volts	Watts	Rated Amps		Outlets-AC		Horsepower	Size HxWxD	Wt., Lbs.	EACH
			115 V	230 V	115 V	230 V				
26 C 3290 ZF	115	1250	10.9		2	.....	3	18x24x19"	85	159.95
26 C 3291 ZF	115	1500	13.0		2	.....	4	18x24x19"	87	199.95
26 C 3292 ZF	115	1750	15.2		2	.....	4	18x24x19"	87	219.95
26 C 3293 ZF	115/230	2500	21.7	10.9	2	1	6	18x24x19"	99	289.95
26 C 3294 ZF	115/230	3000	26.1	13.0	3	1	7¼	18x28½x18"	148	329.95
26 C 3295 ZF	115/230	3500	30.4	15.2	3	1	7¼	18x28½x18"	148	379.95
26 C 3296 ZF	115/230	4000	35.0	17.5	3	1	8¼	18x28½x18¼"	158	399.95
26 C 3297 ZF	115/230	5000	43.5	21.8	3	1	10½	24½x31x20¾"	200	499.95



**Conopy-Style Fixture.** Rapid-start, with 6-ft. SJ cord and pull-chain switch. Plugs into existing outlet. With two 40-watt 48" fluorescent tubes. New "P" rated ballast with thermal protection. White. U.L. Listed. 13x4¾x48". 26 C 1922 X. Shpg. wt., 15 lbs..... 14.95  
26 C 2546 X. Two-Tube Rapid-Start Fixture. As above, but without SJ power cord or switch. Shpg. wt., 15 lbs... 13.95

## Fluorescent Fixtures



**Strip Light Fixtures.** Easy to install, with starter and fluorescent tube. White baked enamel. Normal power factor. U.L. Listed. †Rapid start type.

Stock No.	Type	Watts	Length	Lbs.	EACH
26 C 2547 X	S-120	20	25"	4	3.69
26 C 2548 X	S-140	40	49"	6	5.49
26 C 1919 X	S-140†	40	49"	6	6.95



**Handy AC Outlet Boxes.** Short, heavy-duty AC outlet boxes. Rated 15 amps at 115 volts. Size, 13x2¼x1½", except MO-3, 5x2x1¼". On-off switch. MO types have pilot light. Fused or circuit breaker. Brown hammertone finish. \*Four individually switched outlets. †3-wire.

CIRCUIT-BREAKER OUTLET BOXES				
Stock No.	Mfr's Type	Outlets	Wt., Lbs.	EACH
26 C 2197	†MO-GD-CB	6	2¼	10.29
26 C 2198	MO-CB	6	2¼	8.57
26 C 2199	*SS-CB	4	2¼	8.57

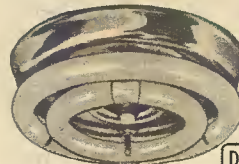
FUSED OUTLET BOXES				
Stock No.	Mfr's Type	Outlets	Wt., Lbs.	EACH
26 C 1948	†MO-GD	6	2¼	7.95
26 C 1949	MO	6	2¼	6.25
26 C 1950	*SS	4	2¼	6.25
26 C 1951	MO-3	3	1½	3.75



**15-Watt Pin-Up Strip Lamp.** Easy to install anywhere. Size, 2x1½x20¾" long. With fluorescent tube, 6-ft. cord, plug, AC outlet, switch. U.L. Listed. For 115 VAC. Shpg. wt., 3 lbs.  
26 C 1923 X..... 5.95

**15-Watt Under-Cabinet Fixture.** Sticks up with Scotchmount®—no screws, no drilling. Bronze color. 1½x5½x18½". With tube, cord, plug, switch. U.L. Listed. For 110-125 V, 60 Hz AC.  
26 C 3237. Wt., 4 lbs..... 5.95

**Circline-Style Ceiling Fixture.** Chromed. Extends 3 to 4" below ceiling. Use with wall switch. With 12" 32-watt and 16" 40-watt rapid-start tubes. U.L. Listed. For 115 VAC. Shpg. wt., 10 lbs.  
26 C 3235 X..... 14.95



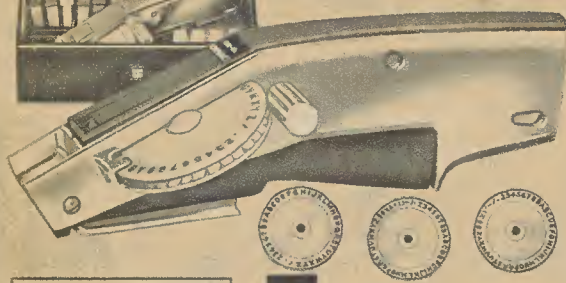
**Model T-14.** Now you can dim your fluorescent lamps. Control adj. light from off to full brightness. For 4 to 14, 40-W lamps. Order ballast below.  
26 C 1902. 1 lb.... 17.98

**Model T-8.** Above, but for 1 to 8, 40-W lamps.  
26 C 3289 8 oz.... 12.95

**Model BT-1 Dimmer Ballast.** 1 needed per 40-W lamp.  
26 C 3298. 2 lbs.... 6.95



# Dymo Labelmakers for Everyone



**Deluxe All-Metal  
Tapewriter Outfit**

**\$19<sup>95</sup>**

\$5 monthly

**V  
E  
R  
T  
I  
C  
A  
L**

**1/4 TAPE**

**3/8 TAPE**

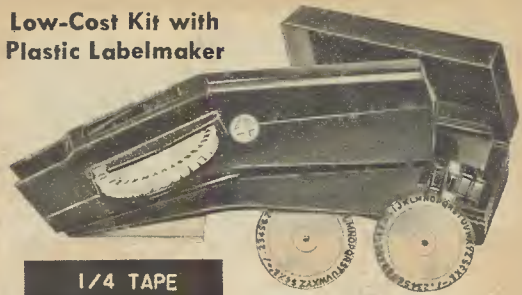
## Deluxe Outfit Prints 1/4", 3/8", and Vertically

M-10. Our best selling labeling outfit. Labelmaker is polished-chrome-finished for durability and smart appearance. Includes: embossing tool, three wheels, 10 rolls of tape, and compact 3x6x9" storage case. One wheel embosses standard-size characters on 1/4" tape, one embosses giant-size characters on 3/8" tape, and one wheel embosses vertically! Five 3/8" and five 1/4" rolls of assorted-color tape. (See below for extra-color or replacement tapes.) Shpg. wt., 2 lbs.

26 C 1355. \$5 Monthly.....19.95

26 C 1353. M-10 Tapewriter Alone. With two wheels and 12-ft. roll of tape. Shpg. wt., 13 oz.....14.95

**Low-Cost Kit with  
Plastic Labelmaker**



**1/4 TAPE**

**3/8 TAPE**

Embosses  
Both 1/4" and  
3/8" Tapes **\$9<sup>88</sup>**

Model M-6. For office, workshop or home use. Makes raised-letter labels that are self-adhesive, permanent and waterproof. Just dial each letter, number, or symbol and squeeze the handle. When finished, squeeze trigger to snip off label. Kit includes: high-impact plastic embossing tool, two wheels for large and small characters, three 3/8" and two 1/4" rolls of tape, plus case. (See extra tapes below.)

26 C 3183. Shpg. wt., 1 1/2 lbs.....9.88

26 C 3184. Tool Alone. Shpg. wt., 10 oz.....6.88



**\$34<sup>95</sup>** \$5  
monthly

## Deluxe Kit Embosses 3/8" and 1/2" Tapes

M-20. For versatility and large-tape jobs. Includes precision-made embossing tool, 3 wheels, five 3/8" and five 1/2" tapes, carrying case. Wheel for 3/8" tape embosses basic-size letters, 1/2" wheel for giant letters. 3rd wheel embosses letters vertically!

26 C 3185. Wt., 4 lbs. \$5 Monthly.....34.95

26 C 3186. Tool Alone. Shpg. wt., 2 1/2 lbs.....24.95



## New Low-Cost Home Labelmaker Kit

**\$6<sup>95</sup>**

- For 3/8" Vinyl Tape
- With Extra Wheel  
for Vertical Letters,  
3 Tape Magazines

Model 1700. Sturdy high-impact plastic labelmaker takes 3/8" vinyl tape in easy-to-use magazine. Has automatic pull-tab cut-off. Kit includes standard embossing wheel for 0.150"-high characters, special wheel for vertical letters, three magazines of vinyl tape, case. Extra tape below.

26 C 3936. Shpg. wt., 1 lb.....6.95

26 C 3968. 1700 Tool Alone. With two embossing wheels, magazine of tape. Shpg. wt., 12 oz.....4.95



Your  
Choice

1/4" or 3/8"

**\$2<sup>88</sup>**

## Budget-Line Labelmakers

Perfect for light-duty embossing work. 6 1/2" tough plastic body is extremely resistant to breakage and chipping. Embosses 40 different characters. Choice of model with 1/4" or 3/4" wheel. Order tape from listing below. 10 oz.

26 C 2142. M-4. For use with 1/4" tape (below).....2.88

26 C 2803. M-38. For use with 3/8" tape (below).....2.88

## Genuine DYMO Label-Making Tape for All Tapewriters on This Page

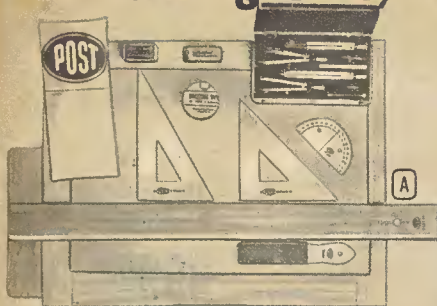
Stick to almost any clean, smooth surface. Can even be used outside; hold-up well in all weather. In solid and gold-

striped colors. Colors (not size) may be assorted for extra savings. Av. shpg. wt., 1 oz.

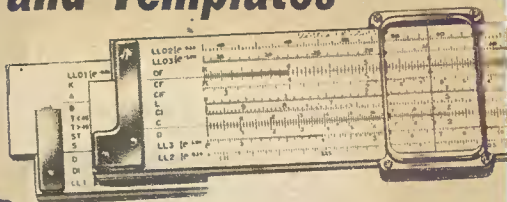
Stock No.	Tape Size	Use With Labelmaker	Ft.	Type	Colors—Be Sure to Specify Choice	EACH ROLL	
						1-2	3-Up
26 C 2473 C	1/4"	M-4, M-6, M-10	12	Solid	Clear, Red, Orng., Blue, Grn., Yel., Brn., Blk., Gray, Gold, Walnut	.89	.75
26 C 1884 C	3/8"	M-38, 1700, M-6, M-10, M-20	12	Solid	Red, Orng., Blue, Grn., Yel., Brn., Blk., Gold, Walnut	.99	.89
26 C 2017 C	3/8"	M-38, 1700, M-6, M-10, M-20	10	Stripe	Red, Blue, Grn., Brn., Blk. (gold edges)	1.35	1.19
26 C 1903 C	1/2"	M-20	12	Solid	Clear, Red, Orng., Blue, Grn., Brn., Blk., Walnut, Yel., Gray	1.49	1.25
26 C 2009 C	1/2"	M-20	12	Stripe	Red, Blue, Grn., Brn., Blk. (gold edges)	1.79	1.59



# Drawing Sets, Slide Rules and Templates



**POST  
Complete  
Drafting  
Outfits**

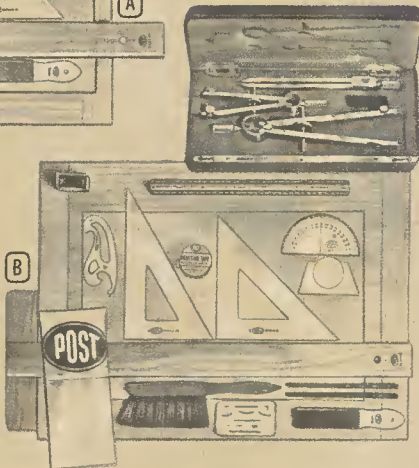


**Pickett Precision  
All-Aluminum Slide Rules**

- Rugged Aluminum Construction
- Precise, Smooth Operation

Save \$1.95  
Low-Cost  
Outfit **\$14.95**

Save \$2.95  
Deluxe  
Outfit **\$19.95**



**A** Drawing Set Instrument Set Outfit. *Drawing Set:* 16x21" board; 21" wood T-square; 8" 30° and 6" 45° triangles; 4" plastic protractor; lead pointer; "Pink Pearl" eraser; art gum eraser; 24 sheets 12x18" paper, case. *Instrument Set:* 4" bow compass-combination pen and pencil; 4" bow divider; 5 3/4" plain divider; 5 3/4" combination friction compass with self-contained extension bar; 4 1/2" ruling pen; extra ruling pen handle for compass pen part; vial, extra leads, needle points, metal case. Instrument set from West Germany. Wt., 8 lbs. 26 C 1991 X. Complete Outfit.....14.95  
26 C 1992 X. Drawing Set Alone. Shpg. wt., 7 lbs.....8.95  
26 C 1993. Instrument Set Alone. Shpg. wt., 1 lb.....7.95

**B** Deluxe Drawing Set Instrument Set Outfit. *Drawing Set:* 18x24" board; 24" wood T-square; architect's scale; 10" 30° triangle; 8" 45° triangle; curve; 5" plastic protractor; 2H, 4H pencils; lead pointer; tape; art gum eraser; 6 sheets 12x18" paper; erasing shield; Ames lettering guide; dusting brush; plastic case. *Instrument Set:* 6" and 4 1/4" bow compasses, pencil and divider parts, center wheel adjustment; 5 1/4" plain dividers with straightening device, leads, metal case. Nickel plated. W. Germany. Wt., 11 lbs. 26 C 2559 X. Complete Outfit. \$5 Monthly.....19.95  
26 C 2011 X. Drawing Set Alone. Shpg. wt., 10 lbs.....12.95  
26 C 2073. Instrument Set Alone. Shpg. wt., 1 lb.....9.95

**N16ES Electronic/Electrical Slide Rule.** Log log dual base exponential rule, ideal for professionals and advanced students. Has 16 standard plus 18 special scales to reduce the number of settings and "read and transfer" steps required. Perfect for such complex problems as: Xc and X<sub>L</sub> resonant frequency, RC coupling, time constant, etc. Ten-inch scale in Eye-Saver yellow. With instruction manual, leather case. 1 1/2 lbs. 26 C 2790 S. \$5 Monthly.....29.95

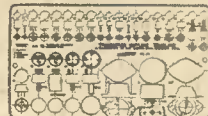
**N3 Synchrolog Dual Base Log Log Exponential Speed Rule.** Precision rule has 32 scale sections, functionally grouped for speed and accuracy. 80° Log Log scales have range from .00005 to .9999 and 1.001 to 22,000. The Ln scale puts exponents and logarithms directly to base e. 30" cube/cube root, 20" square-square root, 20" T scales. Yellow. Leather case. 26 C 2792 S. Wt., 1 1/2 lbs. \$5 Monthly.....24.95

**N4 Vectorlog Dual Base Log Log Exponential Speed Rule.** Superb instrument features 34 functionally-grouped scale sections. Includes 80° LL scales, xe<sup>-33</sup> to e<sup>23</sup> and 10<sup>-10</sup> to 10<sup>10</sup>, plus L and new Ln scales. C, D and CI are on both sides. Also has scales for hyperbolic tangents (TH), sines (SH). Yellow. 1 1/2 lbs. 26 C 2796 S. \$5 Monthly.....28.50

**N1010 Powertrig Slide Rule.** Popular trig rule is perfect for students, businessmen and others who do not require Log Log scales. Red and black numerals color code direction and relationships. Eye-Saver yellow. With instruction manual, leather case. 26 C 2804 S. Wt., 1 1/2 lbs.....12.95

**N600 Duol Base Log Log Pocket Slide Rule.** Six-inch rule with 30" Log Log scales on one side, all Trig scales on the slide. Has 22 scales. Yellow. Pocket clip case. 5 oz. 26 C 2814 S.....9.95

## Pickett Electronic Symbols and Components Templates



**1279 Electronic Symbols Template.** Plastic template has symbols for tubes, resistors, many other common components. Size, 9 3/4 x 5 1/8 x .030". 26 C 2821. Wt., 2 oz.....3.98

**1277 Sine Curve and Wave Form Template.** Plastic template includes synchronized and normal sine and modulated wave forms. 8 1/4 x 5 1/2 x .030". 26 C 2851. Wt., 2 oz.....2.69

**1619 Transistor Outline Template.** Conforms to Military Standard 15A. Ideal for electronics designers and engineers. 9 1/2 x 5 1/8 x .030". 2 oz. 26 C 2864.....2.69

**1280 Electric Components Template.** Includes most commonly used symbols for schematics: switch, plugs, instruments, etc. Size, 9 3/4 x 5 1/8 x .030". 26 C 2849. Wt. 2 oz.....3.98

**1610 Electric Components Template.** Contours combine for easy drawing of radio, TV and electronic components. Size, 9x5x.030". 2 oz. 26 C 2853.....2.98

**1602 Electric Components Template.** Features the latest revisions in electronic components; transformers, tubes, etc. 6 1/2 x 3 1/2 x .040". 2 oz. 26 C 2928.....1.50

Order from Allied for Precision Drawing Supplies at Low Cost

**ALLIED 281**



# B & K Test Equipment for TV and Radio

## Deluxe 1076 TV Analyst



- Model 1076**
- Pinpoint TV Troubles in Minutes
  - Ideal Signal Generating Source
  - Directly Modulates Picture Tubes
  - Color Convergence Patterns
  - Crystal-Contralled Color Patterns

**\$329<sup>95</sup>**

\$16 monthly

Combines a miniature TV transmitter with a complete circuit analyzer. Directly injects RF, IF, video or audio signals into any stage of black-and-white or color set—lets you view results directly on set's screen. Injects horizontal and vertical sync, plus plate and grid drive for sync and sweep checks. Switch selection of channels 2-13. Has negative bias supply; AGC keying pulse; high-level signal for direct modulation of picture tubes. Also generates white dot, crosshatch and color bar patterns for accurate convergence adjustments of color sets. Crystal-controlled rainbow and color bar patterns test synchronization, range or hue control, and align demodulators. Ventilated case, 10 $\frac{1}{4}$ x17x10". Has two top-mounted carrying handles. For 110-120 volts, 60 Hz AC. Shpg. wt., 29 lbs.  
21 C 4169 U. \$16 Monthly.....329.95

## All-in-One Transistor Radio Analysts



**Model 970**  
**Eight-in-One**  
**Analyzer**

**\$199<sup>95</sup>**

\$10 monthly



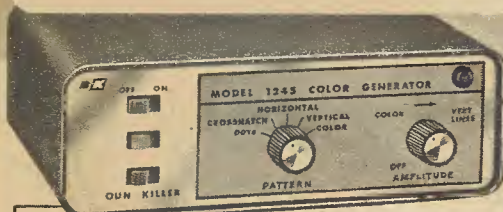
**Model 960**  
**Six-in-One**  
**Analyzer**

**\$99<sup>95</sup>**

\$5 monthly

**A** Model 970. Combines signal tracer, in-circuit and out-of-circuit transistor tester, AM, FM, RF, IF and audio generators, 1.5-15 VDC supply. Traces circuits stage by stage. Tests transistors in-circuit with "Dyna-Trace" probe; out-of-circuit for leakage, beta (0-300). Ranges: VDC, 0-2-20-200-500; mA, 0-2-200, A, 0-2-5; ohms, 0-50K-500K-5 meg. Size, 9x8x15 $\frac{1}{4}$ ". With Japanese-American transistor guide. 110-120 V, 60 Hz AC.  
21 C 4367 U. Wt., 22 $\frac{1}{4}$  lbs. \$10 Monthly... 199.95

**B** Model 960. Has signal tracer, VTVM, ohmmeter, battery and transistor testers, 0-12 VDC power supply. Traces AM transistor radio circuits; checks transistors in circuit with single-point probe; out-of-circuit tests for leakage and beta. With Japanese-American transistor guide. Size, 12 $\frac{1}{8}$ x7 $\frac{3}{4}$ x4 $\frac{1}{8}$ ". For 110-120 V, 60 Hz AC.  
21 C 4166 U. Wt., 9 lbs. \$5 Monthly.....99.95



**Save \$12.60**

with  
Degaussing  
Coil

Professional Degaussing Coil  
Only \$1 Marel

With Coil 1245 Alone

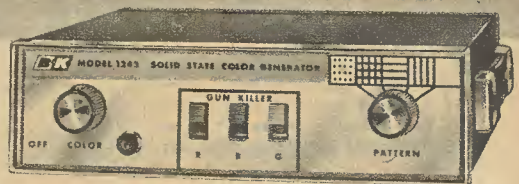
**\$135<sup>95</sup>** **\$134<sup>95</sup>**

\$7 monthly \$7 monthly

## Model 1245 Portable Color Generator

For easy convergence and color adjustments. Connects directly to antenna terminals. Over 5000-mW RF output on TV channels 3, 4, 5. Crystal-controlled keyed rainbow color display, dot pattern, crosshatch, horizontal and vertical lines. Horizontal lines one scanning line thick. Small dots with adjustable brightness. 2 $\frac{3}{4}$ x8 $\frac{1}{4}$ x8 $\frac{1}{8}$ ". With RF cable, 105-125 V, 60 Hz AC. Degaussing coil is 13" dia., has 9-ft. cord, on-off switch.

21 C 0001 12U. Model 1245 and Coil. Wt., 6 lbs. .... 135.95  
21 C 4448 U. Model 1245 Alone. Wt., 4 lbs. .... 134.95  
21 C 4361. Degaussing Coil Alone. Wt., 2 lbs. .... 13.60



## Model 1242 Solid-State Color Bar/Pattern Generator

**\$99<sup>95</sup>**

\$5 monthly

- Easy Color Convergence, Adjustment
- Reliable, Instant-On Solid-State Circuit
- Fast, Easy Connections to TV Receiver

Solid-state design provides outstanding reliability and high stability over a wide temperature range. For fast, easy color convergence and adjustments. Gives dot, crosshatch, horizontal and vertical lines, plus color patterns on channels 3 and 4. Has over 5000- $\mu$ V RF output. Built-in gun killer has "mini-clips" for easy connection to set. Zener diode regulated power supply. Lightweight, rugged metal case with storage compartment for test leads and cables. Size, 2x6 $\frac{3}{4}$ x9 $\frac{3}{4}$ " deep. Complete with RF output cable. For 105-125 volts, 60 Hz AC.  
21 C 4189 U. Shpg. wt., 2 $\frac{1}{2}$  lbs. \$5 Monthly.....99.95



# Accurate, Professional Test Equipment by B & K

**Model 606**  
**"Dyna-Quik"**  
**Tube Tester**

**\$79<sup>95</sup>**

\$5 monthly



**A**

**Model 707**  
**"Dyna-Quik"**  
**Tube Tester**

**\$189<sup>95</sup>**

\$10 monthly



**B**

**A** Model 606. Compact, emission-type tube tester is fast and accurate. Checks most commonly-used TV and radio tubes: nuvistors, 10-pins, 12-pin compactrons, VR's, thyratrons, auto radio hybrids, bi-fi and industrial tubes. Tests under simulated load. Has four switches; 4½" Good-?-Replace scale; adjustable grid emission test with sensitivity to over 100 megohms. Also makes accurate tests for shorts, leakage and gas. Compact case, 8½x11x4½", latching cover. For 105-125 V, 50-60 Hz AC. 21 C 4164 X. Sbgp. wt., 7 lbs. \$5 Monthly.....79.95

**B** Model 707. Professional, dynamic-type mutual conductance tester features multiple-socket plug-in and check section, plus actual load condition testing. Checks radio and TV tubes, thyratrons, VR's, auto radio hybrids, European bi-fi and industrial tubes. Sockets check nuvistors, 10-pins, compactrons. Adjustable grid emission test—over 100 meg sensitivity. Also tests shorts, leakage, gas, "life." 4½" meter with Good-?-Replace scale. 16½x15¼x5⅞". 105-125 V, 50-60 Hz AC. 21 C 4165 U. Sbgp. wt., 16 lbs. \$10 Monthly..... 189.95



**\$89<sup>95</sup>**

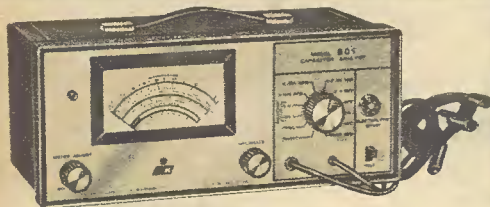
\$5 monthly

Handles  
 New CRT  
 Types

## Model 465 CRT Tester/Rejuvenator

- Handles High and Low G<sub>2</sub> CRT Tubes
- Checks and Rejuvenates in TV Set
- Checks and Corrects Each Color Gun

Checks color or black-and-white CRT's for leakage, shorts, opens, emission. Checks gas content, predicts life; indicates expected picture tube quality. Operates tubes at correct filament (1-13) and G<sub>1</sub> and G<sub>2</sub> voltages. Handles Hi G<sub>2</sub> and Lo G<sub>2</sub> tubes. Tests, rejuvenates 100° tubes, 19" and 23" types, color tubes including 90° and 23" 23BG22. Checks and corrects each color gun separately. 4½" meter, neon indicators. Leatherette covered case, 14x8x4¼", latching cover. 105-125 V, 50-60 Hz AC. 21 C 4490 X. Wt., 11 lbs. \$5 Monthly.....89.95



## 801 Capacitor Analyst

**\$109<sup>95</sup>**

\$6 monthly

Tests Energy,  
 Leakage, Life,  
 Much More

Tests out-of-circuit for energy storage, life expectancy. Combined internal series resistance and useful capacity test. Tests in-circuit for shorts, 10 pF to 2000 µF (low as 25-ohm shunt); opens, (low as 50-ohm shunt), down to 25 µF. Direct leakage reading; reads capacity from 10 pF-1µF. Size, 6x10x4½". For 110-120 V, 60 Hz AC. 21 C 4342 U. Wt., 11 lbs.... 109.95



## 161 Transistor Analyst

**\$89<sup>95</sup>**

\$5 monthly

Test AC Beta,  
 Leakage, Polarity, More

Checks transistors in-circuit for AC Beta; tests transistors, diodes, and rectifiers out-of-circuit for AC Beta and I<sub>co</sub> leakage. Switch determines PNP or NPN. 7" meter. Circuit protects transistors even if connected incorrectly. Beta ranges, 2-100, 10-500. Leakage, 0-5000 µA. Leads. Size, 7½x7¼x3⅝". For 110-120 V, 60 Hz AC. 21 C 4463. Wt., 7 lbs.....89.95

## 30-kV High-Voltage CRT Test Probe

**\$24<sup>95</sup>**

\$5 monthly

**NEW**

Model HV-30. Specially designed big-voltage test probe for direct readings at TV CRT's. Needs no batteries. Features triple-insulated probe; sensitive 50-µA meter; soft-lined carrying case. Meter reads 0-30,000 VDC; has 16,000 ohms/volt DC sensitivity; individually calibrated at 25,000 volts. Accuracy, ±2% at 25,000 volts, ±3% full scale. Clip-on mount permits removal of meter from probe; auto-tilt stand for placement of meter in any position. 14½" long. Leads, case, 2 lbs. 21 C 4168.....24.95





# Sencore Performance-Proven Test Instruments



**TC142 Mighty Mite V**  
Cathode-Emission Tube Tester

**\$7950** • Tests Over 3000 Types  
• Full Cathode Current  
\$5 monthly • Stethoscopic Short Test

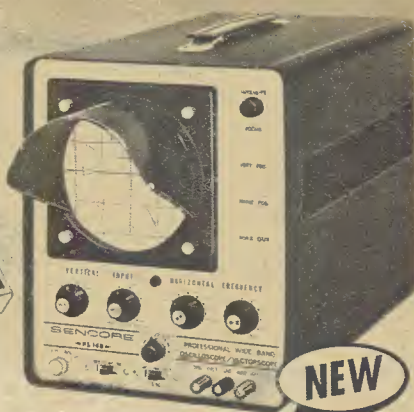
Modern, versatile, reliable cathode-emission tube tester for the fast, accurate testing required by the professional serviceman. Third hand set-up booklet holder cuts setup time and speeds tube testing. Tests over 3000 types, including compactrons, novars, novistors, frame-grid and 10-pin types. Has magnoval socket for testing such tubes as 6BG5, 6FG6, 9ED4, etc. Grid leakage measured with 100-megohm VTVM circuit. Accurate stethoscopic-type short test. Vinyl-clad steel case, brushed chrome panel, detachable lid. Size, 10x9x3½". For 115 VAC. Shpg. wt., 9 lbs.  
21 C 4284 X. \$5 Monthly..... 79.50



**MU150 Dynamic Mutual**  
Conductance Tube Tester

**\$21950** • A True Gm Tester  
• Cathode Emission Check  
\$11 monthly • Grid Leakage Tester

Speedy, accurate tester. Checks over 3000 foreign and domestic tubes. Full rated cathode current drawn from every tube, important when checking power and rectifier tubes. True Gm using 5000 Hz square wave. Laboratory accuracy; meter readings for Gm are in micromhos. 100-megohm grid leakage test to find contamination defects. Stethoscopic test that checks each element against others for shorts. Life test to find intermittents and temperature sensitive failures. Vinyl-clad steel attaché case. Plastic-coated tube chart is tear-proof and washable. 115 VAC. 17x11x4". Shpg. wt., 18 lbs.  
21 C 4437 U. \$11 Monthly..... 219.50



**PS148 Wideband Oscilloscope**  
and Color TV Vectorscope

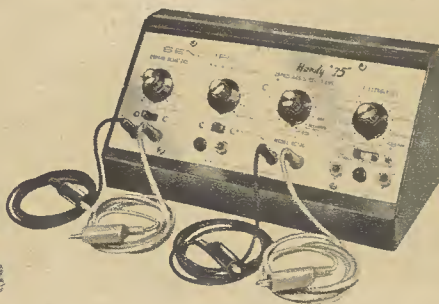
**\$21950** • Converts Instantly  
• For Alignment of Color  
\$11 monthly TV Chromo Circuits

Combines high-sensitivity scope with vectorscope for complete troubleshooting and color TV chroma circuit alignment. Special vectorgraph screen shows degree of chroma demodulation. View patterns recommended by Zenith and RCA. Vertical amplifier specifications: Response, 10 Hz to 5.2 MHz, ±1 dB; rise time, .055 μsec; sensitivity, .017 V rms/in. Input impedance: 27 meg with lo-capacity probe; 2.7 meg with direct probe. Five sweep ranges, 5 Hz to 500 kHz. TV frequencies preset. Retrace blanking, standby switch. Use with st'd color generator. 11x9x15½". 115 VAC. Direct/lo-cap probe. 22 C 4438 U. 22 lbs. \$11 Monthly 219.50



**\$9950** **CR143 Color Picture**  
Tube Tester  
\$5 monthly

Tests color and black-and-white tubes. Automatically checks color-tube guns for tracking at all settings of TV brightness control. Short test, emission-test with pure DC, life test. Automatically-controlled rejuvenation circuit brings low-emission tubes to life, removes shorts, equalizes color-tube gun currents. Vinyl-covered steel case, chrome panel. 10x9x3½". 115 VAC. Shpg. wt., 11 lbs.  
21 C 4286 U. \$5 Monthly..... 99.50



**\$4995** **RC146 Component**  
Substituter  
\$5 monthly

Provides 75 values of resistors, capacitors, electrolytics, and selenium and silicon rectifiers for fast substitution. Twelve 1-watt resistors, 10 to 5600 ohms; 12 ½-watt res., 10K ohms to 5.6 megs; 20-watt power res., 2.5-15,000 ohms; ten-600V caps, 100 pF to 0.5 μF; ten electrolytics, 2-250 μF, 450 V; 0.5 A universal selenium and silicon rect. Surge-protection, 10¼x4¾x4¾". Shpg. wt., 3½ lbs.  
21 C 4288 X. \$5 Monthly..... 49.95



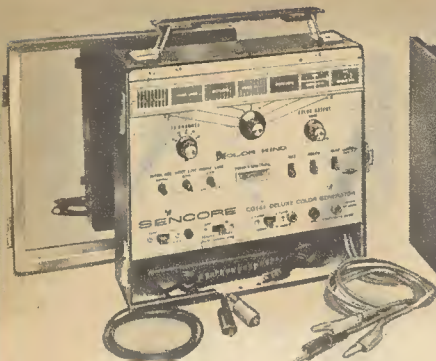
**\$19950** **FS134 TV-FM Field**  
Strength Meter  
\$10 monthly

For quick antenna placement. Covers: 50-110 MHz (TV Ch. 2-6 and FM); 160-230 MHz (Ch. 7-13); 460-900 MHz (Ch. 14-83); Sensitivity: 300 μV. Accuracy: VHF/FM, ±3 dB; UHF, ±6 dB. Meter calib.: 0-60 dB, 30-30,000 μV. X1, X10, X100. IF and image rejection: over 50 dB on VHF-FM; 30 dB on UHF. Input: 75 or 300 ohms, built-in balun. Bandwidth: 500 kHz. Speaker. 9½x10½x2½". Batteries. 21 C 4340 U. Wt., 12 lbs..... 199.50



# for the Radio and Television Serviceman

Sencore—far the Latest in Servicing and Testing Equipment and Instruments



CG141 Color Bar Generator

**\$149.50**

- Temperature Controlled
- Solid-State Circuit
- All Standard Patterns

\$8 monthly

Ultra-stable solid-state circuit. All-weather temperature-controlled color bar generator provides all standard patterns: RCA std. color bars, cross-hatch, white dots, vertical bars, horizontal bars. Controlled-position single dot and cross simplify static and dynamic convergence. Interlace control, high-output composite chrome and sync signal, crystal-controlled 4.5 MHz sound carrier, color-gun interrupters. Front panel adjustments. Vinyl covered steel case. 10x9x3 1/2". 115 V. 60 Hz AC. Shpg. wt., 9 lbs. 21 C 4314. \$8 Monthly.....149.50



Tests From Tuner to Picture Tube

**\$187.50**

- Five Useful Patterns
- Analyzing Signals
- Color Gun Interrupter

\$10 monthly

Five patterns—color bars, white dots, vertical and horizontal lines, cross-hatch, plus pattern with no modulation for purity checks and adjustment. Other analyzing signals solve RF, IF, audio, video, sync problems in color and b/w sets. 10 crystal-controlled keyed RCA-type bars give all colors at specified NTSC phases. Color gun interrupter for purity and convergence checks. Sync and video. ±0-30 V p-p. Crystal-controlled 4.5 MHz, 900 Hz signals. 10x14x8". 115 VAC. Shpg. wt., 11 lbs. 21 C 4176 U. \$10 Monthly.....187.50



Battery-Powered—Ideal for In-Home Service

**\$89.95**

- Five-Function Generator
- Crystal-Controlled
- Unique Interlace Control

\$5 monthly

Lightweight, crystal-controlled solid-state 5-function generator. Stable color bars, dots, crosshatch, vertical, horizontal lines. 10 std. keyed RCA-type color bars at spec. NTSC phases. Unique interlace control stops dot bounce and pairing of horizontal lines. RF output pretuned to Ch. 4—adjustable to 2-6 from outside. Reserve output to 200% on color bars for service defect circuit. Steel vinyl case, 3 1/2 x 10 1/4 x 8 1/2". Zener-reg. batt. power. Order 8 std. "C" cells, below. 21 C 4469. 5 1/2 lbs. \$5 Monthly...89.95 18 C 5078. Batteries. 4 oz.... Pkg. 2/33¢



A

**\$69.95**

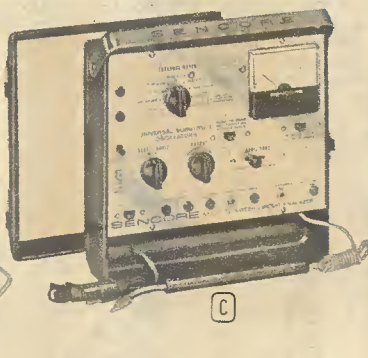
\$5 monthly



B

**\$64.50**

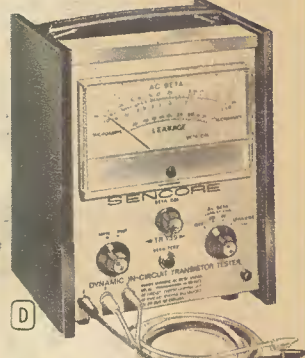
\$5 monthly



C

**\$94.50**

\$5 monthly



D

**\$89.50**

\$5 monthly

A FE-14 Field-Effect VOM. FET's in differential circuit for zero warm-up time, stability. 15 meg input res. DC, 10 meg AC. 1 1/2-V zero center scale. DCV and ACV rms: 0-1-3-10-30-100-300-1000; ACV p-p: 0-2.8-8.4-28-84-280-840-2800. Ohms: 0-1000-10K-100K, 0-1000 meg. DC curr.: 0-100 µA, 0-1-10-100 mA, 1 A. 4 1/2" meter. 7 1/2 x 5 1/4 x 3 1/16". With leads. Req. 9 V batt., 1.5 V "C" batt. 21 C 4138. Shpg. wt., 4 lbs. \$5 Monthly.....69.95 21 C 4139. 39A19 High-V Probe. To 30 kV. 8 oz.....9.95

B TR15A Transistor Tester. True AC signal gain test (Beta) without disconnecting leads. Measures AC Beta and I<sub>cho</sub> out-of-circuit. Checks diodes and rectifiers in-and out-of-circuit. 4 1/2" meter. Units under test protected. Switch determines PNP-NPN. Zener diode regulated power supply for high stability. Beta range: 2 to infinity. I<sub>cho</sub> reference, 0-5000 µA. 5x7 3/16 x 3 1/16". 115 VAC. 21 C 4129. Shpg. wt., 8 lbs. \$5 Monthly.....64.50

C SS137 TV Sweep Analyzer. Solve sweep, sync, HV problems. Universal horizontal/vertical oscillators substitute for those in TV set—color or b/w. Horiz. yoke uses universal yoke in unit. Vertical yoke checked by driving with test signal to give full trace on TV screen. Flyback tests power transfer to universal yoke. 300 µA meter for AC, p-p, DC V. DC current, 2nd anode volts to 30,000 V. 9 1/4 x 10 1/4 x 3 1/2". High-voltage probe, leads, 115 VAC. 21 C 4400. Shpg. wt., 10 lbs. \$5 Monthly.....94.50

D TR139 Transistor Tester. Accurately tests transistors, diodes, rectifiers in- or out-of-circuit. In-circuit done without disconnecting leads. Measures true beta and I<sub>cho</sub>. Gives speedy "go or no-go" when testing diodes and rectifiers in circuit. 6" meter. Ranges: Beta, 2-infinity; I<sub>cho</sub>, 0-5000 µA. Leatherette-covered steel case, brushed chrome-steel panel. 9x7 1/2 x 6". 115 VAC. Leads. 21 C 4518. Shpg. wt., 8 lbs. \$5 Monthly.....89.50

Allied Stocks the Finest Test Equipment You Can Buy

ALLIED 285



# RCA High-Accuracy Test Instruments



**Color Bar Generator**

**\$168<sup>00</sup>**

\$9 monthly

Solid-State,  
Crystal-Controlled  
Patterns

WR-502A. Solid-state "Chro-Bar" color-bar/pattern generator provides all the displays needed for accurate adjustments of color TV receivers. Generates: color bars (gated rainbow); dots; crosshatch; horizontal and vertical lines; blank raster. Crystal-calibrated circuitry is especially designed to provide ultra-stable patterns with no flicker. Has separate gun killer switches; battery strength indicator; switch for spare battery. Color bar pattern provides ten bars spaced at 30° phased intervals (includes R-Y, B-Y, I and Q signals). Cast aluminum case. 6½x7x4". With batteries, leads. 21 C 4319 U. Shpg. wt., 5 lbs. . . 168.00



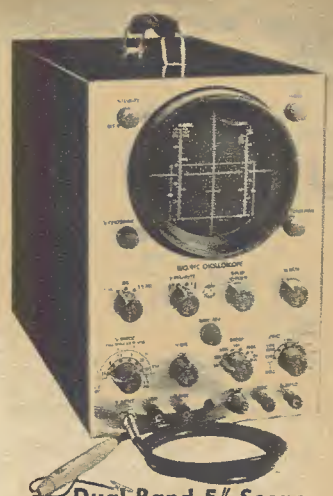
**Sine/Square Wave Generator**

**\$95<sup>00</sup>**

\$5 monthly

Solid-State,  
Frequency Range,  
20 Hz to 200 kHz

WA-504A. Provides tuneable sine or square wave audio frequency signal ideal for a wide variety of applications. Deluxe solid-state circuit design uses 6 transistors including an MOS type and two diodes. Produces an ultra-stable signal with an amplitude variation not exceeding 1.5 dB. Can be used for testing audio amplifiers; speakers and enclosures; finding L-C combinations in circuits. Frequency coverage, 20 Hz to 200 kHz in four ranges. Has calibrated front panel dial; precision vernier drive. Total sine wave harmonic distortion under 0.25%. 7¾x5¾x4¾". Leads. 115 VAC. 21 C 4352. Shpg. wt., 5 lbs. . . . . 95.00



**Dual-Band 5" Scope**

**\$269<sup>00</sup>**

\$14 monthly

For Color and  
Black-and-White TV,  
with Test Probe

WO-91C. Professional-quality 5" oscilloscope for accurate color or black-and-white TV servicing and testing. Has dual-band response; synch separator for stable sweep lock-in on composite signals; 10 Hz to 100 kHz continuous sweep. Polarity reversal switch. Dual-band response and sensitivity: wideband; ±1 dB, 10 Hz to 4.5 MHz; narrowband; -6 dB, 10 Hz to 1.5 MHz or -1 dB, 10 Hz to 0.5 MHz. Sensitivity: wideband, 0.150 V p-p/inch; narrowband, 0.05 V p-p/inch. Compact case, 13½x9x16½" deep. 117 VAC. With WG-300B Direct/Low-Capacitance test probe. 21 C 4543 U. Shpg. wt., 35 lbs. . 269.00



**A** **\$129<sup>00</sup>** \$7 monthly

**A** WR-648 Color Generator. For accurate color TV troubleshooting and convergence adjustments. Produces 10 color bars; dots and crosshatch patterns. Separate gun-killing switches; chroma-control checks color sync lock and AFC alignment. Color sub-carrier, horizontal, vertical, sync-pulse, crosshatch and bar frequencies are crystal-controlled for stable operation. 10x13½x8". For 117 VAC. 21 C 4191 U. Shpg. wt., 17 lbs. \$7 Monthly . . . . . 129.00



**B** **\$295<sup>00</sup>** \$15 monthly

**B** WR-69A Sweep Generator. For visual alignment of TV and FM receivers, ideal for color TV. Covers VHF TV channels and 88-108 MHz FM band. Preset position for channels 2-13; FM, TV, video, chrominance and IF frequencies. VHF output on fundamentals only. IF/video output—50 MHz continuously tuned. Bandwidth, 50 kHz to 20 MHz; 12 MHz max. on TV. 10x13½x7". 117 VAC. 21 C 4347 U. Shpg. wt., 18 lbs. \$15 Monthly . . . . . 295.00



**C** **\$256<sup>50</sup>** \$13 monthly

**C** WR-99A Marker Generator. Supplies fundamental-frequency RF carrier for precision alignment of TV and FM receivers. Crystal calibrator beats at 1 or 10 MHz. Covers 19-260 MHz in 8 bands. Has heterodyne detector, amplifier and speaker. 4.5 MHz crystal for alignment of intercarrier IF amplifiers. Triple markers. Slide-rule tuning dial. 13½x10x7". For 105-125 V, 50-60 Hz AC. 21 C 4329 U. Shpg. wt., 21 lbs. \$13 Monthly . . . . . 256.50



**D** **\$18<sup>50</sup>**

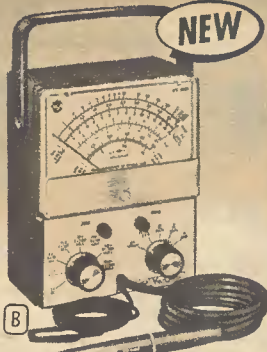
**D** WV-120A AC Power-Line Monitor. For lab, shop use. Reveals fluctuations and "bounces" in AC line voltage, 100-140 VAC. Accuracy, ±2% at 120 V. 3¼x5x3¼". Shpg. wt., 1½ lbs. . . . . 18.50  
WV-503A AC Power Line Monitor. (Not illus.) Same as above, but reads 200-280 volts. 25-400 Hz frequency range. 21 C 4398. Shpg. wt., 1½ lbs. . . . . 18.50



# RCA Test Equipment and Accessories



**\$5200**  
\$5 monthly



**\$7500**  
\$5 monthly



**\$6675**  
\$5 monthly



**\$8850**  
\$5 monthly

**A** WV-38A VOM.  $5\frac{1}{4}$ " meter; flat response to 50 kHz. Ranges: AC, DC V; 0-2.5-10-50-250-1000-5000, plus 0.25-1 VDC. Ohms; 3 ranges to 20 meg. DC current; 0-50  $\mu$ A, 0-1-10-100-500 mA, 0-10 amps. dB; -20 to +50. Input resistance; DC, 20,000 ohms/volt; AC, 5000 ohms/volt. DC accuracy,  $\pm 3\%$ . Test leads, battery.  $6\frac{7}{8} \times 5\frac{1}{4} \times 3\frac{1}{8}$ ".  
21 C 4219. Factory Assembled. Wt., 5 lbs. .... \$2.00  
21 C 4218. WV-38A(K). Kit Form. Wt., 5 lbs. .... \$38.00  
21 C 4220. WG-270A Case, Shpg. wt., 1 lb. .... \$5.25

**B** WV-500A Solid-State VoltOhmyst. Battery-operated voltmeter. Has 8 VDC ranges from 0.02 to 1500 V; seven AC (rms) ranges from 0.1 to 1500 V; AC (p-p) ranges from 0.5 to 4200 V. Ohms; 7 ranges from 0.2 ohm to 1000 meg. 11 megohm input resistance;  $\pm 3\%$  DC accuracy.  $6\frac{7}{8} \times 5\frac{1}{4} \times 3\frac{1}{8}$ ".  
21 C 4351. Shpg. wt., 5 lbs. .... \$75.00

**C** WT-501A In or Out-of-Circuit Transistor Tester. Tests  $I_{CBO}$ ,  $I_{CEO}$ , and DC Beta. Plots forward current transfer ratio up to 1 A; adjustable collector current. Front panel NPN, PNP sockets. Low impedance circuit. With leads, battery.  $6\frac{7}{8} \times 5\frac{1}{4} \times 3\frac{1}{8}$ ".  
21 C 4318. Shpg. wt., 4 lbs. .... \$66.75

**D** WV-98C VoltOhmyst. Precision voltmeter features easy-to-read  $6\frac{1}{2}$ " mirrored scale; 11-megohm input resistance;  $\pm 3\%$  accuracy. Reads: AC, DC volts, 0-1.5-5-15-50-150-500-1500 (plus 0-0.5 VDC range); 7 AC p-p ranges to 4200 V; 7 ohms ranges to 1000 meg.  $6\frac{1}{2} \times 7 \times 3\frac{3}{4}$ ". 105-125 V, 50-60 Hz AC.  
21 C 4211. Assembled. 8 lbs. .... \$88.50  
21 C 4210. WV-98C (K). Kit .... \$57.95

**E** WC-506A Transistor/Diode Checker. Checks relative gain and leakage of out-of-circuit transistors. Tests both NPN and PNP types. Also checks relative front-to-back ratio of diodes. Has transistor socket; color-coded test leads; easy-to-read meter. (Not for use with MOS or FET transistors.) Uses two 1.5 penlight batteries (not included).  $3\frac{3}{4} \times 6\frac{1}{4} \times 2$ ".  
21 C 4320. Wt., 1 lb. .... \$18.00



**NEW**

**\$1800**

## RCA Test Equipment Probes and Accessories

Stock No.	Type	Description	Wt.,	EACH
21 C 4212	WG-289	Extends WV-98C to 50 kV. Use multiplier below.	8 oz.	13.50
21 C 4209	WG-297	Extends WV-77E or WV-38A to 50 kV. Use multiplier.	8 oz.	13.50
21 C 4213	WG-206	1090 megohm multiplier for above HV probes.	2 oz.	3.75
21 C 4274	WG-210	900 megohm multiplier for above HV probes.	2 oz.	3.75
21 C 4275	WG-211	495 megohm multiplier for above HV probes.	2 oz.	3.50
21 C 4215	WG-301A	Crystal diode probe for WV-98C (to 250 MHz).	8 oz.	8.25
21 C 4366	WG-351A	Crystal diode probe for WV-77E (to over 100 MHz).	4 oz.	5.25
21 C 4279	WG-300B	Direct/low capacitance probe for RCA scopes.	4 oz.	11.00
21 C 4280	WG-302A	RF/IF/VF signal tracing probe. Slips on WG-300B.	2 oz.	9.00
21 C 4378	WG-350A	Demodulator probe for WO-33A oscilloscope.	4 oz.	5.25
21 C 4380	WG-349A	Direct/low capacitance probe for WO-33A scope.	4 oz.	6.75
21 C 4214	WG-299D	Switchable AC-Ohms/DC probe for use with RCA VoltOhmysts and VTVM's.	4 oz.	9.00
21 C 4321	WG-410A	Switchable AC-Ohms/DC probe. Identical to WG-299D except for type of connector.	4 oz.	9.00
21 C 4353	WG-411A	Slip-on High-voltage probe for WG-299D and WG-410A. To 50,000 volts when used with WG-206 multiplier.	12 oz.	13.50
21 C 4322	WG-415A	Alignment probe for VTVM or oscilloscope.	6 oz.	13.50
21 C 4323	WG-416A	I.F. Test Block. 180-ohm detector and IF transformer loading circuit. Connects to scope.	6 oz.	15.25
21 C 4457	WG-417A	Sound detector test block. For peak alignment of sound takeoff and audio driver transformers.	6 oz.	14.50
21 C 4458	WG-418A	Mixer grid matching pad. Couples generator output.	6 oz.	13.50
21 C 4459	WG-419A	Tuner IF input head. Matching pad couples sweep generator to IF input jack.	6 oz.	11.50
21 C 4460	WG-420A	Sound detector probe. Low-capacitance. For alignment of ratio detector transformer in sets with integrated circuit sound IF, amplifier and demodulator.	6 oz.	21.75
21 C 4198	WG-307B	TV bias supply kit. 3 output voltages, adj. 0 to -15 V for RF, IF or AGC bias.	1 1/2 lbs.	11.95
21 C 4196	WG-295C	Video multimarker. Provides 7 markers for response curves in color TV. Connects to sweep gen.	8 oz.	32.50
21 C 4197	WG-340B	RF Modulator. Checks response of TV receivers.	4 oz.	18.00



**NEW**

### R-C Substitution Box

**\$3000** 36 Resistors,  
\$5 monthly 18 Capacitors

**WG-412A.** For component substitution, circuit design. 36 resistor values (15 ohms to 10 meg). 18 capacitor values (100 pF to .22  $\mu$ F).  $\pm 10\%$  tolerance. One-watt resistors; 600-volt capacitors. Select values separately, in series, or parallel RC combinations. Plug-in test leads, clips.  $6\frac{7}{8} \times 5\frac{1}{4} \times 2\frac{3}{8}$ ". Shpg. wt., 1 3/4 lbs.  
21 C 4461. \$5 Monthly. .... \$30.00

See page 495 for RCA Test Gear in Kit Form

Use Allied's Credit Fund Plan to Buy All Your Test Equipment

**ALLIED 287**



# EICO Deluxe Test Instruments . .

For complete selection of Eico Kits, see pages 492-494

Generates Stable, Crystal-Controlled Patterns

**NEW**



**\$109.95** \$6 monthly

## Color Bar/Pattern Generator

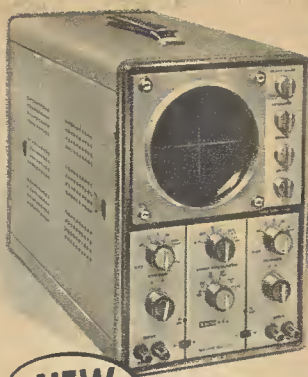
Model 385. New solid-state battery-operated, completely portable color bar/pattern generator boasts crystal-controlled patterns. Has versatile color-coded gun killers that eliminate any one color or combination of two or more colors from display. Generates 10 color bars; cross-hatch and dot patterns; horizontal and vertical lines. Feeds directly to TV antenna terminals. Carefully designed solid-state circuit: 13 transistors; 6 diodes, 3 crystals. Low current drain.  $2\frac{1}{2} \times 8\frac{1}{2} \times 8\frac{3}{8}$ ". With 6 "C" batteries, test leads. 21 C 4538 U. 9 lbs. \$6 Monthly. .109.95



**\$149.95** \$8 monthly

## 5" Wideband Scope

Model 460. Deluxe wideband 5" scope offers flat response of DC to 4.5 MHz, usable to 10 MHz. Easily reproduces 3.58 MHz color TV sync burst. Vertical sensitivity, 10 mV/inch. Input impedance, 3 meg shunted by 35 pF, 4-position attenuator. Full screen DC positioning; 2X horizontal. Sweep: 10 Hz to 100 kHz, plus low-frequency. Easy-to-read edge-lit scale. Plus, minus, internal, external and line frequency sync.  $13 \times 8\frac{1}{2} \times 16$ ". For 105-125 V, 50-60 Hz. Order probes from page 492. Shpg. wt., 25 lbs. 21 C 4157 U. \$8 Monthly. .149.95



**NEW** **\$249.95** \$13 monthly

## Professional 5" Scope

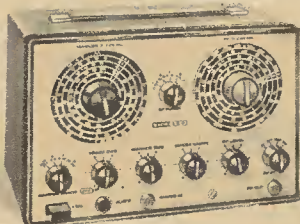
Model 465. Professional-quality wideband scope—ideal for color or black-and-white TV servicing. Vertical and horizontal AC-DC coupled amplifiers; flat response of DC to 8 MHz, usable to 10 MHz. Vertical and horizontal sensitivity; .05 volt p-p/cm. Zenner diode voltage calibration source; automatic sync limiter; full retrace blanking. Sweep range: 10 Hz to 100 kHz, plus 30 Hz vertical and 7875 Hz horizontal. Plus, minus, internal, external, line sync  $12\frac{3}{4} \times 8\frac{1}{2} \times 17\frac{1}{2}$ ". 117 VAC. Probes, page 492. 27 lbs. 21 C 4545 U. \$13 Monthly. .249.95



150 kHz to 435 MHz  
**\$44.95**  
\$5 monthly

## RF Signal Generator

Model 324. Stable RF signal generator, ideal for alignment and servicing of AM, FM radios, hi-fi's, other equipment. Provides 150 kHz to 435 MHz RF output. 150 kHz to 145 MHz on fundamentals (6 ranges). Accuracy,  $\pm 1.5\%$ . Has internal 400-Hz modulation variable 0-50%. Also takes external modulation sources. RF attenuators; 6:1 vernier drive. Rugged case,  $8 \times 10 \times 4\frac{3}{4}$ ", carrying handle. 117 VAC. Wt., 10 lbs. 21 C 4140. \$5 Monthly. .44.95



Post Injection Marker  
**\$149.95**  
\$8 monthly

## Sweep-Marker Generator

Model 369. Features post injection marker system, signals are unaffected by receiver circuit. 5 sweep ranges cover 3.5 to 316 MHz. 3 marker ranges cover 2 to 75 MHz on fundamentals, 60- to 225 MHz on harmonics. 4.5 MHz crystal supplied for accurate marker check. 6:1 vernier drive; easy-to-read 360° scales. Retrace blanking for scope, 3-stage AGC circuits. 50 ohms.  $8\frac{1}{2} \times 12\frac{1}{2} \times 7$ ". 110-120 V, 50-60 Hz AC. 18 lbs. 21 C 4308 U. \$8 Monthly. .149.95



20 Hz to 200 kHz  
**\$54.95**  
\$5 monthly

## Sine/Square Wave Generator

Model 377. For radio and TV servicing. Sine wave range covers 20 Hz to 200 kHz in 4 bands. Response:  $\pm 1\frac{1}{2}$  dB, 60 Hz to 150 kHz. Square wave range, 60 Hz to 50 kHz in 4 bands. Output, 10 volts across 10K ohms. Hum, under 0.4% of rated output. Accuracy,  $\pm 3\%$ . Wien Bridge oscillator circuit uses 1% resistors. Choke filtering in power supply.  $7\frac{1}{2} \times 11\frac{1}{2} \times 7\frac{3}{8}$ ". For 110-120 V, 50-60 Hz AC. Shpg. wt., 14 lbs. 21 C 4134 X. \$5 Monthly. .54.95



**NEW**

Even Handles Latest Color CRT Types

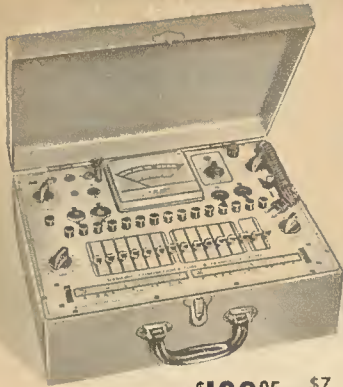
**\$99.95**  
\$5 monthly

## Deluxe CRT Tester/Rejuvenator

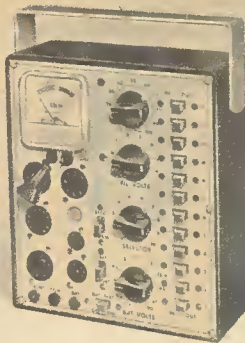
Model 633. Deluxe tester/rejuvenator handles most black-and-white or color CRT's, even latest types. Features high-voltage output of 1-KVDC for rejuvenation, welding and short-clearing procedures; 150 volt negative DC for variable grid cutoff; variable filament supply in three ranges: 0-5, 5-10, 10-15 V. Grid cutoff, filament voltage and beam current are read on  $4\frac{1}{2}$ " meter; pushbuttons for short-open, beam current, gas and life testing. Panel switch selects individual guns of color CRT's for testing. Has transformer-isolated power supply. Luggage-type case,  $9\frac{3}{4} \times 12 \times 5$ ". With tube chart, cables. 117 VAC. Wt., 12 lbs. 21 C 3540 U. \$5 Monthly. .99.95



# .. Fully Assembled and Ready-to-Use



**\$139<sup>95</sup>** \$7  
monthly



**\$44<sup>95</sup>** \$5  
monthly

Low Price, Top  
Performance

For complete  
selection of  
Eico kits, see  
pages 492-494



**\$69<sup>95</sup>** \$5  
monthly

**NEW**

## Tube and Transistor Tester

**Model 667.** Combines mutual conductance (Gm) and plate conductance (Gp) tests with peak emission test—gives single reading of tube quality. Gain, leakage test for transistors. Tests all standard tube types, plus special purpose, VR's, cold cathode regulators, electron-ray indicators.  $4\frac{1}{2}$ " meter; multi-circuit level switch.  $4\frac{1}{2} \times 15 \times 12$ ". 115 VAC, 23 lbs.  
21 C 4142 U. \$7 Monthly. . . . . 139.95  
21 C 4144. Model CRU CRT Adapter. For all Eico tube testers. 1 lb. . . . . 9.95

## Tube and Battery Tester

**Model 636.** Tests 800 radio and TV tube types for cathode emission, leakage, shorts, open elements, intermittents. Go/No-Go continuity test. Sockets: octal, loctal, 7- and 9-pin miniature; novar, nuvistor, compactron. Tests, under load, commonly used batteries from 1.5 to 90 volts in 11 ranges. 3-color meter; neon lamp short indicator. Transformer power supply. Black bakelite case,  $8\frac{3}{8} \times 7\frac{1}{2} \times 3\frac{1}{8}$ ". For 117 VAC. Tube manual.  
21 C 4238. 4 lbs. \$5 Monthly. . . . . 44.95

## Portable Tube Tester

**Model 635.** New tube tester offers top performance at a modest price. Tests all tubes for dynamic cathode standard emission, shorts, grid leakage and gas. Even handles new decals, magnonovals, 7-pin nuvistors and all popular TV picture tubes. Has accurate meter bridge circuit; pin straighteners for all types; burnout-protected  $3\frac{1}{2}$ " D'Arsonval meter. Shorts, grid leak and power indicators. Luggage case,  $8\frac{1}{2} \times 11\frac{3}{8} \times 3\frac{1}{4}$ ". 117 VAC. Shpg. wt., 4 lbs.  
21 C 4542. \$5 Monthly. . . . . 69.95



**7 $\frac{1}{2}$ " VTVM** \$59<sup>95</sup> \$5  
monthly

**Model 249.** Deluxe VTVM has burnout-proof circuit; exclusive "Uni-Probe"; easy-to-read  $7\frac{1}{2}$ " meter. Ranges: AC p-p V, 0-4-14-42-140-420-1400-4200. DC rms V, 0-1.5-5-15-50-150-500-1500. AC response, 30 Hz to 3 MHz. 7 ohms ranges, 0.2 ohm to 1000 meg. Balanced bridge circuit; 1% multipliers; zero center scales.  $8\frac{1}{2} \times 13 \times 5$ ". 117 VAC. Wt., 9 lbs.  
21 C 4234. \$5 Monthly. . . . . 59.95

## Versatile 4 $\frac{1}{2}$ " VTVM

**\$49<sup>95</sup>**  
\$5 monthly



**Model 232.** Versatile VTVM has  $4\frac{1}{2}$ " meter, "no-burnout" circuit. Single "Uni-Probe" lets you measure AC, DC or ohms with one probe. Balanced bridge, 1% multipliers. Ranges: AC p-p V, 0-4-14-42-140-420-1400-4200. DC rms V, 0-1.5-5-15-50-150-500-1500. 0.2 ohm to 1000 meg (7 ranges). Response, 30 Hz to 3 MHz. Size,  $8\frac{1}{2} \times 5 \times 5$ ". 117 VAC. 5 lbs.  
21 C 4236. \$5 Monthly. . . . . 49.95

## Professional 6" VTVM

**\$69<sup>95</sup>**  
\$5 monthly



**Model 235.** Measures to 0.01 volt on  $\frac{1}{2}$ -volt DC transistor range. 2-color 6" meter; 200  $\mu$ A. Impedance, over 11 meg. Ranges: VDC, 0-0.5-1.5-5-15-50-150-500-1500. p-p VAC, 0-4-14-42-140-420-1400-4200. rms VAC, 0-1.5-5-15-50-150-500-1500. 7 resistance ranges, 0.2 ohms to 1000 meg. Response, 30 Hz to 3 MHz.  $8\frac{1}{2} \times 7\frac{1}{2} \times 5$ ". "Uni-Probe." 117 V, 60 Hz AC. 9 lbs.  
21 C 4356. \$5 Monthly. . . . . 69.95



**\$34<sup>95</sup>** **31-Range VOM**  
20,000 Ohms per Volt

**Model 565.** 20,000 ohms/volt DC sensitivity;  $4\frac{1}{2}$ " meter. Ranges: AC, DC output V, 0-2.5-10-50-250-1000-5000. (AC at 1000 ohms/V.) DC, 0-100  $\mu$ A; 0-10-100-500 mA, 0-10 A. 2K-200K ohms; 0-20 meg.-12 to +55 dB. With batteries, less leads.  $6\frac{3}{4} \times 5\frac{1}{4} \times 3$ ". Wt., 4 lbs.  
21 C 4269. \$5 Monthly. . . . . 34.95  
21 C 4271. Model 555. Above, with 1% resistors. \$5 Monthly. . . . . 39.95

**\$25<sup>95</sup>** **38-Range VOM**  
1000 Ohms per Volt

**Model 566.** Has  $4\frac{1}{2}$ " meter, rectifier in dual half-wave hookup; divider resistors. AC/DC ranges: 0-1-5-10-50-100-500-5000 V at 1000 ohms/volt. 0-1-10 mA, 0-0.1-1A. 0-5K-10K ohms, 0-1 meg. -2 to +69 dB.  $6\frac{3}{4} \times 5\frac{1}{4} \times 3$ ". With batteries, less leads. Wt., 3 lbs.  
21 C 4261. \$5 Monthly. . . . . 25.95  
21 C 4263. Model 556. Above, with 1% resistors. \$5 Monthly. . . . . 29.95

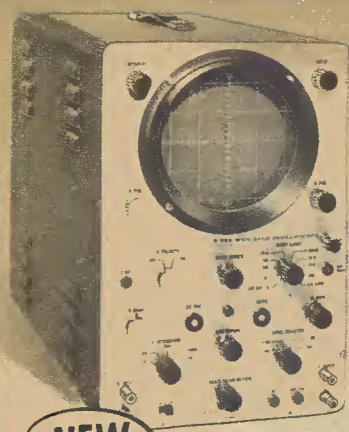


Buy Your Test Equipment with Allied's Credit Fund Plan

ALLIED 289



# Precision-Apparatus Test Gear



**NEW**

**Model S-55A 5" DC-5 MHz Wideband Scope**

**\$199<sup>95</sup>**

AC-DC Coupled Amplifiers . . . 5 Sweep Ranges

\$10 monthly

Deluxe 5" scope for critical service needs. Response, DC to 4.5 MHz ( $\pm 3$  dB), to 5 MHz ( $\pm 5$  dB). AC, 1 Hz to 4.5 MHz ( $\pm 3$  dB), to 5 MHz ( $\pm 5$  dB). Sensitivity: DC, 70 mV/inch; AC, 25 mV/inch. Has 3-stage push-pull vertical amplifier; regulated calibration voltage; 5 sawtooth sweep ranges, 10 Hz-500 kHz. Automatic sync; vertical polarity reversing switch; frequency-compensated step attenuator; TV-V and TV-H positions. Input: 5 megs shunted by 23 pF. Has 5" CRT, illuminated graticule, camera mounts, 17 $\frac{1}{4}$ x13 $\frac{3}{8}$ x8 $\frac{3}{4}$ ". 117 V, 50-60 Hz AC. 21 C 4546 U. Wt., 30 lbs. . . . . 199.95



**Model E-200C Multiband RF Signal Generator**

**\$149<sup>95</sup>**

88 kHz to 440 MHz Coverage . . 0-100% Variable Modulation

\$8 monthly

For TV marker, TV trap alignment, FM and AM receiver alignment, AFC substitution. Fundamental coverage, 88 kHz to 110 MHz (to 440 MHz on harmonics). Has AVC-AGC substitution system; 0-100% continuously variable modulation control. Four outputs: modulated (400 Hz) RF, unmodulated RF; externally modulated RF; 400-Hz audio. Sine-wave audio output is adjustable 0-80 V peak. Also has 0-100 point vernier scale, dual-shielded RF attenuators, 6 $\frac{1}{2}$ " scale, 1% accuracy on all ranges. With all cables. 13x11 $\frac{1}{2}$ x6 $\frac{5}{8}$ ". For 117 V, 60 Hz AC. 21 C 4289 U. Wt., 16 lbs. . . . . 149.95



**Model E-410C Sweep Generator/Marker Adder**

**\$189<sup>95</sup>**

Fundamentals to 213 MHz . . Continuous Variable Sweep

\$10 monthly

Maintenance and alignment of TV, FM and other wideband high-frequency circuits. Five-band coverage, 3-213 MHz; (sideband coverage 400-1080 MHz). Continuously variable sweep width: 0-3 MHz on band A; 0-30 MHz on Band D. Internal blanking, automatic gain control. Crystal-controlled, fixed-frequency markers (crystal socket on front panel). External marker input connector. Separate line filter and continuously variable attenuators. With 4.5 MHz crystal, 5 output cables. Case, 13x8 $\frac{1}{2}$ x7", carrying handle. For 110-130 V, 50-60 Hz AC. 21 C 4520 U. Wt., 15 lbs. . . . . 189.95



Extro Low-Ohms, Current, and Voltage Ranges For Solid-State Work

**\$59<sup>50</sup>**

\$5 monthly

**Model 120 VOM**

No-parallax scale; meter protection; polarity reversing switch. 61 ranges: AC and DC volts to 6000; DC current to 12 A; Ohms to 20 megs; -20 to +77 dB.  $\pm 2\%$  DC,  $\pm 3\%$  AC accuracy. AC to 100 kHz. 7x5 $\frac{3}{8}$ x3 $\frac{1}{8}$ ". Leads, batts. 21 C 4283. Shpg. wt., 4 lbs. . . . . 59.50  
21 C 4522. 120M VOM.  $\pm 1\frac{1}{2}\%$  DC,  $\pm 3\%$  AC acc. 4 lbs. . . . . 69.50  
21 C 4523. TV-2C HV Probe. Reads to 30,000 VDC. Wt. 2 lbs. . . . . 12.95  
21 C 4285. LC-3 Leather Case. For 120 or 120M. 12 oz. . . . . 8.95

**Model V75 VTVM**

VTVM features built-in battery-eliminator for ohmmeter. Polarity reversing switch; pilot light; 400- $\mu$ A burnout-protected meter movement; zero-center scale. Reads AC (rms) and DC V to 1500; AC (p-p) V to 1400. Ohms to 1000 megs. Accuracy,  $\pm 5\%$  AC,  $\pm 3\%$  DC. 7 $\frac{1}{2}$ x5 $\frac{3}{8}$ x4 $\frac{1}{4}$ ". For 117 V, 50-60 Hz AC. 21 C 4519. Wt., 6 lbs. . . . . 59.95  
21 C 4524. V-95 VTVM. 7-inch mirrored scale, 0.5 VDC range. 79.95  
21 C 4456. AV-2A HV Probe. Reads to 60,000 VDC. Wt., 1 lb. . . . . 12.95  
21 C 4521. AV-1A RF Probe. Frequency to 250 MHz. Wt., 1 lb. . . . . 7.95

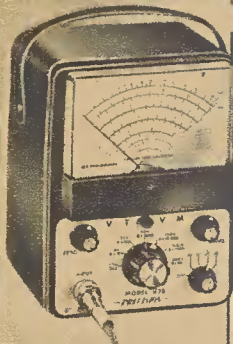


**Model E-310**  
**\$199<sup>95</sup>**  
\$10 monthly

**Sine/Square Wave Generator**

- Covers 5 Hz to 600 kHz in 5 Bands
- Easy-to-Read 6" Fine-Tuning Dial
- Distortion Under 1% at 10 V rms

Fundamental coverage from 5 Hz to 600 kHz in five bands. Ideal for measuring frequency response; radio-TV alignment; finding L-C combinations; more.  $\pm 2\%$  accuracy, 50 Hz to 600 kHz;  $\pm 1$  Hz from 5-50 Hz. Less than 1% distortion at 10 V rms output, at all frequency levels. Output,  $\pm 1$  dB from band to band. 6" fine-tuning dial with clearly calibrated scales. Four-position step attenuator; continuous amplitude control. No zero setting—long term stability. Output level: sine wave, 10 V rms (600 ohms); square wave, 10 V p-p. Rise time, 0.20  $\mu$ sec. 9x11 $\frac{1}{2}$ x11 $\frac{1}{4}$ ". For 110-120 V, 50-60 Hz AC. 21 C 4287 U. Shpg. wt., 24 lbs. . . . . 199.95



Battery Eliminator, Single AC-Ohms/DC Probe

**\$59<sup>95</sup>**

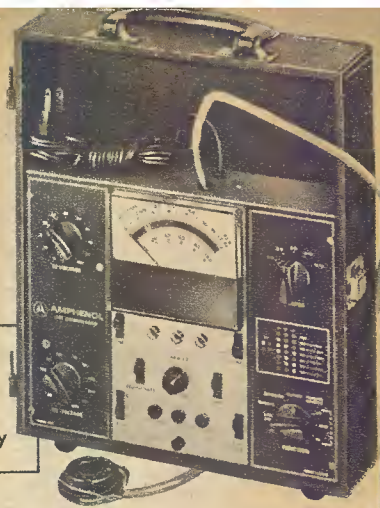
\$5 monthly



# Values in Test Equipment



**Model 880 Stereo Commander**  
**\$329<sup>95</sup>** \$16 monthly



**Model 857 CRT Commander**  
**\$99<sup>95</sup>** \$5 monthly

## Amphenol Model 880 Complete Stereo Tester

Deluxe new test instrument is actually a complete stereo testing laboratory in one compact unit! Seven instruments in one: audio generator, intermodulation analyzer, AC voltmeter; multiplex generator; impedance bridge; marker oscillator; RF/Sweep oscillator. Has zener diode regulation; solid-state circuit. Multiplex generator has 5 V p-p output, 35 dB separation. 10.7 MHz crystal-controlled marker oscillator. Voltmeter reads to 1000 Vrms. Sweep adjusts from 95-105 MHz; sweep width adjustable 0 to 1.5 MHz. Measures IM distortion to 100%; impedances from 1 ohm to 20 K ohms. Compact, luggage-type case, 9<sup>3</sup>/<sub>4</sub> x 11<sup>1</sup>/<sub>2</sub> x 6". Tool pocket, removable lid. With leads. 117 VAC. 21 C 4439 U. Shpg. wt., 9 lbs. \$16 Monthly.....329.95

## Amphenol Model 857 CRT Tester/Rejuvenator

For color, B&W. Tests significant characteristics in the manner recommended by tube manufacturers. Also is especially designed for making internal high-voltage leakage tests and 2nd-anode voltage tests. Voltmeter measures to 50 kV DC (with optional probe below). Reads gas directly on sensitive 50- $\mu$ A meter. Has Good-?-Replace scale; easy-action selector switches. Three-step rejuvenation process greatly increases tube life. Luggage-type case, 10<sup>1</sup>/<sub>2</sub> x 4<sup>3</sup>/<sub>4</sub> x 12<sup>5</sup>/<sub>8</sub>". With tube chart (lists over 1000 types), all connectors. For 110-120 V, 60 Hz AC. 21 C 4440 U. Shpg. wt., 5 lbs. \$5 Monthly.....99.95  
 21 C 4441. 857-9 HV Probe. To 50 kV DC. 3 oz.....12.95



### Handy Low-Cost Testers

- A** Emico AC Voltage Tester. Plugs into AC outlet, detects high or low line voltage. 0-150 volt range. Prongs swivel 90°. Damped 2" meter,  $\pm$ 5% accuracy. Shockproof. 21 C 4368. Shpg. wt., 8 oz.....3.38
- B** AMF Circuit Tester. Glow tester checks shorts, continuity, grounds, opens. Dim light indicates poor connection. No light when resistance exceeds 10 ohms. Use for dead circuits only. Requires 2 penlight cells. 21 C 4370. Shpg. wt., 3 oz.....1.66
- C** G-C Neon Glow Tester. Use for finding hot AC leads, checking fuses, appliance repair. Lights from 60 VAC-90 VDC to 550 VAC-VDC. With 5" leads. Shpg. wt., 3 oz. 21 C 4369......44¢  
 21 C 4442. G-C Neon Glow Tester. As above, for 5 to 50 volt circuits. 5" leads. Shpg. wt., 3 oz.....99¢

### Amprobe Jr. Volt-Amp Testers

Snap-around volt-amp testers provide  $\pm$ 3% accuracy at full scale. For conductors up to 1/2" diameter. Scale length, 1.8". Overall size, 4<sup>3</sup>/<sub>4</sub> x 2<sup>1</sup>/<sub>2</sub> x 1<sup>5</sup>/<sub>8</sub>". With leads. Order leather carrying case below. Shpg. wt., 1 lb.



Stock No.	Model	AC Voltage Range	Amps	EACH
51 C 9089	V25	0-125-250	0-25	24.50
51 C 9168	V350	0-150-600	0-50	24.50
51 C 9169	V500	0-150-600	0-100	24.50

51 C 9105. Carrying Case for Above. Shpg. wt., 1 lb... 3.25

### "Metergard" Prevents Meter Damage

Use with VOM's, VTVM's, any test instruments with meters. Prevents bent pointers, damaged pivots and coils. Wires across 25  $\mu$ A to 25 mA meter. Protects against 10,000% overload. 51 C 5627. Shpg. wt., 2 oz.....2.95

Low-Cost Protection!  
**\$2<sup>95</sup>**



### D New! Millen 90651-A Grid-Dip Meter

Has stable RF oscillator, solid-state DC amplifier and voltmeter. Taut band movement. 2" meter reads from 1.7 to 300 MHz. Plug-in coils; 7 direct-reading scales. 7 x 3<sup>3</sup>/<sub>16</sub> x 13<sup>3</sup>/<sub>8</sub>" high. 110-120 V, 60 Hz AC. 21 C 4331. Shpg. wt., 8 lbs. \$5 Monthly.....90.00  
 21 C 4324. Type 90651. Above, less DC amp.....78.50  
 Extra Coils. To extend frequency coverage. Wt., 3 oz.

Stock No.	Mfr's Type	kHz Range	EACH
21 C 4325	46702	925-2000	9.40
21 C 4326	46703	500-1050	9.40
21 C 4327	46704	325-600	9.40
21 C 4328	46705	220-350	9.40
21 C 4443	46706	165-225	9.40

### Don Bosco Pen-Size Signal Tracers

- E** "Mosquito." Locates defective circuits. Cordless, detachable probe. Transistor oscillator generates signals rich in IF and RF harmonics. Couples to magnetic circuits without leads. Powered by 1 penlight-battery (included). 5<sup>5</sup>/<sub>8</sub>" long, 1/2" dia. 21 C 4301. Shpg. wt., 3 oz.....9.95
- F** Stethotrocer. Detects low-level mW audio or modulated RF signal. Range, 60 Hz to 200 MHz. 60 dB gain. 5<sup>5</sup>/<sub>8</sub>" long, 1/2" dia. Earphone, 3 attenuator probes, crystal-diode probe, ground clip lead, battery. 21 C 4292. Shpg. wt., 3 oz. \$5 Monthly.....34.95

Make Allied Your Headquarters for Electronic Test Equipment



# Popular Simpson Test Equipment

## Low-Cost Model 260-5 VOM

- Sensitivity: 20,000 Ohms/VDC; 5000 Ohms/VAC
- Accurate Within  $\pm 2\%$  an DC,  $\pm 3\%$  an AC
- Spring-Backed Jewel Movement for High Accuracy

260-5  
**\$6200**  
\$5 monthly

Highly-reliable, low-cost VOM boasts spring-backed jewel meter movement; DC polarity reversing switch; full-wave bridge rectifier for fast, easy, accurate readings. Has AC response from 5 to 50 kHz; AC accuracy of  $\pm 3\%$ ; DC accuracy of  $\pm 5\%$ . Ranges: DC mV, 0-250; AC and DC V, 0-2.5-10-50-250-1000-5000; AF Output V, 0-2.5-10-50-250; DC  $\mu$ A, 0-50; DC mA, 0-10-100-500; DC amps, 0-10; Resistance, 0-20 megs in 3 ranges with center-scale readings of 12, 1200 and 120K ohms; Decibels, -20 to +50 in 4 ranges. Rugged case,  $7 \times 5 \frac{1}{4} \times 3 \frac{1}{8}$ ". Battery, test leads.



VOM Shown with Plug-In Adapter

51 C 9199. Shpg. wt., 5 lbs. \$5 Monthly..... 62.00

51 C 5035. Model 260-5P VOM. Has the same fine features as above, but is also equipped with special sensor device for complete protection against overloads and burnouts. With test leads and battery. Shpg. wt., 5 lbs. \$5 Monthly..... 94.00

51 C 9200. Model 260-5RT. Model 260-5 in roll-top case. Size,  $9 \times 6 \frac{3}{4} \times 4 \frac{3}{4}$ ". Shpg. wt., 9 lbs. \$5 Monthly..... 68.00

51 C 9586. 260-5M RT. Model 260-5 in roll-top case, with mirrored scale to eliminate parallax.  $10 \frac{1}{2}$  lbs..... 70.00

## Accessories for Simpson Series 260 and 270 VOM's

Probes, Leads and Carrying Cases. Burnout-proof Model 260-5P takes all accessories below, except Type 8375 Test Leads. See table for other models.

Stock No.	Type	Description	For Models	Lbs.	EACH
51 C 9210	0508	HV probe; 25 kV range	260-3, 4 or 5	$\frac{1}{2}$	16.00
51 C 9202	0509	HV probe; 50 kV range	260-3, 4 or 5	$\frac{1}{2}$	16.00
51 C 9196	8375	Leads; alligator clips & terms	260-3	$\frac{1}{2}$	2.75
51 C 9203	7500	Leads; banana plugs allig. clip	260-4	1	2.75
51 C 9151	0805	Ever-Ready Leather Case	260, 270, 303	2	13.00
51 C 9162	1818	Standard Leather Case	260, 270	2	11.00

Plug-In Adapters. Turn any 260 or 270 made since 1947 into 8 different testers.  $4 \frac{3}{8} \times 5 \frac{3}{8} \times 3 \frac{1}{16}$ ". 2 lbs.

Stock No.	Type	Function	Description	EACH
51 C 9334	650	Transistor Tester	0-100 $\mu$ A $I_{co}$ , 3 beta ranges	41.00
51 C 9335	651	DC VTVM	0.5-1.0-2.5-5-10-25-50-100-250-500 V	48.00
51 C 9337	652	Temperature Tester	-50° to +250° F, in 2 ranges	46.00
51 C 9338	653	AC Ammeter	0.025-1.25-12.5-25 A; 50-3000 Hz	28.00
51 C 9339	654	Audio Wattmeter	17 $\mu$ W to 100 W, 4, 8/16/600 ohms	30.00
51 C 9340	655	Microvolt Attenuator	2.5-250,000 $\mu$ V, decade steps	28.00
51 C 9342	656	Battery Tester	Up to 90 volts	28.00

## Complete Line of Simpson Test Equipment

(As Simpson Releases New Test Equipment, Allied Will Place It in Stock)

### SIMPSON VOM'S

Stock No.	Mfr's Type	Description	Wt., Lbs.	EACH
51 C 9591	160	Compact VOM	6	53.00
51 C 9619	250	VOM	4	68.00
51 C 9620	255	VOM	4	90.00
51 C 9589	260	Classroom Demonstrator VOM	15	24.50
51 C 9154	262	Microammeter VOM	6	80.00
51 C 9212	263	Dual-Sensitivity VOM	4	94.00
51 C 9153	269-2	Microammeter VOM	6	95.00
51 C 9209	270	AC-DC VOM	5	75.00
51 C 9228	270RT	AC-DC VOM	5	81.00

### SIMPSON VTVM'S

Stock No.	Mfr's Type	Description	Wt., Lbs.	EACH
51 C 9148	303	AC-DC VTVM	6 $\frac{1}{2}$	90.00
51 C 9152	303RT	AC-DC VTVM	8	97.00
51 C 9587	311	AC-DC VTVM	8	91.00
51 C 9623	312	AC-DC VTVM	5	93.00
51 C 9239	715	AC VTVM	5	80.00

### OTHER SIMPSON TEST EQUIPMENT

Stock No.	Description	Wt., Lbs.	EACH
51 C 9163	240 VOM/Hammeter	3	43.00
51 C 9254	355 VOM/Midgester	2	50.00
51 C 9197	362 Low Ohmmeter Micro-Tester	3	37.00
51 C 9165	370 AC Ammeter Micro-Tester	3	37.00
51 C 9166	372 Ohmmeter Micro-Tester	3 $\frac{1}{2}$	37.00
51 C 9204	373 DC Milliammeter Micro-Tester	3	37.00
51 C 9205	374 DC Microammeter Micro-Tester	3	37.00
51 C 9206	375 DC Ammeter Micro-Tester	3	37.00
51 C 9207	385-3L Temperature Meter	2	43.00
51 C 9159	388-3L Thermometer	6	80.00
51 C 9201	389-3L Temperature Meter	6	75.00
51 C 9164	390 Volt-Amp-Wattmeter	4	65.00
51 C 9850	603 Strip Chart Recorder 0-50 Mic. DC	4	107.00
51 C 9851	603 Strip Ch't Recorder 0-100 Mic. DC	4	102.00
51 C 9852	603 Strip Ch't Recorder 0-250 Mic. DC	4	98.00
51 C 9853	603 Strip Chart Recorder 0-1 mA DC	4	90.00
51 C 9854	603 Strip Chart Recorder 0-15 V DC	4	97.00
51 C 9855	603 Strip Chart Recorder 0-150 V DC	4	96.00
51 C 9856	603 Strip Chart Recorder 0-5 V AC	4	102.00
51 C 9857	603 Strip Chart Recorder 0-150 V AC	4	102.00
51 C 9858	603 Strip Chart Recorder 0-300 V AC	4	104.00
51 C 9624	X604 Volt-Amp-mA- $\mu$ A Multicorder	6	200.00

### SIMPSON SCOPE

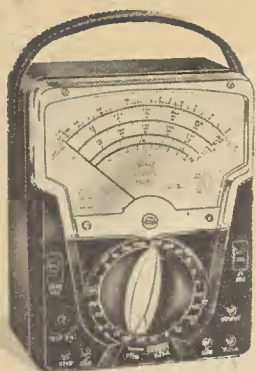
Stock No.	Mfr's Type	Description	Wt., Lbs.	EACH
51 C 9643	U 466	15" Handiscope	29	190.00

### SIMPSON ACCESSORIES

Stock No.	Description	Wt., Lbs.	EACH
51 C 5136	0010 15' Thermistor Lead, 385-3L, 389-3L	$\frac{1}{2}$	7.50
51 C 9150	0073 RF Probe for Model 303	1	10.75
51 C 9149	0074 High Voltage Probe for Model 303	1	16.00
51 C 9604	0152 RF Probe for Model 312	1	10.75
51 C 9213	0158 High Voltage Probe for Model 263	1	16.00
51 C 9626	0161 High Voltage Probe for Model 255	1	16.00
51 C 5289	0173 High Voltage Probe for Model 269	2	16.00
51 C 9158	0181 High Voltage Probe for Model 269	2	16.00
51 C 9160	0187 Surface Temperature Probe, 388-3L	1	10.75
51 C 9161	0190 General Purpose Probe	1	6.50
51 C 5137	0216 30' Thermistor Lead, 389-3L, 385-3L	1	9.00
51 C 5138	0415 50' Thermistor Lead, 389-3L, 385-3L	1 $\frac{1}{2}$	10.00
51 C 5140	0417 150' Thermistor Lead, 389-3L, 385-3L	4 $\frac{1}{2}$	17.00
51 C 9210	0508 High Voltage DC Probe	$\frac{1}{2}$	16.00
51 C 9202	0509 High Voltage DC Probe	$\frac{1}{2}$	16.00
51 C 9625	0531 Clamp-on Adapter Model 255	1	30.00
51 C 9622	0549 Carrying Case	2	19.00
51 C 9621	0574 High Voltage Probe Case	1	5.50
51 C 9606	0577 Case for Model 312	2	16.00
51 C 9862	0683 Special Gear Train Unit for 604	$\frac{1}{4}$	30.00
51 C 9211	0731 High Frequency Probe, Model 311	1	16.00
51 C 9208	0732 High Voltage Probe, Model 311	1	16.00
51 C 5135	0789 Free-Air Temp. Probe, 385-3L	1	11.00
51 C 5141	0790 Surface Temperature Probe, 389-3L	1	7.50
51 C 9863	02611 Ever-Ready Carrying Case for 604	1 $\frac{1}{2}$	27.00
51 C 9605	0155 High Voltage Probe, Model 312	1	16.00
51 C 9593	2055 Probe Tip Test Lead, Model 160	1	3.00
51 C 9594	2225 Carrying Case for Model 160	1	10.00
51 C 9225	4236 Carrying Case, 250, 260, 261, 270	2	15.00
51 C 9155	5262 Carrying Case, Models 262, 269	2	13.00
51 C 9157	6355 Leather Case for 355 VOM	$\frac{1}{2}$	5.50
51 C 9198	8600 Extra Lead for 355 VOM	$\frac{1}{2}$	3.00
51 C 9615	2612 Chart Paper for Model 604 (Box of 10 rolls)	2	19.50
51 C 9859	20196 Carrying Case for Model 603	2	21.40
51 C 9860	20195 Takeup Reel for Model 603	1	16.00
51 C 9861	20097 Chart Paper for Model 603 (Box of 6 Rolls)	1	14.50



# Accurate, Easy-to-Use Instruments by Triplett



**Model 631 VTVM-VOM**

11-Meg VTVM Input **\$82<sup>00</sup>** \$5 monthly



**Model 630 VOM**

.1 Ohm to 100 Megs **\$61<sup>00</sup>** \$5 monthly



**\$44<sup>00</sup>** **Model 310**  
\$5 monthly **Compact VOM**

VTVM and VOM at the price of a single tester. Single-switch selector for VTVM or VOM operation. Large easy-to-read 5½" meter with unbreakable face. Spring-backed jewels for ruggedness. Long-life battery operation. Accuracy: VOM, 3% DC, 4% AC; VTVM, 4%. Ranges: VTVM DCV, 0-1.2-6-30-120 (11 megs input imp.); VOM DC volts, 0-3-12-60-300-1200 (20,000 ohms/volt); AC and audio volts, 0-3-12-60-300-1200 (5000 ohms/volt); DC current, 0-60 µA, 0-1.2-12-120-1200 mA, 0-12 amps; dB, -20 to +63; Ohms, 0-1500-15K, 0-1.5-150 megs. 7½x5½x3½". With test leads, alligator clips, batteries, rubber feet, and detailed instruction manual. Shpg. wt., 4½ lbs.  
51 C 9113. \$5 Monthly.....82.00

Has the accuracy of some VOM's costing much more. 1% ultra-accurate resistors give ±2% accuracy on DC, ±3% on AC. Usable through 500 kHz. Single selector switch for all functions and ranges minimizes chance of an incorrect setting and possible burnout. Resistance can be accurately read from .1 ohm to 100 megs. DC voltmeter sensitivity, 20,000 ohms/V, AC, 5000 ohms/V. Ranges: DC and AC volts, 0-3-12-60-300-1200-6000; DC current, 0-60 µA, 0-1.2-12-120 mA, 0-12 amps; Resistance, 0-1000-10,000 ohms, 0-1-100 megs; Decibels, -20 to +70 (600-ohm line at 1 mW); Output volts, 0-3-12-60-300-1200 (jack has capacitor). 7½x5½x3½". Batteries, leads, manual. 6 lbs.  
51 C 9118. \$5 Monthly.....61.00

Popular, compact VOM. Small, but no sacrifice in range, quality, or workmanship. Provision for attaching Model 10 clamp-on AC ammeter. Interchangeable test prod can be plugged into jack at top of VOM to make it the common probe and free one hand. Single function and range switch. Rugged spring-backed jeweled movement. Self-shielded for use in strong magnetic fields. Sensitivity, 20,000 ohms/V DC, 5000 ohms/V AC. Accuracy, ±3% DC, ±4% AC. Ranges: DC and AC volts, 0-3-12-60-300-1200; DC mA, 0-6-60-600; DC µA, 0-600; Resistance, 0-20K-200K ohms, 0-2-20 megs. Size, 4¼x2¾x1½". With batteries, leads, manual. 4 lbs.  
51 C 9667. \$5 Monthly.....44.00

## Complete Line of Triplett Test Equipment

(As Triplett Releases New Test Equipment, Allied Will Place It in Stock)

Here is Triplett's entire line of VOM's and other test equipment, featuring high quality and accuracy. In Triplett's extensive line of VOM's you get large, easy-to-read red-printed scales; easy-to-operate single-switch function and range selector; more ohmmeter ranges to allow higher and lower readings; fuse protection in ohmmeter ranges to prevent damage to precision resistors; self-shielded Bar-Ring

meter construction to protect movement against stray magnetic fields; spring-backed instrument jewels to give additional ruggedness to meter movement; heavy-duty phenolic case to protect instrument against damage from rough handling. Feature-packed Triplett instruments are not only versatile, easy to operate, and accurate, but offer outstanding value for your test equipment dollar.

### TRIPLETT VOM'S

Stock No.	Mfr's Type	Description	Wt., Lbs.	EACH
51 C 5095	100	VOM and AC Ammeter Outfit	7	78.00
51 C 5096	310C	VOM	2	56.00
51 C 9121	630A	VOM	5	71.00
51 C 9690	630APL-3	VOM	5	71.00
51 C 9693	630APLK	Burnout-Proof VOM	5	105.00
51 C 9692	630L	VOM	5	66.00
51 C 9230	630M	Professional VOM	5	220.00
51 C 9110	630NA	Deluxe VOM	5	93.00
51 C 9691	630NS	200,000 Ohms/Volt VOM	5	110.00
51 C 9229	630PIL	VOM	5	61.00
51 C 5299	630PLK-3	Burnout-Proof VOM	5	93.00
51 C 9114	666R	Pocket VOM	3	44.00
51 C 9071	800	Lab-Type VOM	7	110.00

### OTHER TRIPLETT TEST EQUIPMENT

Stock No.	Mfr's Type	Description	Wt., Lbs.	EACH
51 C 9618	2590	Transistor Tester	6½	71.00
51 C 9645	3414	Tube Tester	16½	132.00

### TRIPLETT VTVM

Stock No.	Mfr's Type	Description	Wt., Lbs.	EACH
51 C 9257	850	VTVM	7	93.00

### TRIPLETT ACCESSORIES

51 C 9231	10	AC Ammeter Adapter	1	20.00
51 C 9232	101	Line Separator for Model 10	1	8.00
51 C 9235	311	Lead for Model 10	½	3.20
51 C 9195	379	Leather Case for Model 10	3	8.00
51 C 9256	611	Lead for Model 10	½	3.20
51 C 9119	639-N	Black Cowhide Case for 630 Series	½	12.60
51 C 9116	639-P	Black Cowhide Case for 630 Series	½	17.90
51 C 5280	669-OS	Black Leather Case for 666R Series	½	9.00
51 C 9111	T-2247-BV	CRT Adapter for Model 3414	1	9.00
51 C 9120	T-255A35	Stand for 630 Series	½	2.10
51 C 9112	T-79-70	Probe for 630, 630A, 631	½	17.90
51 C 9215	T-70-71	Probe for 630, 630A, 631	½	17.90
51 C 9258	T-79-83	Probe for 630PL, 630APL, 630L	½	17.90
51 C 9259	T-79-130	Probe for 630PL, 630APL, 630L	½	17.90
51 C 9260	T-79-145	Probe for 630, 630A, 631	½	9.50
51 C 9193	T-79-196	Probe for 850	½	25.20
51 C 9261	T-79-215	Probe for 850	½	9.00
51 C 9146	369	Leather Case for Model 310	½	4.20

Have It Now—Use Allied's Credit Fund Plan

ALLIED 293



# Practical Top-Quality Test Equipment

AMPROBE INSTRUMENTS FOR EXTRA-CONVENIENT TESTING



## Multi-Purpose Voltage Tester



Fits In  
Shirt  
Pocket

\$9.50

- Indicates Polarity
- 3-Ft. Test Probe

Model VT-100. Compact, easy-to-use multi-purpose voltage tester fits easily in your shirt pocket. Ideal for testing all types of circuits. Shows nominal voltage levels on thermometer-type scale by a series of two windows corresponding to each voltage level: 115-220-277-440-550 VAC; 115-220-400-600-750 VDC. On AC measurements, both windows light and an audible indication of frequency is given. Pitch of signal increases with frequency from 25 to 800 Hz. On DC measurements, only one of the windows light, indicates the positive side of the line. Sliding probe pushes through body; retractable probe has 3-ft. cord. 6x2 $\frac{1}{4}$ x3 $\frac{1}{4}$ ".

51 C 5210. Wt., 8 oz. .... 9.50



## A "Amprobe Jr." Testers

Y Series. Voltage, current testers snap around conductors to  $\frac{1}{2}$ " dia. Measure amps shown and 0-125-250 V, except\* 0-150-600. With leads. Order carrying case below.

Stock No.	Type	Amps	EACH
51 C 9089	Y25	0-25	24.50
51 C 9091	Y50	0-50	24.50
51 C 9167	YS25*	0-25	24.50
51 C 9168	YS50*	0-50	24.50
51 C 9169	YS00*	0-100	24.50

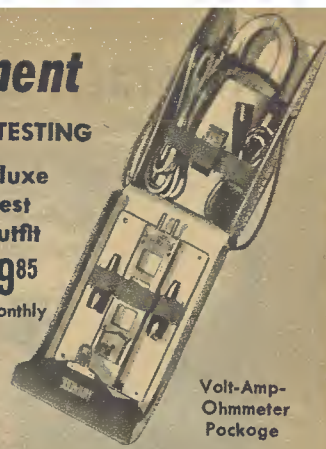
51 C 9105. Leather Case. 1 lb. .... 32.5

## B Rotary Scale Tester

Model RS-3. Single scale shows behind magnified window. Clamps around conductor to  $1\frac{1}{16}$ " dia. for current; plugs in for voltage and ohms. To 600 VAC; 300 amps; 25 ohms mid-scale. Accuracy,  $\pm 3\%$ . 7 $\frac{3}{8}$ x2 $\frac{3}{8}$ x1 $\frac{1}{2}$ ". Leads, case. 2 lbs.

51 C 9268. \$5 Monthly. .... 58.50

Deluxe  
Test  
Outfit  
\$69.85  
\$5 monthly



Volt-Amp-Ohmmeter  
Pockage

Model TM-63. Ideal for everyone who does electrical troubleshooting. Includes RS-3 Rotary-Scale Snap-Around Volt-Amp-Ohmmeter. Ranges: 0-150/300/600 VAC; 0-6/15/40/100/300 amps AC; 25 ohms mid-scale.  $\pm 3\%$  accuracy. Pointer lock. Set of VLK-311 "Extend-Leads" that eliminate the need for a "third hand"; A-45L Energizer for increasing the sensitivity of the RS-3 up to 5 or 10 times. Permits current readings on permanently-wired low-current equipment. Compact "A" leather carrying case has hinged cover, snap lock, handle. 11x8 $\frac{1}{2}$ x3". Shpg. wt., 3 lbs.

51 C 5209. \$5 Monthly. .... 69.85



## Blonder-Tongue FS Meter

\$396.00

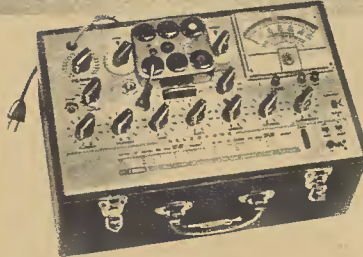
\$18 monthly

54-216 MHz VHF  
470-890 MHz UHF

Model FSM-2. Rugged, solid-state field strength meter boasts continuous frequency coverage of 54-216 MHz VHF and 470-890 MHz UHF. Instantly converts from UHF to VHF with the flip of a switch. Sensitivity is variable from 100 mV to 3 V for full scale deflection. Reads average and peak.

Applications: field strength surveys; MATV or CATV system maintenance; % modulation tests. Measures RF signals to 75-ohm impedance (has UHF/VHF balun for 300-ohm). Input VSWR: to 1 mV; UHF, 2.0 max., VHF, 1.3 max.; Over 1 MHz; UHF, 1.2, VHF, 1.2.

Accuracy,  $\pm 1.5$  dB on all ranges. Temp. Range, -20 to +120°F. Black wrinkle case, 7 $\frac{3}{8}$ x12 $\frac{3}{8}$ x7". For 105-130 V, 50 to 400 Hz AC, or two internal batteries (included). Wt., 13 lbs. 51 C 5117 X. \$18 Monthly. .... 396.00



## Hickok Portable Tube Tester

\$279.50

\$14 monthly

Tests Over  
1600 Types

Model 6000A. High-speed tester checks over 1600 tube types for transconductance, shorts, leakages, gas, filament continuity. Direct reading of grid current (gas) in  $\mu$ A on meter. Instant shorts, leakage tests; continuous line voltage indication. Tests for PNP and NPN transistors; forward conductance test for semiconductor diodes. Sockets; octal; loctal; 7, 9, 10-pin miniature; compactron; novar; 5, 7-pin navistor. Roll chart. 7 $\frac{1}{2}$ x16 $\frac{3}{4}$ x11 $\frac{3}{4}$ ". 105-125 V, 50-60 Hz AC. 51 C 5006 U. Wt., 21 lbs. .... 279.50



## Sprague Tel-Ohm Analyzer

\$99.50

\$5 monthly

Five Ranges  
to 2000  $\mu$ F

Model TO-6. Lab-accurate capacitor analyzer has five overlapping ranges of Wien bridge measurements, including 1 pF to 100 pF. Low bridge voltage, 1.35 for electrolytics; 2.85 for others. Two ranges of insulation resistance, 10 Kmeg and 50 Kmeg. Tests leakage up to 600 V with leakage current meter in four ranges. Checks power factor to 50%. Turns ratio scale for transformers. Protected meter. 8 $\frac{1}{8}$ x14 $\frac{1}{2}$ x6 $\frac{1}{8}$ ". 105-125 V, 50-60 Hz AC. Wt., 16 $\frac{1}{2}$  lbs. 51 C 5655 U. \$5 Monthly. .... 99.50



## Lectrotech 1 $\frac{1}{2}$ -V Supply

Replaces ohmmeter battery in most VTVM's. Takes just a few minutes to mount. Permanent source of 1 $\frac{1}{2}$ -VDC. For all VTVM's using negative grounded "D" cell for ohmmeter. 51 C 5634. Shpg. wt., 4 oz. .... 3.95



## Metergard Prevents Bent Pointers; Pivots

Ends expensive meter repairs. Metergard wires across any meter rated 25  $\mu$ A to 25 mA. Protects against 10,000% overload. Won't affect accuracy. Compact size. 51 C 5627. Shpg. wt., 4 oz. .... 2.95



# RCA and G.E. Receiving Tubes

# RCA



EITHER RCA OR G.E. WILL BE SHIPPED, WHICHEVER IS IN STOCK AT TIME OF PURCHASE

## Complete Selection of Color TV Tubes

- Both RCA, G.E. Tubes Guaranteed for Two Full Years†
- World's Largest Stocks of RCA and G.E. Tubes
- You Get Personalized Service and Prompt Shipment

With our full selection of tube types, Allied can provide you with immediate, complete satisfaction. Quantity prices apply to assorted tubes from this RCA and G.E. listing only. New tube types are added to stock as soon as released by manufacturer. †We replace any tube that does not provide efficient performance for two years. (Does not apply to broken tubes.) Av. shpg. wt., 4 oz.; per 10 tubes, 2 1/2 lbs.

When Ordering, Specify Dept. No. (25 C 28) ANO Tube Type No, Example: 25 C 28 OZA.

### USE YOUR ALLIED CREDIT FUND TO BUY TUBES

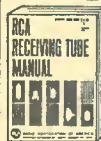
Buy all the tubes you need now and take up to two years to pay. There's no money down... nothing to pay for 30 days. Pay only \$5 monthly for up to \$100 worth of tubes or anything that Allied sells.



## FREE SERVICE AIDS

FREE With Purchase of 5 Tubes. (May be assorted.) RCA Type 1A1348 receiving tube puller. Makes removing tubes from sockets quick and easy.  
24 C 9148 G, Puller Alone, 6 oz..... \$50

FREE With Purchase of 10 Tubes. (May be assorted.) RCA Type 1A1369 handy 6-way pin straightener.  
24 C 9149 G, Straightener Alone, 4oz.1.00



FREE With Purchase of 15 Tubes, RCA Tube Manual. Receiving and picture tubes.  
23 C 7676 EG, 1 1/4 lbs. 1.75

FREE With Purchase of 15 Tubes, G.E. Tube Manual. Receiving and picture tubes.  
23 C 7259 EG, 1 1/4 lbs. 2.00



Get All 4 Service Aids FREE with Purchase of 45 Tubes.

## \*Indicates Tube Types for Color TV, plus Other Applications

Tube Type	EA. in Quantities of			Tube Type	EA. in Quantities of			Tube Type	EA. in Quantities of		
	1-9	10-49	50-Up		1-9	10-49	50-Up		1-9	10-49	50-Up
OZ4	1.63	1.46	1.30	3BN6*	2.15	1.94	1.72	4HS8	1.68	1.51	1.34
OZ4A	1.63	1.46	1.30	3BU8/3GS8	2.23	2.00	1.78	4HT6	1.28	1.15	1.02
1A3	3.33	2.99	2.66	3BY6*	1.50	1.35	1.20	4JC6A	2.15	1.94	1.72
1A5GT	2.00	1.80	1.60	3BZ6*	1.18	1.06	.94	4JD6	2.15	1.94	1.72
1AD2*	1.55	1.40	1.24	3CA3*	1.60	1.44	1.28	4KE8*	3.03	2.72	2.42
1AY2	1.30	1.17	1.04	3CB6/3CF6	1.48	1.33	1.18	4JH6	1.70	1.53	1.36
1B3GT*	Use 1G3GT/1B3GT			3CE5	Use 3BC5/3CE5			4LJ8*	2.05	1.85	1.64
1BC2	1.63	1.46	1.30	3CF6	Use 3CB6/3CF6			5AM8*	2.45	2.21	1.96
1BH2	1.53	1.38	1.22	3CN3A*	1.60	1.44	1.28	5AN8*	2.60	2.34	2.08
1G3GT/1B3GT*	1.70	1.53	1.36	3CS6*	1.85	1.67	1.48	5AQ5*	1.48	1.33	1.18
1K3/1J3	1.70	1.53	1.36	3CY5	1.95	1.76	1.56	5AR4/GZ34	2.13	1.91	1.70
1L6	6.28	5.65	5.02	3DG4*	2.38	2.14	1.90	5AS4A	1.73	1.55	1.38
1N5GT	2.45	2.21	1.96	3DK6	1.48	1.33	1.18	5AS8	2.20	1.98	1.76
1R5	2.00	1.80	1.60	3DT6A*	1.48	1.33	1.18	5AT8*	2.23	2.00	1.78
1S2A/DY87	1.28	1.15	1.02	3DZ4	Use 3AF4A/3DZ4			5AU4	2.08	1.87	1.66
1S4	2.05	1.85	1.64	3EA5	1.78	1.60	1.42	5AV8	2.03	1.83	1.62
1S5	1.70	1.53	1.36	3EH7/XF183	1.28	1.15	1.02	5AZ4	2.65	2.39	2.12
1T4	1.93	1.73	1.54	3EJ7/XF184	1.28	1.15	1.02	5B8	2.75	2.48	2.20
1U4	1.93	1.73	1.54	3ER5	2.23	2.00	1.78	5BC3A*	1.70	1.53	1.36
1U5	1.70	1.53	1.36	3FH5	1.63	1.46	1.30	5BE8	1.55	1.40	1.24
1V2*	1.28	1.15	1.02	3FS5	2.15	1.94	1.72	5BK7A	2.08	1.87	1.66
1X2A	Use 1X2B/1X2A			3GK5*	2.10	1.89	1.68	5BQ7A	2.15	1.94	1.72
1X2B/1X2A*	1.70	1.53	1.36	3GS8	Use 3BU8/3GS8			5BR8	2.45	2.21	1.96
2A3	4.95	4.46	3.96	3HA5	Use 3FM5/3HA5			5BT8*	1.55	1.40	1.24
2AF4B/2DZ4*	2.05	1.85	1.64	3HM5/3HA5	1.93	1.73	1.54	5BW8	1.60	1.44	1.28
2AH2	1.70	1.53	1.36	3HQ5*	2.38	2.14	1.90	5CG8	1.85	1.67	1.48
2AS2	1.50	1.35	1.20	3JC6A*	2.00	1.80	1.60	5CL8A	2.23	2.00	1.78
2AV2*	1.43	1.28	1.14	3KT6*	1.70	1.53	1.36	5CQ8	2.05	1.85	1.65
2BJ2	2.10	1.89	1.68	3Q4	1.68	1.51	1.34	5CZ5	2.23	2.00	1.78
2BN4A	1.78	1.60	1.42	3Q5GT	2.93	2.63	2.34	5DJ4	1.78	1.60	1.42
2CW4	2.45	2.21	1.96	3S4	1.70	1.53	1.36	5EA8	2.30	2.07	1.84
2CY5	2.00	1.80	1.60	3V4	1.70	1.53	1.36	5ES8/YCC189	2.75	2.47	2.20
2DS4	2.45	2.21	1.96	4AU6	1.70	1.53	1.36	5EU8	2.00	1.80	1.60
2DV4*	3.23	2.90	2.58	4AV6	1.48	1.33	1.18	5EW6	1.70	1.53	1.36
2DZ4	Use 2AF4B/2DZ4			4BC8	2.00	1.80	1.60	5FC7	1.78	1.60	1.42
2EG4	2.45	2.21	1.96	4BL8/XCF80*	1.20	1.08	.96	5FV8	1.63	1.47	1.30
2EN5	1.60	1.44	1.28	4BN6	2.03	1.82	1.62	5GH8A*	2.30	2.07	1.84
2ER5	1.85	1.67	1.48	4BQ7A*	2.45	2.21	1.96	5GJ7*	1.48	1.33	1.18
2FH5	1.85	1.67	1.48	4BS8	2.13	1.91	1.70	5GM6	1.63	1.46	1.30
2FQ6A	Use 2GK5			4BU8/4GS8	2.23	2.00	1.78	5GX6	1.23	1.10	.98
2FS5	2.43	2.18	1.94	4BZ6	1.48	1.33	1.18	5HA7	1.53	1.37	1.22
2GK5	2.10	1.89	1.68	4BZ7	2.45	2.21	1.96	5HB7	1.70	1.53	1.36
2GU5	2.25	2.03	1.80	4CB6	1.43	1.28	1.14	5HZ6	1.63	1.46	1.30
2HA5	1.93	1.73	1.54	4CS6	1.70	1.53	1.36	5J6	1.85	1.67	1.48
2HQ5*	1.93	1.73	1.54	4DE6	1.48	1.33	1.18	5JK6*	1.93	1.73	1.54
3A2*	2.75	2.48	2.20	4DK6	1.70	1.53	1.36	5JL6*	1.93	1.73	1.54
3A3A/3B2*	1.60	1.44	1.28	4DT6A*	1.48	1.33	1.18	5KD8	1.25	1.13	1.00
3AF4A/3DZ4	2.05	1.85	1.64	4EH7*	1.78	1.60	1.42	5KE8	2.90	2.61	2.32
3AL5*	1.35	1.21	1.08	4EJ7/LF184*	1.78	1.60	1.42	5KZ8*	1.28	1.15	1.02
3AT2*	1.53	1.37	1.22	4ES8/XCC189	2.75	2.49	2.20	5L8	2.05	1.85	1.64
3AU6	1.48	1.33	1.18	4EW6	1.45	1.31	1.16	5T8	2.23	2.01	1.78
3AV6	1.48	1.33	1.18	4GK5	1.95	1.76	1.56	5U4G*	1.28	1.15	1.02
3AW2*	1.60	1.44	1.28	4GM6	1.10	.99	.88	5U4GB*	1.28	1.15	1.02
3AW3*	Use 3A3A/3B2			4GS8	Use 4BU8/4GS8			5U8	1.93	1.73	1.54
3B2*	Use 3A3A/3B2			4HA5/PC900*	1.18	1.06	.94	5U9/LCF201*	1.48	1.33	1.18
3BA6	1.18	1.06	.94	4HA7	1.53	1.37	1.22	5V3A*	2.08	1.87	1.66
3BC5	Use 3BC5/3CE5			4HC7	1.53	1.37	1.22	5V4GA	2.15	1.94	1.72
3BC5/3CE6	1.35	1.21	1.08	4HM6	1.55	1.40	1.24	5V6GT*	1.85	1.67	1.48
3BN4A	1.70	1.53	1.36	4HS6	2.30	2.07	1.84				

TUBES CONTINUED ON NEXT PAGE

To Order, Specify Dept. No. (25 C 28) AND Tube Type No.

ALLIED 295





# RCA

# Receiving Tubes (Cont'd)

AS NEW TYPES ARE RELEASED, ALLIED WILL STOCK THEM

To Get Free Service Aids With Your Tubes, See Page 295

When Ordering, Specify Dept. No. (25 C 28)  
AND Tube Type No. Examples 25 C 28 5X8.

\* Indicates Tube Types for Color TV, plus Other Applications

Tube Type	EA. in Quantities of			Tube Type	EA. in Quantities of			Tube Type	EA. in Quantities of		
	1-9	10-49	50-Up		1-9	10-49	50-Up		1-9	10-49	50-Up
5X8	2.08	1.87	1.66	6BH11*	2.15	1.94	1.72	6DK6*	1.48	1.33	1.18
5Y3GT*	1.13	1.01	.90	6BJ3	1.40	1.26	1.12	6DL5/EL95	1.48	1.33	1.18
5Y4GA	1.23	1.10	.98	6BJ6	1.63	1.46	1.30	6DM4*	1.68	1.51	1.34
5Y4GT	1.70	1.53	1.36	6BJ7*	1.48	1.33	1.18	6DN6	3.50	3.15	2.80
5Z3	2.23	2.00	1.78	6BJ8*	2.00	1.80	1.60	6DN7	2.00	1.80	1.60
5Z4	Use 5Y3GT			6BK4B*	3.78	3.40	3.02	6DQ5*	3.93	3.54	3.14
6A7	4.00	3.60	3.20	6BK5*	1.75	1.58	1.40	6DQ6B*	Use 6GW6/6DQ6B		
6A8	3.55	3.20	2.84	6BK7B*	2.00	1.80	1.60	6DR7	2.30	2.07	1.84
6AB4	1.63	1.46	1.30	6BL7GTA*	2.53	2.27	2.02	6DS4*	2.45	2.21	1.96
6AC5GT	2.93	2.63	2.34	6BL8/ECL80*	1.35	1.21	1.08	6DS5	1.83	1.65	1.46
6AC7	2.88	2.59	2.30	6BM8/ECL82*	1.45	1.31	1.16	6DT5	1.78	1.60	1.42
6AC10*	2.05	1.85	1.64	6BN4A*	2.00	1.80	1.60	6DT6A*	1.35	1.21	1.08
6AD10*	3.45	3.11	2.76	6BN6*	1.85	1.67	1.48	6DT8	1.88	1.69	1.50
6AF3	1.55	1.40	1.24	6BN8*	1.85	1.67	1.48	6DV4*	3.23	2.90	2.58
6AF4*	2.05	1.85	1.64	6BN11*	2.25	2.03	1.80	6DW4B*	1.75	1.58	1.40
6AF4A*	2.05	1.85	1.64	6BQ5/EL84*	1.63	1.46	1.30	6DW5	1.93	1.73	1.54
6AF6G	3.15	2.84	2.52	6BQ6GTB/6CU6*	2.23	2.00	1.78	6DX8/ECL84*	1.45	1.31	1.16
6AF9	1.78	1.60	1.42	6BQ7A*	2.20	1.87	1.66	6DZ4*	2.05	1.85	1.64
6AF11	2.60	2.34	2.08	6BR8A*	2.15	1.94	1.72	6E5	2.83	2.54	2.26
6AG5	1.70	1.53	1.36	6BS3A*	1.85	1.67	1.48	6EA5	Use 6CY5		
6AG7*	3.25	2.93	2.60	6BS8*	2.23	2.00	1.78	6EA7	2.60	2.34	2.08
6AG9*	2.83	2.54	2.26	6BU8*	2.08	1.87	1.66	6EA8*	1.78	1.60	1.42
6AG11	2.08	1.87	1.66	6BV8*	1.50	1.35	1.20	6EB8	2.53	2.27	2.02
6AH4GT*	1.63	1.46	1.30	6BW4	1.38	1.24	1.10	6EH4A*	4.10	3.69	3.28
6AH6*	2.45	2.21	1.96	6BW8	1.68	1.51	1.34	6EH5	1.78	1.60	1.42
6AH9	2.38	2.14	1.90	6BW11	2.20	1.98	1.76	6EH7/EF183*	1.93	1.73	1.54
6AK5/EF95	2.38	2.14	1.90	6BX7GT	2.80	2.52	2.24	6EH8	1.75	1.58	1.40
6AL3/EY88	1.30	1.17	1.04	6BY5GA	2.40	2.16	1.92	6EJ4A*	4.25	3.82	3.40
6AL5*	1.13	1.01	.90	6BY6*	1.70	1.53	1.36	6EJ7/EF184*	1.78	1.60	1.42
6AL7GT	3.48	3.13	2.78	6BY8	1.35	1.21	1.08	6EM5	1.85	1.67	1.48
6AL11*	2.30	2.07	1.84	6BZ6*	1.35	1.21	1.08	6EM7*	2.60	2.34	2.08
6AM4	2.78	2.50	2.22	6BZ7*	2.08	1.87	1.66	6EQ7	1.48	1.33	1.18
6AM8A	1.85	1.67	1.48	6BZ8	2.10	1.89	1.68	6ER5*	1.90	1.71	1.52
6AN4	3.08	2.77	2.46	6C4*	1.13	1.01	.90	6ES5	1.43	1.28	1.14
6AN8A*	2.15	1.94	1.72	6C5*	2.68	2.41	2.14	6ES8/ECC189	2.73	2.45	2.18
6AQ5A*	1.48	1.33	1.18	6C6	3.93	3.54	3.14	6ET7	2.00	1.80	1.60
6AQ6	1.63	1.46	1.30	6C9	2.75	2.48	2.20	6EU7	1.63	1.46	1.30
6AQ7GT	2.15	1.94	1.72	6C10	1.85	1.67	1.48	6EU8	1.85	1.67	1.48
6AQ8/ECC85*	1.50	1.35	1.20	6CA4	1.48	1.33	1.18	6EV5	1.55	1.40	1.24
6AR5	1.23	1.10	.98	6CA5	1.50	1.35	1.20	6EV7	1.63	1.46	1.30
6AR8	2.43	2.18	1.94	6CA7/EL34	2.68	2.41	2.14	6EW6*	1.35	1.21	1.08
6AR11	2.25	2.03	1.80	6CB5A*	4.68	4.21	3.74	6EW7*	3.00	2.70	2.40
6AS5	1.63	1.46	1.30	6CB6A/6CF6*	1.43	1.28	1.14	6EZ5*	2.23	2.00	1.78
6AS8*	2.23	2.00	1.78	6CD6GA*	2.90	2.61	2.32	6EZ8	1.78	1.60	1.42
6AS11	2.55	2.30	2.04	6CE5	Use 6BC5/6CE5			6F5	2.75	2.48	2.20
6AT6*	1.20	1.08	.96	6CF6	Use 6CB6A/6CF6			6F6	2.90	2.61	2.32
6AT8A*	2.60	2.34	2.08	6CG3/6CD3*	1.70	1.53	1.36	6FG7	2.90	2.61	2.32
6AU4GTA*	2.00	1.80	1.60	6CG7	Use 6FQ7/6CG7			6FG8	4.23	3.81	3.38
6AU5GT*	2.60	2.34	2.08	6CG8A*	1.78	1.60	1.42	6FA7	1.48	1.33	1.18
6AU6A*	1.20	1.08	.96	6CH8	2.80	2.52	2.24	6FD7	2.65	2.39	2.12
6AU8A*	2.45	2.21	1.96	6CJ3*	1.80	1.62	1.44	6FE5	1.70	1.53	1.36
6AV5GA*	2.60	2.34	2.08	6CK3	1.70	1.53	1.36	6FG6	Use EM84/6FG6		
6AV6*	.98	.88	.78	6CK4	1.78	1.60	1.42	6FG7*	2.08	1.87	1.66
6AV11*	2.20	1.98	1.76	6CL3*	1.75	1.57	1.40	6FH5*	1.93	1.73	1.54
6AW8A*	1.93	1.73	1.54	6CL6*	2.08	1.87	1.66	6FH8	2.03	1.82	1.62
6AX3	1.30	1.17	1.04	6CL8A*	2.08	1.87	1.66	6FJ7*	1.88	1.69	1.50
6AX4GTB*	1.48	1.33	1.18	6CM3	2.45	2.21	1.96	6FM7*	1.63	1.46	1.30
6AX5GT	1.93	1.73	1.54	6CM6*	1.93	1.73	1.54	6FM8	1.43	1.28	1.14
6AX8	1.75	1.58	1.40	6CM7	1.63	1.46	1.30	6FQ5A	1.93	1.73	1.54
6AY3B	1.70	1.53	1.36	6CM8	2.03	1.82	1.62	6FQ7/6CG7*	1.18	1.06	.94
6AY11	2.25	2.03	1.80	6CN7*	2.23	2.00	1.78	6FS5	2.05	1.85	1.64
6AZ8*	2.75	2.48	2.20	6CQ4	1.78	1.60	1.42	6FV6	2.23	2.00	1.78
6B8	3.43	3.08	2.74	6CQ8*	1.85	1.67	1.48	6FV8A	2.15	1.94	1.72
6B10	1.83	1.64	1.46	6CR6	1.48	1.33	1.18	6FW5	1.93	1.73	1.54
6BA3	1.53	1.37	1.22	6CS6*	1.48	1.33	1.18	6FY5/EC97	1.38	1.24	1.10
6BA6/EF93*	1.20	1.08	.96	6CS7	1.70	1.53	1.36	6FY7	1.60	1.44	1.28
6BA7	2.93	2.63	2.34	6CU5	1.78	1.60	1.42	6G11	2.20	1.98	1.76
6BA8A*	2.33	2.09	1.86	6CU6	Use 6BQ6GTB/6CU6			6GB5/EL500	1.90	1.71	1.52
6BA11*	2.15	1.94	1.72	6CU8	2.30	2.07	1.84	6GC5*	2.23	2.00	1.78
6BC4	2.75	2.48	2.20	6CW4*	2.45	2.21	1.96	6GE5	1.93	1.73	1.54
6BC5/6CE5	1.63	1.46	1.30	6CW5/EL86*	1.38	1.24	1.10	6GF5	1.75	1.58	1.40
6BC7*	1.80	1.62	1.44	6CX8	2.38	2.19	1.90	6GF7A*	2.43	2.18	1.94
6BC8*	2.08	1.87	1.66	6CY5	2.00	1.80	1.60	6GH8A*	1.60	1.44	1.28
6BD6	1.18	1.06	.94	6CY7	1.53	1.37	1.22	6GJ5A	2.80	2.52	2.24
6BD11	2.78	2.50	2.22	6CZ5*	2.38	2.14	1.90	6GJ7/ECF801*	1.55	1.40	1.24
6BE3/6BZ3*	1.70	1.53	1.36	6D10	2.13	1.91	1.70	6KJ5*	2.08	1.87	1.66
6BE6	1.43	1.28	1.14	6DA4	1.85	1.67	1.48	6CK6*	1.70	1.53	1.36
6BF5	1.68	1.51	1.34	6DB5	2.50	2.25	2.00	6GL7*	2.90	2.61	2.32
6BF6	1.43	1.28	1.14	6DC6*	1.93	1.73	1.54	6GM5	1.53	1.37	1.22
6BF11	2.45	2.21	1.96	6DC8/EBF89	1.53	1.37	1.22	6GM6*	1.63	1.46	1.30
6BG6G*	3.05	2.75	2.44	6DE4	1.78	1.60	1.42	6GN8	2.30	2.07	1.84
6BH3A	1.40	1.26	1.12	6DE6*	1.48	1.33	1.18	6GQ7*	1.88	1.69	1.50
6BH6*	1.63	1.46	1.30	6DE7	2.08	1.87	1.66	6GT5A	2.70	2.43	2.16
6BH8*	2.30	2.07	1.84	6DG6GT	1.93	1.74	1.54	6GU5	2.05	1.85	1.64



# RCA and G.E. Receiving Tubes



QUANTITY PRICES FOR ASSORTED RCA, G.E. TUBES

To Get Free Service Aids With Your Tubes, See Page 295

When Ordering, Specify Department No. (25 C 28)  
AND Tube Type No. Example: 25 C 28 6GU7.

\* Indicates Tube Types for Color TV, plus Other Applications

Tube Type	EA. in Quantities of			Tube Type	EA. in Quantities of			Tube Type	EA. in Quantities of		
	1-9	10-49	50-Up		1-9	10-49	50-Up		1-9	10-49	50-Up
6GU7*	1.85	1.67	1.48	6LF8*	2.08	1.87	1.66	8CS7	1.78	1.60	1.42
6GV5	2.08	1.87	1.66	6LJ6*	3.78	3.40	3.02	8CW5/XL86	1.28	1.15	1.02
6GV8/ECL85	2.10	2.07	1.84	6LJ8	2.05	1.85	1.64	8CX8	2.20	1.98	1.76
6GW6/6DQ6B*	2.10	1.89	1.68	6LM8*	2.23	2.00	1.78	8EB8	2.05	1.85	1.64
6GW8/ECL86	1.53	1.37	1.22	6LN8/LCF80	1.20	1.08	.96	8EM5	1.85	1.67	1.48
6GX6*	1.45	1.31	1.16	6LQ6/6JE6C	4.25	3.83	3.40	8ET7	2.08	1.87	1.66
6GX7*	1.80	1.62	1.44	6LQ8	2.53	2.27	2.02	8FG7/8CG7*	1.18	1.06	.94
6GY5	2.30	2.07	1.84	6LT8*	1.35	1.21	1.08	8GJ7/PCF801	1.45	1.31	1.16
6GY6*	1.45	1.31	1.16	6LU8*	2.38	2.14	1.90	8GN8	2.08	1.87	1.66
6GY8	1.95	1.76	1.56	6LX8/LCF802	1.30	1.17	1.04	8GU7*	1.60	1.44	1.28
6H6	2.45	2.21	1.96	6LY8*	1.95	1.76	1.56	8JU8A	1.68	1.51	1.34
6HA5*	Use 6HM5/6HA5			6M11*	2.50	2.25	2.00	8JV8*	2.15	1.94	1.72
6HB5	2.30	2.07	1.84	6MD8*	2.43	2.18	1.94	8KA8	2.13	1.92	1.70
6HB6*	2.23	2.00	1.78	6ME8*	2.30	2.07	1.84	8LC8	2.13	1.92	1.70
6HB7*	2.00	1.80	1.60	6MK8	2.15	1.94	1.72	8LT8	1.35	1.21	1.08
6HE5*	1.85	1.67	1.48	6N7	2.53	2.27	2.02	9A8/PCF80*	1.33	1.19	1.06
6HF5*	3.65	3.29	2.92	6N7GT	2.60	2.34	2.08	9AU7	1.48	1.33	1.18
6HF8*	2.30	2.07	1.84	6Q7	2.95	2.66	2.36	9BJ11	2.40	2.16	1.92
6HG5	1.48	1.33	1.18	6SA4*	1.48	1.33	1.18	9BR7	1.58	1.42	1.26
6HG8/ECF86*	1.85	1.67	1.48	6S8GT	2.08	1.87	1.66	9EA8	1.53	1.37	1.22
6HJ8	1.55	1.40	1.24	6SA7	2.95	2.66	2.36	9GV8/XCL85	1.70	1.53	1.36
6HK5	1.95	1.76	1.56	6SA7GT	2.20	1.98	1.76	9KC6*	2.18	1.96	1.74
6HL8*	1.53	1.37	1.22	6SB7Y	2.98	2.68	2.38	9KX6	2.08	1.87	1.66
6HM5/6HA5*	1.93	1.73	1.54	6SC7	2.45	2.21	1.96	9KZ8	1.48	1.33	1.18
6HM6	1.48	1.33	1.18	6SF5	2.23	2.00	1.78	9UA8	1.55	1.40	1.24
6HQ5*	2.25	2.03	1.80	6SF7	3.15	2.85	2.52	10AL11	2.28	2.05	1.82
6HR5	1.28	1.15	1.02	6SG7	2.45	2.21	1.96	10BQ5	1.28	1.15	1.02
6HR6	1.85	1.67	1.48	6SH7	2.68	2.41	2.14	10C8	2.58	2.32	2.06
6HS5*	3.88	3.49	3.10	6SJ7	2.08	1.87	1.66	10CW5/LL86	1.28	1.15	1.02
6HS6	1.85	1.67	1.48	6SJ7GT	1.95	1.76	1.56	10DE7	2.23	2.00	1.78
6HS8*	2.15	1.94	1.72	6SK7	2.23	2.00	1.78	10DR7	2.23	2.00	1.78
6HZ6*	1.50	1.35	1.20	6SK7GT	2.75	2.48	2.20	10DX8/LCL84	1.38	1.24	1.10
6J5	2.05	1.85	1.64	6SL7GT	2.00	1.80	1.60	10EG7	2.18	1.96	1.74
6J5GT	2.05	1.85	1.64	6SN7GTB*	1.55	1.40	1.24	10EM7	2.45	2.21	1.96
6J6A*	1.63	1.46	1.30	6SQ7	2.23	2.00	1.78	10EW7	2.45	2.21	1.96
6J7	2.60	2.34	2.08	6SQ7GT	2.00	1.80	1.60	10GFA7*	2.38	2.14	1.90
6J10*	Use 6Z10/6J10			6SR7	2.45	2.21	1.96	10GK6	1.53	1.38	1.22
6J11	2.40	2.16	1.92	6T4*	2.58	2.32	2.06	10GN8	2.23	2.00	1.78
6JB6A	2.93	2.63	2.34	6T8A*	1.85	1.67	1.48	10HF8	2.45	2.21	1.96
6JC6A*	1.98	1.78	1.58	6T9	2.03	1.82	1.62	10JA8	2.08	1.87	1.66
6JC8	1.53	1.37	1.22	6T10*	2.13	1.91	1.70	10JT8*	2.03	1.82	1.62
6JD6*	1.78	1.60	1.42	6U5	3.70	3.33	2.96	10JY8	1.83	1.64	1.46
6JE6A*	4.25	3.82	3.40	6U8A/6KD8*	1.55	1.40	1.24	10KR8	2.13	1.91	1.70
6JE8	1.85	1.67	1.48	6U9/ECF201	1.45	1.31	1.16	10KU8	2.43	2.18	1.94
6JF6	3.10	2.79	2.48	6U10*	1.83	1.64	1.46	10LB8*	2.35	2.11	1.88
6JG6A	3.25	2.93	2.60	6V3A	2.28	2.05	1.82	10LE8	2.94	2.66	2.36
6JH6*	1.48	1.33	1.18	6V6	3.18	2.86	2.54	10LW8	2.13	1.91	1.70
6JH8*	2.38	2.14	1.90	6V6GTA*	1.63	1.46	1.30	10LZ8	1.48	1.33	1.18
6JK8*	2.03	1.82	1.62	6W4GT	1.48	1.33	1.18	11AR11	2.05	1.85	1.64
6JM6A*	2.08	1.87	1.66	6W6GT*	1.85	1.67	1.48	11BQ11	2.05	1.85	1.64
6JN6*	1.93	1.73	1.54	6X4	1.05	.95	.84	11BT11	2.95	2.66	2.36
6JN8	1.83	1.64	1.46	6X5GT	1.48	1.33	1.18	11CY7	1.80	1.62	1.44
6JS6B*	3.65	3.29	2.92	6X8A*	1.70	1.53	1.36	11FY7*	1.70	1.53	1.36
6JT6A	2.48	2.23	1.98	6X9/ECF200*	1.48	1.33	1.18	11HM7*	2.38	2.14	1.90
6JT8*	2.00	1.80	1.60	6Y6GA/6Y6G	2.23	2.00	1.78	11JE8	1.93	1.73	1.54
6JU8A*	1.93	1.73	1.54	6Y9*	1.48	1.33	1.18	11KV8	2.95	2.66	2.36
6JV8	2.20	1.98	1.76	6Z4	Use 84/6Z4			11LQ8*	2.95	2.66	2.36
6JW8/ECF802*	1.55	1.40	1.24	6Z10/TJ10*	2.50	2.25	2.00	11Y9/LFL200	1.85	1.67	1.48
6JZ6	2.33	2.09	1.86	7A7	3.58	3.22	2.86	12AB5	1.93	1.73	1.54
6JZ8	1.78	1.60	1.42	7AU7*	1.35	1.21	1.08	12AC6	1.05	.95	.84
6K6GT	1.48	1.33	1.18	7C5	1.68	1.51	1.34	12AD6	1.55	1.40	1.24
6K7	2.95	2.66	2.36	7C7	1.70	1.53	1.36	12AE6A	1.55	1.40	1.24
6K8	3.85	3.47	3.08	7EY6	1.68	1.51	1.34	12AE10	2.33	2.09	1.86
6K11/6Q11	1.83	1.64	1.46	7F7	3.75	3.38	3.00	12AF3	1.93	1.73	1.54
6KA8*	2.25	2.03	1.80	7F8	4.13	3.72	3.30	12AF6	1.58	1.42	1.26
6KD6	3.85	3.47	3.08	7HG8/PCF86	1.18	1.24	1.10	12AL5	1.15	1.04	.92
6KD8	Use 6U8A/6KD8			7N7	3.55	3.20	2.84	12AL8	3.08	2.77	2.47
6KE8*	2.83	2.55	2.26	7V7	2.33	2.09	1.86	12AL11	2.10	1.89	1.68
6KL8	1.48	1.33	1.18	7X7	3.83	3.45	3.06	12AQ5	1.55	1.40	1.24
6KM6*	4.10	3.69	3.28	8AR11*	2.18	1.96	1.74	12AT6	1.20	1.08	.96
6KM8	1.73	1.55	1.38	8AU8	1.93	1.73	1.54	12AT7/ECC81*	1.43	1.28	1.14
6KR8	2.13	1.91	1.80	8AW8A	2.15	1.94	1.72	12AU6	1.28	1.15	1.02
6KT6*	1.65	1.49	1.32	8B10	1.68	1.51	1.34	12AU7A/ECC82*	1.28	1.15	1.02
6KT8*	2.45	2.21	1.96	8BA8A	1.73	1.54	1.38	12AV5GA	2.53	2.28	2.02
6KU8	2.40	2.16	1.92	8BA11	2.00	1.80	1.60	12AV6*	.98	.88	.78
6KV8	2.93	2.63	2.34	8BH8	1.68	1.51	1.34	12AV7*	1.80	1.62	1.44
6KY8A	3.63	3.27	2.90	8BM11	2.13	1.91	1.70	12AW6	1.78	1.60	1.42
6KZ8*	1.85	1.67	1.48	8BN8	1.85	1.67	1.48	12AX3*	1.50	1.35	1.20
6L6	4.40	3.96	3.52	8BQ5	1.63	1.46	1.30	12AX4GTB	1.35	1.22	1.08
6L6GC*	2.38	2.14	1.90	8BQ11*	2.15	1.94	1.72	12AX7A/ECC83*	1.35	1.21	1.08
6L7	3.48	3.13	2.78	8BU11*	2.28	2.05	1.82	12AX3A	1.33	1.19	1.06
6LB6*	4.08	3.67	3.26	8CG7	Use 8FQ7/8CG7			12AY7	2.60	2.34	2.08
6LB8	2.35	2.12	1.88	8CM7	1.35	1.21	1.08				
6LE8*	3.10	2.79	2.48	8CN7	1.53	1.37	1.22				

TUBES CONTINUED ON NEXT PAGE

To Order, Specify Dept. No. (25 C 28) AND Tube Type No.

ALLIED 297





# RCA Receiving Tubes (Cont'd)

AS NEW TYPES ARE RELEASED, ALLIED WILL STOCK THEM

To Get Free Service Aids With Your Tubes, See Page 295

When Ordering, Specify Dept. No. (25 C 28) AND Tube Type No. Example: 25 C 28 12AZ7A.

\*Indicates Tube Types for Color TV, and Other Applications

Tube Type	EA. in Quantities of:			Tube Type	EA. in Quantities of:			Tube Type	EA. in Quantities of:		
	1-9	10-49	50-Up		1-9	10-49	50-Up		1-9	10-49	50-Up
12AZ7A*	1.63	1.46	1.30	12T10*	2.13	1.91	1.70	21KA6	2.23	2.00	1.78
12B4A	1.60	1.44	1.28	12V6GT	2.23	2.01	1.78	21LR8*	2.38	2.14	1.90
12BA6	1.05	.95	.84	12W6GT	2.23	2.01	1.78	21L9	2.38	2.14	1.90
12BA7	2.95	2.66	2.36	12X4	1.13	1.01	.90	22BH3A	1.55	1.40	1.24
12BD6	1.18	1.06	.94	13CW4	2.53	2.27	2.02	22BW3	1.53	1.37	1.22
12BE3	1.53	1.37	1.22	13DE7	2.00	1.80	1.60	22DE4	1.85	1.67	1.48
12BE6	1.28	1.15	1.02	13DR7	2.38	2.14	1.90	22JF6	3.43	3.08	2.74
12BF6	1.18	1.06	.94	13EM7/15EA7	2.68	2.41	2.14	22JG6A	3.10	2.79	2.48
12BF11*	2.18	1.96	1.74	13FD7	2.53	2.28	2.02	22JU6	3.18	2.86	2.54
12BH7A*	1.58	1.42	1.26	13FM7	1.50	1.35	1.20	22KM6*	4.10	3.69	3.28
12BK5*	1.88	1.69	1.50	13GB5/XL500	1.85	1.67	1.48	23Z9	2.35	2.12	1.88
12BL6	1.85	1.67	1.48	13GF7A	2.35	2.12	1.88	24JE6A*	4.25	3.83	3.40
12BN6	1.83	1.64	1.46	13J10	Use 13Z10/13J10			25AV5GA	2.83	2.55	2.26
12BQ6GTB/12CU6	2.23	2.00	1.78	13V10	2.05	1.85	1.64	25AX4GT	1.53	1.37	1.22
12BR7	1.53	1.37	1.22	13Z10/13J10	2.53	2.27	2.02	25BK5	1.70	1.53	1.36
12BS3A	1.85	1.67	1.48	14BL11	2.80	2.52	2.24	25BQ6GTB/25CU6	2.20	1.98	1.76
12BT3	1.43	1.28	1.14	14BR11	2.65	2.39	2.12	25C5	1.48	1.33	1.18
12BV7	1.65	1.49	1.32	14GT8	1.73	1.55	1.38	25CA5	1.80	1.62	1.44
12BW4	1.68	1.51	1.34	14JG8	1.55	1.40	1.24	25CD6GB	2.88	2.59	2.30
12BY7A*	1.60	1.44	1.28	15AF11	2.38	2.14	1.90	25CU6	Use 25BQ6GTB/25CU6		
12BZ6	1.20	1.08	.96	15BD11	2.65	2.39	2.12	25DN6	2.98	2.68	2.38
12BZ7	2.08	1.87	1.66	15CW5/PL84*	1.23	1.09	.98	25EC6	3.08	2.77	2.46
12C5	Use 12CU5/12C5			15DQ8*	1.70	1.53	1.36	25EH5	1.63	1.47	1.30
12CA5	1.70	1.53	1.36	15FM7	1.70	1.53	1.36	25L6GT	1.85	1.67	1.48
12CN5	1.63	1.46	1.30	15FY7	1.95	1.76	1.56	25W4GT	1.85	1.67	1.48
12CR6	1.48	1.33	1.18	15LE8*	3.83	3.45	3.06	25Z6GT	1.93	1.74	1.54
12CU5/12C5	1.70	1.53	1.36	15KY8A	2.90	2.61	2.32	27GB5/PL500	1.85	1.67	1.48
12CU6	Use 12BQ6GT/12CU6			16A8	1.70	1.53	1.36	31JS6A*	3.65	3.29	2.92
12CX6	1.38	1.24	1.10	16AQ3/XY88	1.35	1.21	1.08	32ET5	1.20	1.08	.96
12D4	1.53	1.37	1.22	16GK6	1.53	1.37	1.22	33GT7	3.48	3.13	2.78
12DB5	1.30	1.17	1.04	16GY5	2.43	2.18	1.94	33GY7A	3.03	2.72	2.42
12DK6	1.15	1.04	.92	17AX3	1.30	1.17	1.04	33JV6	2.33	2.09	1.86
12DQ6B	Use 12GW6/12DQ6B			17AX4GTA	1.85	1.67	1.48	34GD5A	1.48	1.33	1.18
12DQ7	1.63	1.46	1.30	17AY3A	1.63	1.46	1.30	35B5	1.60	1.44	1.28
12DS7	2.70	2.43	2.16	17BE3/17BZ3	1.45	1.31	1.16	35C5	1.35	1.21	1.08
12DT5	1.55	1.40	1.24	17BF11	2.28	2.05	1.82	35EH5	1.70	1.53	1.36
12DT8	2.00	1.80	1.60	17BH3	1.43	1.28	1.14	35GL6	1.45	1.31	1.16
12DU7	2.20	1.98	1.76	17BQ6GTB	2.60	2.34	2.08	35L6GT	1.93	1.73	1.54
12DW7	1.53	1.37	1.22	17BS3A	1.68	1.51	1.34	35W4	.83	.74	.66
12DY8	3.98	3.58	3.18	17BZ3	Use 17BE3/17BZ3			35Y4	2.25	2.03	1.80
12DZ6	1.80	1.62	1.44	17C5	Use 17CU5/17C5			35Z3	2.35	2.12	1.88
12ED5	1.35	1.21	1.08	17C9	3.58	3.22	2.86	35Z4GT	1.28	1.15	1.02
12EK6	1.78	1.60	1.42	17CK3	1.48	1.33	1.18	35Z5GT	1.93	1.73	1.54
12EQ7	1.38	1.24	1.10	17CU5/17C5	1.35	1.22	1.08	38E7	3.33	2.99	2.66
12F8	1.63	1.47	1.30	17D4	1.85	1.67	1.48	38HK7	3.28	2.95	2.62
12FK6	1.28	1.15	1.02	17DE4	1.83	1.64	1.46	40KD6	4.05	3.65	3.24
12FM6	1.30	1.17	1.04	17DM4A	2.30	2.07	1.84	42	2.43	2.18	1.94
12FQ8	2.60	2.34	2.08	17DQ6B	Use 17GWC/17DQ6B			42KN6*	3.60	3.24	2.88
12FV7	1.70	1.53	1.36	17E8/HCC85	1.38	1.24	1.10	43	3.60	3.24	2.88
12FX5	1.63	1.46	1.30	17GE5	2.18	1.96	1.74	50A5	2.93	2.63	2.34
12FX8A	1.93	1.73	1.54	17GJ5A	2.75	2.48	2.20	50B5	1.48	1.33	1.18
12GC6*	1.98	1.78	1.58	17GT5A	2.45	2.21	1.96	50C5	1.28	1.15	1.02
12GE5*	2.05	1.85	1.64	17GV5	2.10	1.89	1.68	50DC4	1.20	1.08	.96
12GJ5A	2.45	2.21	1.96	17GW6/17DQ6B	2.13	1.91	1.70	50EH5	1.35	1.21	1.08
12GN7A*	2.23	2.00	1.78	17JB6A	2.75	2.48	2.20	50FE5	2.23	2.01	1.78
12GT5	2.68	2.41	2.14	17JG6A	3.15	2.84	2.52	50HC6	1.20	1.08	.96
12GW6/12DQ6B	2.13	1.91	1.70	17JM6A	2.10	1.89	1.68	50HK6	1.08	.97	.86
12H6	2.23	2.01	1.78	17JN6	1.95	1.76	1.56	50L6GT	1.78	1.60	1.42
12HE7	3.40	3.06	2.72	17JT6A	2.48	2.23	1.98	50X6	2.93	2.63	2.34
12HG7*	2.23	2.00	1.78	17JZ8	1.78	1.60	1.42	50Y6GT	2.18	1.96	1.74
12HL7*	2.23	2.00	1.78	17KV6*	3.65	3.29	2.92	50Y7GT	2.13	1.91	1.70
12J5GT	2.40	2.16	1.92	17LD8	Use 15KY8A			60FX5	1.48	1.33	1.18
12J8	2.18	1.96	1.74	17X10	2.25	2.03	1.80	80	2.40	2.16	1.92
12JB6A	3.10	2.79	2.48	18FW6A	1.23	1.10	.98	84/GZ4	2.60	2.34	2.08
12JN6	1.95	1.76	1.56	18FX6A	1.48	1.33	1.18	117L7/117M7GT	4.78	4.30	3.82
12JN8	1.85	1.67	1.48	18FY6A	1.48	1.33	1.18	117N7GT	6.43	5.79	5.14
12JT6A	2.48	2.23	1.98	18GD6A	1.48	1.33	1.18	117PTGT	6.43	5.79	5.14
12K5	1.73	1.55	1.38	19AU4GTA*	2.00	1.80	1.60	117Z3	2.25	2.03	1.80
12K7GT	3.30	2.97	2.64	19BG6GA	3.33	2.99	2.66	117Z6GT	3.35	3.02	2.68
12KL8	1.23	1.10	.98	19CL8A	1.85	1.67	1.48	5879	2.38	2.14	1.90
12L6GT	1.78	1.60	1.42	19EA8	2.23	2.00	1.78	6973	2.30	2.07	1.84
12MD8	2.43	2.18	1.94	19EZ8	2.25	2.03	1.80	7025	1.55	1.40	1.24
12R5	1.68	1.51	1.34	19GQ7	1.90	1.71	1.52	7027A	3.38	3.04	2.70
12SA7	2.95	2.66	2.36	19HR6	1.23	1.10	.98	7189	1.70	1.53	1.36
12SF5	1.93	1.73	1.54	19HS6	1.20	1.08	.96	7199	2.45	2.21	1.96
12SF7	3.10	2.79	2.48	19HV8	1.88	1.69	1.50	7247	1.60	1.44	1.28
12SG7	2.35	2.12	1.88	19J6	1.85	1.67	1.48	7355	1.84	1.64	1.46
12SH7	2.70	2.43	2.16	19JN8	1.60	1.44	1.28	7408	1.68	1.51	1.34
12SJ7	2.15	1.94	1.72	19KG8	1.55	1.40	1.24	7543	1.63	1.46	1.30
12SK7	2.23	2.01	1.78	19T8	2.45	2.21	1.96	7581A	2.28	2.05	1.82
12SK7GT	2.23	2.01	1.78	19X8	2.05	1.85	1.64	7591A	1.40	1.26	1.12
12SL7GT	2.08	1.87	1.66	20EZ7	1.70	1.53	1.36	7695	2.20	1.98	1.76
12SN7GTA	1.70	1.53	1.36	21GY5	2.33	2.09	1.86	7868	2.38	2.14	1.90
12SQ7	2.23	2.01	1.78	21JV6	2.33	2.09	1.86	8417	2.83	2.54	2.26
				21JZ6	2.43	2.18	1.94	EM84/6FG6	1.68	1.51	1.34



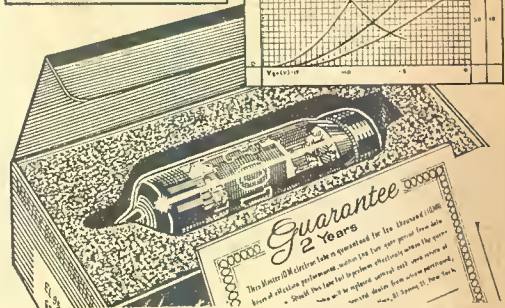
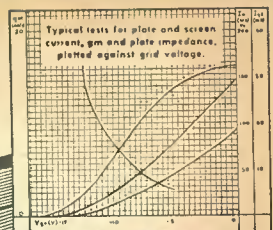
# Laboratory-Tested Hi-Fi Tubes

QUALITY TUBES GUARANTEED FOR 10,000 HOURS

Master **10X** Series

INDIVIDUALLY TESTED FOR:

- Tube-to-Tube Uniformity
- Noise and Microphonics
- Distortion
- Heater Current



Carefully designed and selected tubes, guaranteed for 10,000 hours of efficient and effective performance within a two-year period from the date of purchase. (Does not apply to broken tubes.) Individually laboratory-tested to assure long life. Feature tube-to-tube and section-to-section uniformity. Have stable, close-tolerance characteristics. Highly recommended for any critical circuit application such as in stereo hi-fi components, broadcast and antenna systems, instrumentation, computers, radar, commercial sound and public address systems, and many other devices. Ideal for today's technically advanced and exacting electronic assemblies. Each is packaged and sealed in a plastic-foam cushion for extra protection. Give optimum results with existing equipment as well as in designing new equipment. From Great Britain. Av. shpg. wt. per tube, 5 oz.

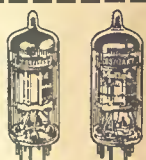
When Ordering, Please Specify Full Dept. No. AND Tube Type No.  
Example: 25 C 21 6AB8

Dept. No.	Tube Type	EACH	Dept. No.	Tube Type	EACH	Dept. No.	Tube Type	EACH
25 C 21	6AB8	2.60	25 C 21	6GK5	2.30	25 C 21	ECC85/6AQ8	2.30
25 C 21	6AJ8	2.55	25 C 21	6HG8	2.45	25 C 21	ECF86/6HG8	2.95
25 C 21	6AK5	3.10	25 C 21	6J6	2.45	25 C 21	EF86/6267	2.40
25 C 21	6AK8	2.65	25 C 21	6J6A	2.45	25 C 21	PCF86/8HG8	2.55
25 C 21	6AL5	1.80	25 C 21	6T8A	2.65	25 C 21	ECC88/6DJ8	2.95
25 C 21	6AQ5	2.05	25 C 21	8HG8	2.55	25 C 21	KT88	5.60
25 C 21	6A05A	2.05	25 C 21	9A8	3.10	25 C 21	EBF89/6DC8	2.50
25 C 21	6A08	2.30	25 C 21	12AT7	2.45	25 C 21	EF89/6DA6	2.65
25 C 21	6AT6	1.90	25 C 21	12AU7	2.10	25 C 21	EBC90/6AT6	1.70
25 C 21	6AU6	1.95	25 C 21	12AU7A	2.10	25 C 21	EC90/6C4	2.70
25 C 21	6AU6A	1.95	25 C 21	12AV6	1.85	25 C 21	EK90/6BE6	2.00
25 C 21	6AV6	1.85	25 C 21	12AX7	2.10	25 C 21	EL90/6AQ5	2.05
25 C 21	6BA6	1.85	25 C 21	12AX7A	2.10	25 C 21	EB91/6AL5	1.80
25 C 21	6BE6	2.00	25 C 21	12DW7	2.45	25 C 21	EBE91/6AV6	1.85
25 C 21	6BL8	2.80	25 C 21	15CW5	2.40	25 C 21	ECC91/6J6	2.45
25 C 21	6BQ5	2.05	25 C 21	KT66	3.68	25 C 21	HBC91/12AV6	1.85
25 C 21	6BQ5A	2.05	25 C 21	KT77	4.25	25 C 21	EP93/6BA6	1.90
25 C 21	6C4	2.70	25 C 21	EABC80/6AK8	2.65	25 C 21	EP94/6AU6	1.95
25 C 21	6DC8	2.50	25 C 21	ECF80/6BL8	2.90	25 C 21	EC95/6ER5	2.30
25 C 21	6DJ8	2.35	25 C 21	ECL80/6A38	2.60	25 C 21	EP95/6AK5	3.10
25 C 21	6DL5	2.45	25 C 21	PCF80/9A8	3.10	25 C 21	EL95/6DL5	2.45
25 C 21	6DX8	2.70	25 C 21	ECC81/12AT7	2.45	25 C 21	EC97/6V5	2.25
25 C 21	6EH7	2.50	25 C 21	ECH81/6AJ8	2.45	25 C 21	EF183/6EH7	2.50
25 C 21	6EJ7	2.50	25 C 21	ECC82/12AU7	2.10	25 C 21	EF184/6EJ7	2.50
25 C 21	6ER5	2.30	25 C 21	ECC83/12AX7	2.10	25 C 21	ECC189/6ES8	3.30
25 C 21	6ES8	3.30	25 C 21	ECL84/6DX8	2.70	25 C 21	6267	2.40
25 C 21	6EU7	2.25	25 C 21	EL84/6BQ5	2.05	25 C 21	7025	2.25
25 C 21	6FV5	2.25	25 C 21	PL84/15CW5	2.40	25 C 21	7247/12DW7	2.45

## MULLARD MATCHED PAIRS FOR SUPERIOR HI-FI PERFORMANCE

For optimum performance, it is important that the incoming signal be amplified proportionately in the push-pull output tubes in an audio amplifier. This prevents a loss of power as well as distortion of the complex wave forms of the audio signal and their harmonics.

Mullard's laboratory-balanced matched pairs are designed for this purpose. Matched pairs are available for virtually every high-fidelity amplifier. They will perform in each circuit exactly as the equipment was designed to operate. Av. shpg. wt., 10 oz.



When Ordering, Specify Dept. No. (25 C 21) AND Tube Type No.

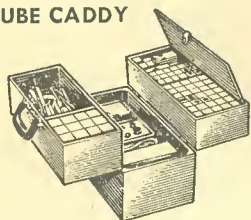
Dept. No.	Tube Type	PER PAIR	Dept. No.	Tube Type	PER PAIR	Dept. No.	Tube Type	PER PAIR
25 C 21	6AQ5A/EL90MP	2.48	25 C 21	45B5/UL84MP	2.96	25 C 21	EL90MP	Use 6A05A
25 C 21	6BM8/ECL82MP	3.30	25 C 21	50B8M/UCL82MP	3.48	25 C 21	EL95MP	Use 6DL5
25 C 21	6BQ5/EL84MP	3.05	25 C 21	ECL86MP	3.43	25 C 21	KT66MP	8.00
25 C 21	6CA7/EL34MP	5.93	25 C 21	EL34MP	Use 6CA7	25 C 21	KT77MP	9.25
25 C 21	6CW5/EL86MP	2.87	25 C 21	EL37MP	6.95	25 C 21	KT88MP	11.95
25 C 21	6DL5/EL95MP	3.37	25 C 21	EL84MP	2.47	25 C 21	UCL82MP	Use 50B8M
25 C 21	6GW8/ECL86MP	3.43	25 C 21	EL86MP	Use 6CW5	25 C 21	UL84MP	Use 45B5
							7189MP	3.21

## ARGOS SERVICEMEN'S TUBE CADDIES

### JUNIOR TUBE CADDY

**\$10<sup>95</sup>**

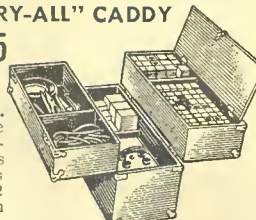
Type TC-201. Easy-to-carry—only two-thirds the size and weight of ordinary caddies. Perfect for quick servicing trips. Holds up to 143 tubes with room for meters and tools. "Break-open" section has cover and snap lock for keeping small parts in order. Gray vinyl covering is long-wearing and abrasion-resistant. Has clasp lock. Plastic handle. 12 1/2 x 15 3/4 x 8". Shpg. wt., 8 lbs. 24 C 9681 X ..... 10.95



### "CARRY-ALL" CADDY

**\$16<sup>95</sup>**

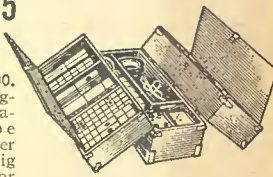
Type TC-400. One of the most popular caddies sold. Carries up to 262 tubes with room for soldering gun, meter, probes, tools, and assorted small parts. "Break-away" design permits quick access to all sections. Partitions aid in orderly arrangement of parts. Has two clasp locks; plastic carrying handle. Scuff-proof gray vinyl covering. Size, 15 x 21 x 8". Shpg. wt., 11 lbs. 24 C 9682 X ..... 16.95



### SUPER TUBE CADDY

**\$29<sup>95</sup>**

Type TC-600. Most rugged, durable tube caddy ever built. Big double door caddy for tubes, tools and parts. Saves extra trips—carries a full load of up to 325 tubes with space for test equipment. Steel strips protect bottom, sides from rough wear. Removable 2 3/4" deep small parts tray. Gray vinyl. 16 1/2 x 24 x 8 1/2". 22 lbs. 24 C 9683 X. \$5 Monthly. .... 29.95



Always Specify Dept. No. and Mfr's Tube Type No. When Ordering

ALLIED 299

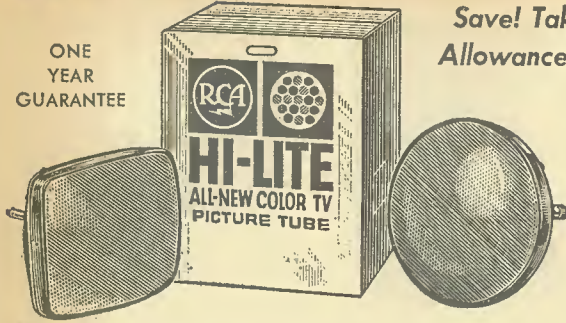




# Guaranteed TV Picture Tubes

Save! Take Advantage of Allied's Generous Trade-In Allowances by Returning Your Used Color Picture Tube

ONE YEAR GUARANTEE



## HI-LITE AND COLORAMA COLOR TUBES ARE SAME QUALITY TUBES AS USED IN BRAND-NEW SETS

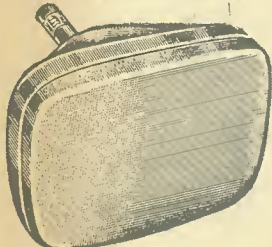
RCA Hi-Lite Color Tubes. All-new with advanced green and blue sulfide phosphors, plus rare earth red phosphor to provide color fidelity at its finest. Guaranteed for one year. RCA Colorama Tubes. Contain used materials which are carefully inspected to meet RCA's standards. Guaranteed one year. Old tubes returned to Allied for allowance must be shipped prepaid in the same carton in which your new tube was received. Specify Dept. No. (25 C 28), "Ship." Letter, and Tube Type. Example: 25 C 28 Z H-15LP22.

### New Hi-Lite Color Picture Tubes

Ship.	Tube Type	Wt. Lbs.	Bulb Allow.	EACH
Z	H-15LP22	17	20.00	112.00
Z	H-15NP22	16	20.00	109.00
Z	H-19GVP22 Replaces: 19EXP22; 49QB22; 49OLB22	29	25.00	133.00
Z	H-19GWP22 Replaces: 19EYP22; 19FMP22; 19FXP22	30	25.00	142.50
Z	H-21GUP22 Replaces: 21AXP22,A; 21CPY22,A; 21FBP22,A	46	17.50	111.50
Z	H-21GVP22 Replaces: 21FJP22,A; 21FKP22	54	17.50	121.00
Z	H-22JP22 Replaces: 22LP22	42	25.00	166.50
Z	H-25XP22 Replaces: 25AP22; HR/25AP22A; RE25AP22,A; REA25AP22A; 25CP22; REA25CP22; 25GP22,A; RE25GP22; 25SP22	52	25.00	163.00
Z	H-25YP22 Replaces: 25BP22,A; RE25BP22,A; 25FP22,A; RE25FP22,A; 25RP22	54	25.00	156.00

### Colorama Picture Tubes

Ship.	Tube Type	Wt. Lbs.	Bulb Allow.	EACH
Z	I5GP22	38		128.00
Z	C-15LP22	17	20.00	105.50
Z	C-15NP22	16	20.00	102.50
Z	C-19EYP22	30	25.00	112.50
Z	C-19GVP22/19EXP22	29	25.00	112.50
Z	C-19GWP22/19EYP22	30	25.00	112.50
Z	C-19HNP22	29	30.00	158.00
Z	C-21AXP22A	45	10.00	93.25
Z	C-21CYP22A	45	10.00	86.50
Z	C-21FBP22	45	17.50	76.75
Z	C-21FJP22	54	17.50	86.00
Z	C-21GUP22/21FBP22A	46	17.50	88.50
Z	C-21GVP22/21FJP22A	54	17.50	98.50
Z	C-22JP22	42	25.00	140.00
Z	C-22UP22	38	30.00	176.00
Z	C-23EGP22A	52	25.00	186.00
Z	C-25AJP22	54	30.00	188.00
Z	C-25AP22A	52	25.00	116.00
Z	C-25BP22A	52	25.00	106.00
Z	C-25XP22/25AP22A	52	25.00	116.00
Z	C-25YP22/25BP22A	54	25.00	106.00



## RCA BLACK-AND-WHITE PICTURE TUBES

### ALL TUBES GUARANTEED ONE FULL YEAR

- Premium Quality Name-Brand Tubes At Lowest Cost
- Replace Almost All Existing Types
- Each Carries Same Guarantee as All-New Picture Tube
- Most Have Aluminized Screens

Provide greater contrast, brighter picture. All parts and materials used are brand new, except for the envelope, which is carefully inspected to meet standards of the original new envelope. Where alternate tubes are indicated, the substitute is interchangeable with the original. New

tube types are added to stock as soon as released by the manufacturer. Allied provides you with complete, immediate satisfaction and personalized service. Types marked with \* are not illuminated. To order: Specify Dept. No. (25 C 28), "Ship." Letter, and Tube Type.

Ship.	Type	Lbs.	EACH	Ship.	Type	Lbs.	EACH	Ship.	Type	Lbs.	EACH	Ship.	Type	Lbs.	EACH
X	5AXP4*	5	27.80	U	14DP4*	...	Use 14CP4B	U	16WP4A*	21	30.66	U	17DQP4	13	2 15
X	5TP4	5	56.80	U	14EP4*	...	Use 14CP4B	U	16XP4*	...	Use 16RP4B	U	17DRP4	14	3.98
X	7JP4*	7	22.41	U	14NP4/A	...	Use 14WP4	U	16YP4*	...	Use 16VWP4A	U	17DSP4	13	21.80
X	8DP4	8	24.07	U	14RP4/A	...	Use 14WP4	U	16ZP4*	...	Use 16LP4A	U	17DTP4	...	Use 17DKP4
X	8XP4	8	30.72	U	14SP4	...	Use 14WP4	U	17AP4*	...	Use 17BP4D	U	17DXP4	14	24.40
X	8YP4*	8	33.65	U	14WP4	12	28.86	U	17ATP4*	...	Use 17BJP4	U	17DZP4	...	Use 17DXP4
X	9WP4	10	21.45	U	14ZP4	...	Use 14WP4	U	17ATP4A	...	Use 17BJP4	U	17EBP4	...	Use 17EFP4
X	10BP4A*	14	27.60	U	16ALP4A	...	Use 16LP4A	U	17AVP4	...	Use 17BJP4	U	17EFP4	24	24.40
X	10BP4C/D	...	Use 10FP4A	U	16AP4A	25	20.88	U	17AVP4/A	...	Use 17BJP4	U	17EMP4	14	38.25
X	10CP4*	...	Use 10FP4A	U	16AS4	...	Use 16CMP4A	U	17BJP4	17	20.25	U	17FP4	...	Use 17HP4C
X	10EP4*	...	Use 10BP4A	U	16ATP4	...	Use 16CHP4A	U	17BP4B	...	Use 17BP4D	U	17FP4A	...	Use 17HP4C
X	10FP4A	13	29.39	U	16AYP4	9	29.39	U	17BP4D	20	18.75	U	17GP4*	...	Use 17TP4
X	11AP4	...	Use 11HP4A	U	16BG4	22	31.85	U	17BRP4	...	Use 17DSP4	U	17HP4/C	16	18.62
X	11BP4	...	Use 11HP4A	U	16BVP4	...	Use 16CMP4A	U	17BUP4	...	Use 17BP4	U	17JP4*	...	Use 17BP4A
X	11CP4	4	25.80	U	16BWP4	...	Use 16BG4	U	17BVP4	...	Use 17CSP4	U	17LP4A/B	16	20.42
X	11GP4	4	27.38	U	16CAP4	...	Use 16BG4	U	17BWP4	...	Use 17CSP4	U	17QP4A/B	14	20.42
X	11HP4A	4	24.67	U	16CEP4	...	Use 16CMP4A	U	17BZP4	...	Use 17DSP4	U	17RP4/C	...	Use 17HP4C
U	12BNP4A	5	28.20	U	16CHP4A	22	32.10	U	17CAP4	...	Use 17DSP4	U	17TP4*	16	19.43
U	12CFP4	...	Use 12CNP4	U	16CJP4A	...	Use 16CMP4A	U	17CBP4	...	Use 17BJP4	U	17UP4*	...	Use 17QP4B
U	12CGP4	...	Use 12BNP4A	U	16CMP4A	23	32.60	U	17CDP4	14	32.61	U	17DP4/B*	...	Use 17LP4B
U	12CNP4	7	26.48	U	16CP4*	...	Use 16LP4A	U	17CFP4	17	24.54	U	17YP4*	...	Use 17QP4B
U	12JP4*	...	Use 12KP4A	U	16DP4A*	23	18.42	U	17CKP4	...	Use 17DSP4	U	19ABP4	19	35.60
U	12KP4A	17	28.79	U	16GP4B*	...	Use 16WP4A	U	17CLP4	...	Use 17BJP4	Z	19ACP4	...	Use 19CHP4
U	12LP4A/C*	...	Use 12KP4A	U	16KP4/A	...	Use 16RP4B	U	17CP4*	16	25.81	Z	19AFP4	...	Use 19AUP4
U	12QP4/A*	...	Use 12KP4A	U	16QP4*	...	Use 16RP4B	U	17CSP4	13	24.17	Z	19AHP4	19	30.26
U	12TP4*	...	Use 12KP4A	U	16RP4B	22	18.42	U	17CWP4	...	Use 17DSP4	Z	19AJP4	19	30.26
U	12AP4/A	...	Use 12KP4A	U	16SP4A*	...	Use 16WP4A	U	17CYP4	17	31.39	Z	19ARP4	...	Use 19AUP4
U	14ATP4	12	27.20	U	16TP4*	21	28.20	U	17DAP4	13	31.40	Z	19AUP4	19	37.40
U	14BP4/A*	...	Use 14CP4B	U	16UP4*	...	Use 16RP4B	U	17DHP4	...	Use 17EFP4	Z	19AVP4	19	30.26
U	14CP4/A/B*	...	Use 14CP4B	U	16VP4*	...	Use 16WP4A	U	17DKP4	14	24.15	Z	19AXP4	...	Use 19AYP4
U	14CP4B	14	26.07					U	17DLP4	...	Use 17DSP4	Z	19AYP4	24	30.26

Listings Continued on Following Page.



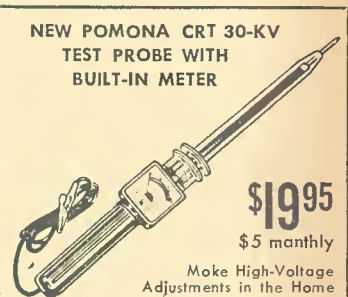
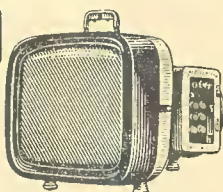
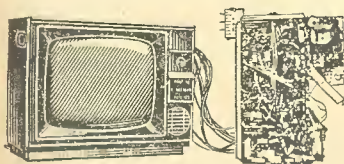
# Guaranteed TV Picture Tubes (Cont'd)



HOW TO ORDER: Specify Dept. No. 25 C 28, "X", "U", or "Z" Shipment and Tube Type No.

Ship.	Type	Lbs.	EACH	Ship.	Type	Lbs.	EACH	Ship.	Type	Lbs.	EACH	Ship.	Type	Lbs.	EACH
Z	19BDP4	24	27.19	Z	20LP4	...	Use 20HP4E	Z	21XP4A/B	33	29.46	Z	23FRP4	40	41.75
Z	19BHP4	...	Use 19AVP4	Z	20MP4*	...	Use 20HP4E	Z	21YP4A/B	32	17.56	Z	23FSP4	40	41.75
Z	19BLP4	...	Use 19AVP4	Z	20SP4	21	39.80	Z	21ZP4B/C	33	17.56	Z	23FVP4/A	...	Use 23HFP4A
Z	19BTP4	26	30.26	Z	20T4	21	39.20	Z	23AFP4	...	Use 23YP4A	Z	23GBP4	...	Use 23HFP4A
Z	19BVP4	...	Use 19AVP4	Z	21ACP4/A	...	Use 21AMP4B	Z	23AHP4	39	35.40	Z	23GEP4	...	Use 23FBP4A
Z	19BWP4	...	Use 19AVP4	Z	21AFP4*	...	Use 21YP4B	Z	23ALP4	...	Use 23CGP4	Z	23GJP4/A	34	41.00
Z	19CDP4	...	Use 19XCP4	Z	21ALP4/A/B	...	Use 21CBP4A	Z	23ANP4	...	Use 23BLP4	Z	23GP4	...	Use 23CP4
Z	19CFP4	...	Use 19CHP4	Z	21AMP4A/B	35	17.72	Z	23ARP4	35	38.50	Z	23GSP4	40	41.60
Z	19CHP4	24	30.26	Z	21ANP4/A	...	Use 21CBP4A	Z	23ASP4	36	35.40	Z	23GTP4	...	Use 23ETP4
Z	19CJP4	...	Use 19AVP4	Z	21AP4*	...	Use 21ZP4C	Z	23ATP4	...	Use 23BLP4	Z	23GWP4	...	Use 23GJP4A
Z	19CKP4	...	Use 19CHP4	Z	21AQP4/A	...	Use 21AMP4B	Z	23AUP4	...	Use 23AHP4	Z	23GXP4	...	Use 23GSP4
Z	19CLP4	...	Use 19BDP4	Z	21ASP4*	...	Use 21XP4B	Z	23AVP4	...	Use 23CP4	Z	23HFP4A	40	40.40
Z	19CMP4	26	30.26	Z	21ATP4/A/B	...	Use 21CBP4	Z	23AWP4	...	Use 23BJP4	Z	23HP4	40	41.60
Z	19CQP4	...	Use 19XCP4	Z	21AUP4/A/B	...	Use 21AVP4C	Z	23BDP4	...	Use 23YP4A	Z	23HFP4	...	Use 23HFP4A
Z	19CRP4	...	Use 19BDP4	Z	21AVP4B/C	24	23.82	Z	23BGP4	36	37.50	Z	23HLP4	...	Use 23GSP4
Z	19CXP4	26	30.26	Z	21A WP4/A	26	23.82	Z	23BHP4	...	Use 23BG4	Z	23HP4	...	Use 23CP4
Z	19CYP4	...	Use 19BTP4	Z	21AYP4*	...	Use 21XP4B	Z	23BJP4	35	35.40	Z	23HQP4	...	Use 23HG4
Z	19DCP4	...	Use 19DRP4	Z	21BAP4	...	Use 21CBP4A	Z	23BKP4	44	37.50	Z	23HRP4	...	Use 23HW4A
Z	19DEP4	...	Use 19AVP4	Z	21BCP4	...	Use 21YP4B	Z	23BLP4	45	41.42	Z	23HUP4A	40	40.50
Z	19DFP4	...	Use 19CHP4	Z	21BDP4	...	Use 21AVP4C	Z	23BNP4	...	Use 23CP4	Z	23HW4A	...	Use 23HW4A
Z	19DHP4	...	Use 19DSP4	Z	21BNP4	...	Use 21CBP4A	Z	23BQP4	40	39.00	Z	23HWP4A	28	42.00
Z	19DLP4	...	Use 19CHP4	Z	21BSP4	...	Use 21AMP4B	Z	23BTP4	...	Use 23YP4A	Z	23HXP4	...	Use 23HFP4A
Z	19DQP4	26	32.87	Z	21BT4	...	Use 21CBP4A	Z	23BVP4	...	Use 23YP4	Z	23JP4	43	38.87
Z	19DRP4	26	32.87	Z	21CBP4A	33	17.72	Z	23BWP4	...	Use 23YP4A	Z	23KP4	...	Use 23FP4A
Z	19DSP4	26	32.87	Z	21CEP4/A	...	Use 21DFP4	Z	23CBP4	35	41.42	Z	23MP4/A	...	Use 23FP4A
Z	19DUP4	...	Use 19ENP4A	Z	21CMP4	...	Use 21CBP4A	Z	23CGP4	40	35.00	Z	23NP4	40	33.00
Z	19DWP4	...	Use 19DQP4	Z	21CQP4	20	31.00	Z	23CP4	36	39.00	Z	23TP4	...	Use 23YP4
Z	19EAP4	...	Use 19ENP4A	Z	21CUP4	...	Use 21AMP4B	Z	23CP4A	...	Use 23CP4	Z	23UP4	...	Use 23GQP4
Z	19EBP4	26	35.00	Z	21CVP4	...	Use 21CBP4A	Z	23CQ4	36	33.10	Z	23WP4	...	Use 23FP4A
Z	19EDP4	...	Use 19DRP4	Z	21CW4	...	Use 21CBP4A	Z	23CZ4	...	Use 23AHP4	Z	23XP4	...	Use 23YP4
Z	19EGP4	26	35.00	Z	21CX4	...	Use 21DSP4	Z	23DAP4	28	35.50	Z	23YP4	48	38.87
Z	19EHP4/A	...	Use 19DRP4	Z	21CZ4	...	Use 21DEP4A	Z	23DBP4	30	39.17	Z	23Z4	...	Use 23BLP4
Z	19EJP4	...	Use 19FEP4B	Z	21DAP4	...	Use 21DEP4A	Z	23DLP4	...	Use 23ENP4	Z	24ADP4	...	Use 24CP4B
Z	19ELP4	...	Use 19AVP4	Z	21DEP4A	26	27.40	Z	23DLP4A	...	Use 23ENP4	Z	24AEP4	46	25.00
Z	19ENP4A	26	32.87	Z	21DFP4	33	27.40	Z	23DNP4	...	Use 23BLP4	Z	24AHP4	40	38.10
Z	19ERP4	...	Use 19DRP4	Z	21DHP4	32	31.00	Z	23DYP4	...	Use 23ETP4	Z	24AJ4	...	Use 24ATP4
Z	19ESP4	...	Use 19DSP4	Z	21DIP4	30	26.60	Z	23DZ4	...	Use 23EQP4	Z	24ALP4	...	Use 24AHP4
Z	19EUP4	...	Use 19DRP4	Z	21DMP4	...	Use 21FAP4	Z	23ECP4	...	Use 23ENP4	Z	24ANP4	...	Use 24AEP4
Z	19EVP4	...	Use 19DQP4	Z	21DNP4	...	Use 21CBP4	Z	23EDP4	...	Use 23EKD4	Z	24AT4	39	46.60
Z	19EWP4	...	Use 19DQP4	Z	21DQP4	...	Use 21DLP4	Z	23EKP4	29	40.20	Z	24AUP4	39	35.51
Z	19FAP4	...	Use 19DQP4	Z	21DSP4	37	23.89	Z	23ENP4	33	40.20	Z	24AVP4	...	Use 24BEP4
Z	19FDP4	...	Use 19DQP4	Z	21EAP4	...	Use 21FDP4	Z	23EP4	...	Use 23HFP4A	Z	24BAP4	34	52.80
Z	19FEP4B	26	33.70	Z	21EMP4	...	Use 21EQ4	Z	23EQP4	40	39.95	Z	24BEP4	36	49.10
Z	19FJP4/A	...	Use 19DQP4	Z	21EP4B/C	35	24.60	Z	23ESP4	...	Use 23HFP4A	Z	24CP4A/B	33	25.00
Z	19FLP4	26	35.40	Z	21EQ4A	29	31.03	Z	23ETP4	41	39.00	Z	24DP4/A	...	Use 24AEP4
Z	19FP4	...	Use 19EGP4	Z	21ESP4	...	Use 21FAP4	Z	23EWP4/A	...	Use 23EQP4	Z	24QP4*	...	Use 24CP4B
Z	19FSP4	...	Use 19ENP4A	Z	21FAP4	...	Use 21FDP4	Z	23EYP4	44	43.80	Z	24TP4	...	Use 24CP4B
Z	19FTP4	...	Use 19FLP4	Z	21FAP4	29	20.68	Z	23EZP4	40	42.80	Z	24VP4/A	...	Use 24CP4B
Z	19GJP4/A	...	Use 19DQP4	Z	21FDP4	29	39.50	Z	23FBP4	40	43.30	Z	24XP4*	...	Use 24CP4B
Z	19XP4	...	Use 19AVP4	Z	21FLP4	...	Use 21CBP4A	Z	23FCP4	...	Use 23GJP4A	Z	24YP4	...	Use 24AEP4
Z	19YP4	...	Use 19BTP4	Z	21FP4C	...	Use 21FP4D	Z	23FDP4	...	Use 23GJP4A	Z	24ZP4	...	Use 24AEP4
Z	19ZP4	...	Use 19AVP4	Z	21FP4D	35	24.70	Z	23FEP4	...	Use 23ENP4	Z	27E4	...	Use 27RP4A
Z	20CP4*	...	Use 20DP4D	Z	21F4P4	19	40.96	Z	23FHP4	...	Use 23GJP4A	Z	27GP4*	...	Use 27RP4A
Z	20CP4A/B/C	...	Use 20DP4D	Z	21FW4	...	Use 21FVP4	Z	23FJP4	...	Use 23ETP4	Z	27NP4*	...	Use 27RP4A
Z	20CP4D	...	Use 20DP4D/E	Z	21FZP4	...	Use 21FVP4	Z	23FLP4	...	Use 23EK4	Z	27RP4A/A	62	71.42
Z	20DP4C/D	24	35.40	Z	21GAP4A	23	42.08	Z	23FP4	...	Use 23HFP4	Z	23DR4	...	Use 19WP4
Z	20HP4D/E	30	35.40	Z	21WP4A/B	31	29.46	Z	23FP4A	34	33.10	Z	310AV4	...	Use 12CNP4

## RCA COLOR AND B&W TV SERVICING EQUIPMENT



**RCA MARK II TV COLOR TEST JIG**

- Trouble-Shoot TV in Customer's Home
- Lightweight, Completely Portable

**MARK III DELUXE PORTABLE JIG**

- Matched Components for Accuracy
- With Needed Deflection Components

Trouble-shoot TV chassis, including de-aussing circuits. For RCA 90° rectangular chassis (18" dia., 180 sq. in.; 20" dia., 227 sq. in.; 23" dia., 295 sq.) plus RCA 21" 70° round receivers made within the past 10 yrs. Deflection yoke, blue lateral magnet assembly, convergence components. 19x24 1/2 x 16". Less CRT tube, speaker.

Identify problems in the tube neck and components without removing chassis. For RCA 90° rectangular chassis (18" dia., 180 sq. in.; 20" dia., 227 sq. in.; 23" dia., 295 sq. in.) plus RCA 21" 70° round receivers made in past 10 yrs. Deflection yoke, purity and blue lateral magnet assembly. 15x17 3/4 x 17 1/2". Less CRT.

21 C 4246 U. Shpg. wt., 32 lbs.... 99.50  
21 C 4247. 10J115 Extension Cables, Adopter Kit for Mark II. For color. 2 lbs.... 20.85

21 C 4221 U. Shpg. wt., 16 lbs.... 99.50  
21 C 4222. 10J116 Extension Cables, Adopter Kit for Mark III. For color. 2 lbs.... 19.20

**\$19.95**  
\$5 monthly

Make High-Voltage Adjustments in the Home

New self-contained probe is small enough to carry in a tube caddy. Tests high voltage on any color or black-and-white TV set. Features exclusive built-in voltmeter. Range: 0-30,000 VDC. Sensitivity: 20K ohms/volt (50 μA) movement. ±3% full scale. Multiplier: 600 meg-ohms, ±2% full scale. High-impact thermoplastic handle and polystyrene probe, 14 3/4" long.

21 C 416D. Shpg. wt., 8 oz. 19.95

Specify Dept. No. 25 C 28: "X", "U", or "Z" Shipment and Tube Type No.

ALLIED 301



# Special-Purpose High Reliability Tubes



## ORDERING INFORMATION

When ordering, be sure to include the full Stock No. of each tube you need. This consists of two parts. 1. The Department No., and 2. The Tube Type No. i.e., 59 C 1 (Dept. No.) OA3, (Tube Type); thus 59 C 1-OA3.

## USE YOUR ALLIED CREDIT FUND TO BUY TUBES

Buy all the tubes you need now and take up to two years to pay. Allied's Credit Fund Plan gives you top buying power and the best credit terms in the

electronics industry. There's no money down... nothing to pay for 30 days. Pay only \$5 monthly for up to \$100 worth of tubes or anything that Allied sells.

Highly reliable, special-purpose tubes from famous manufacturers. Meet exacting specifications in commercial, military, Amateur, and experimental uses. Carefully made and thoroughly tested. Spe-

cial high-fidelity tubes are followed by brackets in table below. (Type in brackets indicates receiving tube prototype.) All are directly interchangeable; need no rewiring.

## DEPARTMENT NO. KEY TO NAMES OF MANUFACTURERS

59 C 1.....	Radio Corporation of America	59 C 4.....	Amperex
59 C 2.....	Roytheon	59 C 12.....	Sylvania Electric
59 C 3.....	General Electric		

Stock No.			Stock No.			Stock No.			Stock No.		
Dept.	Tube Type	EACH	Dept.	Tube Type	EACH	Dept.	Tube Type	EACH	Dept.	Tube Type	EACH
59 C 1	OA2	1.32	59 C 1	812A	7.20	59 C 3	5881 MP	7.85	59 C 1	6661/68H6	1.34
59 C 4	OA2/150C2	1.26	59 C 1	816	4.10	59 C 2	5886	5.00	59 C 1	6663/6AL5	.92
59 C 1	OA3	1.54	59 C 1	866A	3.75	59 C 1	5902	4.80	59 C 1	6677/6CL6	1.85
59 C 3	OA4G	1.90	59 C 4	866AX	4.50	59 C 1	5915	1.62	59 C 1	6678/6UBA	1.62
59 C 1	OB2	1.37	59 C 1	872A	10.70	59 C 1	5963	1.36	59 C 1	6679/12AT7	1.50
59 C 4	OB2/108C1	1.32	59 C 1	884	2.28	59 C 1	5964	1.55	59 C 1	6680/12AU7A	1.22
59 C 1	OB2WA	2.40	59 C 1	922	3.80	59 C 1	5965	1.92	59 C 4	6688A	6.80
59 C 1	OC2	1.50	59 C 1	923	5.00	59 C 3	5965A	1.90	59 C 1	6883	4.30
59 C 1	OC3	1.50	59 C 1	925	5.45	59 C 1	6005	3.23	59 C 4	6922/EB8CC	4.87
59 C 1	OD3	1.44	59 C 1	926	5.15	59 C 4	6007	1.72	59 C 4	6977	2.50
59 C 4	OG3/85A2	2.30	59 C 1	927	6.45	59 C 1	6012	7.65	59 C 4	7025A	1.40
59 C 2	1A4	2.80	59 C 1	929	3.65	59 C 1	6021	3.50	59 C 1	7054	1.54
59 C 2	1AG4	7.30	59 C 1	930	5.30	59 C 1	6072	3.90	59 C 1	7056	.92
59 C 1	1P39	3.45	59 C 1	931A	12.10	59 C 3	6072A	4.10	59 C 1	7059	1.48
59 C 1	1P40	5.05	59 C 2	1026	4.80	59 C 1	6073	3.00	59 C 1	7060	1.75
59 C 1	2D21	1.29	59 C 1	1612	5.77	59 C 1	6074	3.45	59 C 1	7061	1.29
59 C 1	2E26	3.95	59 C 1	1614	4.93	59 C 1	6080	5.33	59 C 4	7062	2.75
59 C 1	2X2A	4.20	59 C 1	1619	6.23	59 C 3	6087/5Y3WGTB	6.28	59 C 4	7119	2.95
59 C 1	3A4	1.25	59 C 1	1620	7.55	59 C 2	6088	3.35	59 C 3	7167	1.45
59 C 1	3A5	2.03	59 C 1	1622	5.35	59 C 1	6111	3.70	59 C 4	7189	1.55
59 C 3	5R4GYA	2.05	59 C 1	1625	5.80	59 C 1	6112	4.15	59 C 3	7233	2.50
59 C 1	5R4GY8	2.03	59 C 1	1629	2.04	59 C 1	6136	2.70	59 C 3	7239	7.65
59 C 12	5UP1	21.50	59 C 1	1635	4.20	59 C 1	6146A	4.35	59 C 4	7247	1.60
59 C 12	5Y3WGT A	4.05	59 C 1	2050	2.40	59 C 1	6146B/8298A	5.20	59 C 4	7308	5.20
59 C 1	6AK6	1.40	59 C 3	2050A	2.05	59 C 1	6146 W/7212	6.75	59 C 1	7360	3.77
59 C 2	6AN5	4.17	59 C 2	2050W	7.50	59 C 1	6189/12AU7 WA	3.70	59 C 1	7551	3.37
59 C 1	6A56	3.43	59 C 1	5557	9.50	59 C 1	6197	2.30	59 C 1	7558	3.49
59 C 1	6A57G	4.93	59 C 1	5581	5.30	59 C 1	6201	2.95	59 C 1	7586	3.35
59 C 12	6D4	2.85	59 C 1	5582	6.75	59 C 3	6202/6X4W	4.10	59 C 1	7587	5.20
59 C 1	6DJ8/EC88	1.89	59 C 1	5583	8.75	59 C 3	6203	4.30	59 C 1	7735B	170.00
59 C 1	6J4	4.02	59 C 1	5642	3.53	59 C 1	6211	2.15	59 C 4	7737	8.36
59 C 1	6X4W	1.60	59 C 1	5651A	1.78	59 C 3	6216	4.00	59 C 4	7788	10.20
59 C 1	12AT7 WA	2.53	59 C 1	5654	2.41	59 C 3	6265	4.30	59 C 1	7895	3.35
59 C 4	EL34(6CA7)	2.68	59 C 1	5654A	2.41	59 C 4	6267/EF86	1.30	59 C 1	7898	1.34
59 C 4	GZ34(5AR4)	2.62	59 C 1	6096	2.45	59 C 1	6293	5.95	59 C 1	7905	3.85
59 C 4	EL37	5.43	59 C 1	5670	2.45	59 C 1	6350	1.85	59 C 3	7984	5.35
59 C 4	DM70(1M3)	1.13	59 C 1	5670 WA	2.45	59 C 4	6360	4.95	59 C 1	8008	11.80
59 C 4	EABC80	1.88	59 C 2	5672	2.27	59 C 4	6360A	4.95	59 C 1	8032	4.95
59 C 4	ECF80(68L8)	1.35	59 C 2	5676	3.05	59 C 1	6417	3.33	59 C 1	8056	5.00
59 C 4	EF80(68X6)	2.28	59 C 1	5686	3.37	59 C 2	6418	3.20	59 C 3	8068	3.80
59 C 4	EZ80(6V4)	.75	59 C 3	5687	4.05	59 C 3	6463	1.90	59 C 3	8136	2.50
59 C 4	ECC81(12AT7)	1.93	59 C 1	5691	8.75	59 C 2	6485	2.05	59 C 4	8228	2.90
59 C 4	ECH81(6AJ8)	1.38	59 C 1	5692	8.25	59 C 1	6550	4.59	59 C 1	9001	5.38
59 C 4	EZ81(6CA4)	1.23	59 C 1	5693	6.60	59 C 1	6550VT	9.25	59 C 1	9002	4.14
59 C 4	ECC82(12AU7)	1.15	59 C 1	5696	1.95	59 C 1	6626/OA2 WA	3.35	59 C 1	9003	5.38
59 C 1	83	1.89	59 C 2	5702	4.20						
59 C 4	ECC83(12AX7A)	1.25	59 C 1	5718	3.65						
59 C 4	EL84(68Q5)	1.48	59 C 1	5725	3.15						
59 C 4	EM84(6FG6)	1.65	59 C 3	5725/6A56W	3.15						
59 C 4	EL84MP(68Q5)	2.58	59 C 1	5726/6AL5W	1.55						
59 C 4	ECC85(6AQ8)	1.50	59 C 1	5727	2.90						
59 C 4	EF85(6BY7)	1.68	59 C 1	5727/2D21 W	2.90						
59 C 4	ECL86(6GW8)	1.53	59 C 1	5749	2.20						
59 C 4	EF86(6267)	1.40	59 C 3	5749/68A6 W	2.20						
59 C 4	EL86(6CW5)	1.38	59 C 1	5750	3.45						
59 C 4	UF86	2.65	59 C 1	5751	2.55						
59 C 4	ECC88(6DJ8)	1.90	59 C 1	5751 WA	2.55						
59 C 4	EBF89(6DC8)	1.53	59 C 2	5755	9.30						
59 C 4	EF89(6DA6)	2.10	59 C 1	5763	2.45						
59 C 4	EZ90(6X4)	.90	59 C 1	5814A	2.35						
59 C 4	EF91	3.53	59 C 1	5823	1.72						
59 C 4	EF95	2.25	59 C 3	5824	3.60						
59 C 4	EL95(6DL5)	1.48	59 C 1	5840	5.35						
59 C 12	GB407A	5.90	59 C 1	5842/417A	7.35						
59 C 12	GB408A	4.95	59 C 3	5844	2.40						
59 C 1	417A See 5842	417A	59 C 12	5845	9.95						
59 C 2	512AX	4.15	59 C 4	5847	9.55						
59 C 2	533AX	4.20	59 C 1	5876A	7.30						
59 C 1	807	3.80	59 C 3	5879	2.20						
59 C 1	811A	7.75	59 C 3	5881	3.50						

## ALLIED STOCKS A WIDE VARIETY OF HIGH-RELIABILITY AND SPECIAL-PURPOSE TUBES FOR ALL YOUR ELECTRONIC REQUIREMENTS

- Over 800 Types
- Credit Fund Purchases
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Allied keeps in stock and ready for immediate shipment over 800 types of special-purpose and high-fidelity tubes. Due to space requirements however, we can only list the most popular of these tubes in our catalog. If you need a special-purpose or high-fidelity tube type not listed, simply write Allied for prompt information. Use your Allied Credit Fund Account when you make a special-purpose tube purchase. No money down, up to two years to pay.



# Mallory "Duracell" Mercury Batteries

- Extremely Long Shelf Life • Uniform Discharge Voltage
- Ideal for Applications that Demand High Reliability

Mercury batteries provide more power per unit of volume than any other type. Voltage stability is excellent throughout long operating life, and shelf storage life is outstanding. Actually cost less per listening hour

- Extended Operating Life Ensured by Superior Construction
- Self-Venting of TR Types to Release Excessive Gas

than other batteries in most transistor radios. "T" suffix indicates 1/2" tab on negative terminal; "T2" suffix indicates tabs on both ends. \* Indicates capacity in milliampere hours. † With snap terminals.

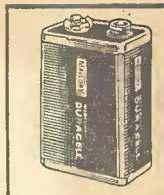
Stock No.	Mfr's Type	Price	Volts	mAh*	Use	Replaces		
						Dia. x Ht. or HWD	Eveready Burgess	
18 C 5921	RM1	Pkg. of 2 for 1.14	1.4	1000	Electronic	5/8x2 1/2"	E1	HG1
18 C 5922	RM1R	Pkg. of 2 for 1.28	1.35	1000	Electronic	5/8x2 1/2"	E1N	HG1R
18 C 5800	RM1RT	Pkg. of 2 for 1.38	1.35	1000	Electronic	5/8x2 1/2"	E3	HG3
18 C 5924	RM3R	Pkg. of 2 for 2.10	1.35	2200	Electronic	1x2 1/2"	E4	HG4
18 C 5925	RM4R	Pkg. of 2 for 2.62	1.35	3400	Electronic	1 1/5x2 1/2"		
18 C 5926	RM4RT	Pkg. of 2 for 2.72	1.35	3400	Electronic	1 1/5x2 1/2"		
18 C 5927	RM4Z	Pkg. of 2 for 2.00	1.4	2400	Electronic	1 1/5x1 1/2"		
18 C 5929	RM12R	Pkg. of 2 for 2.10	1.35	3600	Electronic	5/8x1 1/4"	E12N	HG12R
18 C 5930	RM12RT	Pkg. of 2 for 2.20	1.35	3600	Electronic	5/8x1 1/4"		
18 C 5931	RM12RT2	Pkg. of 2 for 2.30	1.35	3600	Electronic	5/8x1 1/4"		
18 C 5981	RM41	Pkg. of 6 for 1.62	1.4	1005	Electronic	0.16x0.46"	E42N	HG42R
18 C 5687	RM42R	3.15 each	1.35	1400	Electronic	1 1/5x2 3/8"		
18 C 5375	RM42RT2	3.25 each	1.35	1400	Electronic	1 1/5x2 3/8"	E312	HG312
18 C 5950	RM312	Pkg. of 2 for 1.48	1.4	36	Electronic	2 3/8x1 1/8"	E401	HG401
18 C 5890	RM401	Pkg. of 2 for 1.00	1.4	800	Electronic	2 3/8x1 1/8"	E401N	HG401R
18 C 5967	RM401R	Pkg. of 2 for 1.20	1.35	800	Electronic	2 3/8x1 1/8"	E401N	HG401R
18 C 5953	RM412	Pkg. of 2 for 5.52	22.4	160	Electronic	1x1 1/2x1 1/2"		
18 C 5954	RM413	Pkg. of 2 for 6.52	28.0	160	Electronic	1x1 1/2x2 1/2"		
18 C 5955	RM415	Pkg. of 2 for 10.20	42.0	160	Electronic	1x1 1/2x3 1/2"		
18 C 5957	RM502R	Pkg. of 2 for 1.74	1.35	2400	Electronic	1 1/2x1 1/2"	E502	HG502R
18 C 5969	RM625	Pkg. of 2 for .84	1.4	250	Electronic	5/8x1 1/4"	E625	HG625
18 C 5961	RM625R	Pkg. of 2 for 1.06	1.35	250	Electronic	5/8x1 1/4"	E625R	HG625R
18 C 5959	RM625RT2	Pkg. of 2 for 1.26	1.35	250	Electronic	5/8x1 1/4"		
18 C 5892	RM640	Pkg. of 2 for .84	1.4	500	Electronic	5/8x7/16"	E640	HG640
18 C 5971	RM640R	Pkg. of 2 for 1.06	1.35	500	Electronic	5/8x7/16"	E640N	HG640R
18 C 5899	RM675	Pkg. of 6 for 1.92	1.8	160	Electronic	2 3/8x1 3/8"	E675	HG675
18 C 5804	TR112	Pkg. of 2 for 3.14	2.8	350	Electronic	2 3/8x1 3/8"		
18 C 5977	TR133R	Pkg. of 2 for 3.44	4.05	250	Electronic	2 3/8x1 3/8"	E113	H113R
18 C 5972	TR115	Pkg. of 2 for 4.12	7.7	350	Dictating	2 3/8x1 3/8"	E115	H115
18 C 5896	TR115R	Pkg. of 2 for 4.12	6.75	250	Electronic	2 3/8x1 3/8"	E115N	H115R
18 C 5891	TR126	Pkg. of 2 for 2.64	8.4	600	Radio	3/4x2"	E126	H126
18 C 5973	TR132	Pkg. of 2 for 2.10	2.8	1000	Paging	2 3/8x1 1/8"	E132	H132R
18 C 5898	TR132R	Pkg. of 2 for 2.34	2.7	1000	Electronic	2 3/8x1 1/8"	E133	H133
18 C 5883	TR133	Pkg. of 2 for 2.64	4.2	1000	Radio/Pag.	2 3/8x2"	E1133N	H133R
18 C 5932	TR133R	Pkg. of 2 for 2.70	4.05	1000	Radio/Pag.	2 3/8x2"		
18 C 5933	TR134R	Pkg. of 2 for 3.44	5.4	1000	Electronic	2 3/8x2 3/8"	E134N	H134R
18 C 5934	TR135R	Pkg. of 2 for 4.00	7.5	1000	Electronic	2 3/8x3 1/4"	E135N	H135R
18 C 5978	TR136	Pkg. of 2 for 4.54	8.4	1000	Electronic	2 3/8x2 3/8"	E136	H136
18 C 5985	TR136R	Pkg. of 2 for 4.80	8.1	1000	Electronic	2 3/8x2 3/8"	E136N	H136R
18 C 5985	TR137R	Pkg. of 2 for 5.52	9.45	1000	Electronic	2 3/8x4 3/8"	E137R	H137R
18 C 5884	TR146X	Pkg. of 2 for 2.64	8.4	585	Radio	1x2 1/2x1 3/32"	E146	H146
18 C 5986	TR152	Pkg. of 2 for 1.74	2.8	350	Electronic	1 3/8x1 1/8"	E152	H152
18 C 5940	TR163	Pkg. of 2 for 2.62	4.2	500	TV Tuner	2 3/8x1 3/8"	E163	H163
18 C 5885	TR164	Pkg. of 2 for 2.64	5.6	500	Electronic	2 3/8x1 3/8"	E164	H164
18 C 5988	TR164R	Pkg. of 2 for 3.14	5.4	500	Electronic	2 3/8x1 3/8"	E164N	H164R
18 C 5941	TR165	Pkg. of 2 for 3.40	5.0	500	TV Tuner	2 3/8x2 3/8"	E165	H165
18 C 5812	TR165R	Pkg. of 2 for 3.80	6.75	500	Electronic	2 3/8x2 3/8"	E169	H169
18 C 5942	TR169	Pkg. of 2 for 7.00	12.6	500	Electronic	2 3/8x3 7/8"	E177	H177
18 C 5897	TR177	Pkg. of 2 for 2.64	9.8	160	Radio	3 5/8x1 2 3/32"	E233	H233
18 C 5888	TR233	Pkg. of 2 for 4.68	4.2	2200	Radio	1 1/4x1 1/32"		
18 C 5360	TR244R	3.15 each	5.6	2200	Electronic	1 1/4x1 3/32"	E234	H234
18 C 5943	TR235R	Pkg. of 2 for 7.34	6.75	2200	Electronic	1 1/4x2 1/32"	E235N	H235N
18 C 5991	TR236R	Pkg. of 2 for 8.30	8.1	2200	Electronic	1 1/4x3 1/8"	E236N	H236N
18 C 5889	TR286	Pkg. of 2 for 2.70	8.4	750	Radio	1 1/4x3 7/32"	E286	H286
18 C 5944	TR289	Pkg. of 2 for 5.40	12.6	750	CB Radio	1 1/2x2 3/32"	HG9	
18 C 5813	TR431	Pkg. of 2 for 5.40	10.7	1000	Dictation	1x2 7/8"		
18 C 5881	ZM9	Pkg. of 2 for 1.28	1.4	2400	Radio	1 1/2x3 1/2"	E9	HG9
18 C 5814	ZM12	1.05 each	1.4	3600	Clock	5/8x2"		

## LOW-COST RECHARGEABLE ALKALINE BATTERIES (†Rechargeable Capacity, mAh)

18 C 5815	SA13D	1.00 each	1.5	2000†	Electronic	1.3x2.367"		
18 C 5816	SA1C	.81 each	1.5	1000†	Electronic	1.01x1.94"		
18 C 5817	SA15AA	.52 each	1.5	300†	Electronic	0.55x1.94"		

## ALKALINE DURACELL BATTERIES (†Rechargeable Capacity, mAh)

18 C 5128	MN1300B	.60 each	1.5	10,000†	All-Purpose "D"	D		
18 C 5130	MN1400B	.44 each	1.5	5000†	All-Purpose "C"	C		
18 C 5131	MN1500B	Pkg. of 2 for .66	1.5	1800†	All-Purpose "AA"	AA		
18 C 5132	MN1604B	.85 each	9.0	190†	Transistor Radio			
18 C 5133	MN2400B	Pkg. of 2 for .66	1.5	750†	All-Purpose "AAA"	AAA		
18 C 5134	MN9100B	Pkg. of 2 for .54	1.5	580†	All-Purpose "N"	N		



TR146X



TR133



ZM9



RM412



RM640



RM625



MN1300



SA13D

**NEW**

## GENERAL ELECTRIC PERMACELL NICKEL-CADMIUM BATTERY SYSTEM

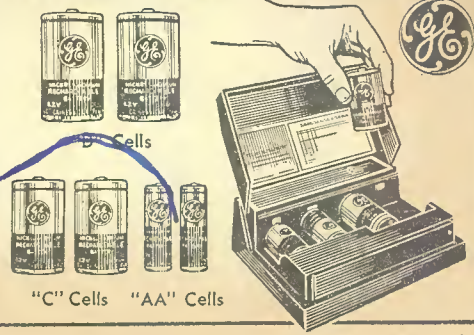
### RECHARGEABLE NICKEL-CADMIUM BATTERIES

Eliminate constant replacing of dead or weak batteries in toys, tape recorders, transistor radios, flash equipment, other electronic devices. Recharge up to 1000 times or more with BC-1 Battery Charger below (not recommended for other chargers). Rugged, sealed construction, uniform power output. Available in popular sizes: AA, C, or D.

Stock No.	Mfr's Type	Volts	Ampere Hours	Size	PRICE
18 C 5237	GC-3	1.2	1.0	D	Pkg. of 2 for 2.79
18 C 5236	GC-2	1.2	1.0	C	Pkg. of 2 for 2.79
18 C 5235	GC-1	1.2	1.0	AA	Pkg. of 2 for 2.49

### MODEL BC-1 BATTERY CHARGER

Charges 2 or 4 of the above (same-size) batteries, or any two pairs simultaneously. Brings batteries to peak performance in 15 hours. Automatic operation. Positive terminals, spring loaded. 7/8x5 1/2x2 1/2". 110-120 VAC. 18 C 5238. Shpg. wt., 3 lbs. .... 7.49



"C" Cells "AA" Cells

Depend on Allied to Supply You with All the Batteries You Need







# Eveready Reliable Long-Life Batteries

## ALKALINE ENERGIZER BATTERIES

Ideal for devices that are in continuous operation for long periods. Deliver higher amperage with constant output for as much as ten times longer than standard batteries. Provide lowest operating costs in high drain applications. Operate over wide range of temperatures. Use in portable TV sets, flashguns, electric toys, games, etc. \*Indicates rechargeable. Sizes: E90—"N"; E91—"AA"; E92—"AAA"; E93—"C"; E95—"D". Av. shpg. wt., 10 oz.



Stock No.	Mfr's Type	V	Size	REPLACES	
				PRICE	Mallory Burgess
18 C 5440	E90	1 1/2	1 1/2 dia. x 1 1/8"	Pkg. of 2/54	Mn1900 AL-N
18 C 5426	E91BP	1 1/2	3/8 dia. x 1 1/2"	Pkg. of 4/1.31	Mn1500 AL-9
18 C 5348	E92	1 1/2	1 1/2 dia. x 1 1/4"	.33 ea.	Mn2400 AL-7
18 C 5347	E93BP	1 1/2	1 1/2 dia. x 1 1/16"	Pkg. of 2/86	Mn1400 AL-1
18 C 5993	E94	1 1/2	1 1/2 x 1 1/2"	.39 ea.	.....
18 C 5346	E95BP	1 1/2	1 1/2 dia. x 2 1/2"	Pkg. of 2/1.18	Mn1300 AL-2
18 C 5856	E177	0	3/8 dia. x 1 25/32"	1.25 ea.	TR-177 H-177
18 C 5996	523	4 1/2	3/8 dia. x 1 13/16"	.92 ea.	PX-21 AL-133
18 C 5997	531	4 1/2	3/8 dia. x 2 1/8"	.82 ea.	PX-19
18 C 5857	5560	7 1/2	2 1/2 x 1 1/2 x 7 5/8"	4.62 ea.	.....
18 C 5858	5561	15	8 5/8 x 2 1/2 x 5 7/8"	10.62 ea.	.....
18 C 5859	5563	4 1/2	1 23/64 dia. x 7 5/8"	2.76 ea.	.....
18 C 5043	5564	4	8 5/8 x 2 1/2 x 5 7/8"	9.94 ea.	.....
18 C 5848	596	1 1/2	8 1/8 x 2 1/8 x 5 7/8"	1.20 ea.	.....

## LONG-LIFE TRANSISTOR BATTERIES



Specially manufactured to provide distortion-free tonal quality and steady full-charge power. Fit most transistor radios, many flashlights, etc. \*Indicates flat contacts (206 has recessed negative); †regular snap-type contacts; ‡miniature snap-type contacts. No. 222BP is a premium long-life battery, similar to 216, but higher quality. Av. shpg. wt., 4 oz.

Stock No.	Mfr's Type	Volts	Size	REPLACES		PRICE
				Burgess	PRICE	
18 C 5150	206BP*	9	2 3/4"	L6	.63	
18 C 5152	216BP†	9	1 1/2 x 1 1/2 x 2 3/8"	2U6	.69	
18 C 5153	222BP†	9	1 1/2 x 1 1/2 x 2 3/8"	2M6	.65	
18 C 5154	246†	9	1 x 1 1/8"	P6	.69	
18 C 5155	266†	9	1 1/2 x 1 1/2 x 2 3/8"	2N6	1.30	
18 C 5156	276†	9	1 1/2 x 1 1/2 x 2 3/8"	M6	1.36	
18 C 5157	333BP*	4 1/2	2 1/2 x 1 1/2"	D6	1.36	
18 C 5158	1015BP	1 1/2	3/8 x 1 1/2"	.....	4.69	
18 C 5159	1035BP*	1 1/2	1 1/2 x 1 1/2"	930	2.39	
18 C 5160	1050BP*	1 1/2	1 1/2 x 2 1/2"	230	2.39	

## PHOTOFLASH BATTERIES

Provide high peak current for proper synchronization of solenoid shutter and bulb. Type 467 is for slave units. Types 460K, 482, 489, 490, 491, 492, 493, 497, and 726 are for electronic repeating flash. Types 411, 413, 504, and 505 are for B-C units. Types 815, 835, and 850 are cylindrical cells for high initial current discharge. Sizes: Type 815—"AA"; Type 835—"C"; Type 850—"D". Av. shpg. wt., 10 oz.



Stock No.	Mfr's Type	Volts	Size	Shpg. Wt.	PRICE	REPLACES	
						Burgess	PRICE
18 C 5608	411	15	1 1/2 x 5/8 x 1 29/32"	2 oz.	.81 ea.	U10	.....
18 C 5610	413	30	1 1/2 x 5/8 x 2 1/4"	2 oz.	1.23 ea.	U20	.....
18 C 5604	457	67 1/2	2 1/8 x 1 3/8 x 2 1/4"	3/4 lb.	2.70 ea.	X45	.....
18 C 5272	460K	45	1 5/8 x 1 3/8 x 2 1/2"	1 lb.	1.97 ea.	47P	.....
18 C 5614	467	67 1/2	2 1/8 x 1 3/8 x 3/8"	3/4 lb.	2.70 ea.	XX45	.....
18 C 5605	482	45	3 1/2 x 1 1/2 x 5 1/2"	2 lbs.	2.97 ea.	M30	.....
18 C 5613	489	225	4 1/2 x 2 1/2 x 6 1/4"	2 1/2 lbs.	6.96 ea.	XX150	.....
18 C 5607	490	90	3 3/4 x 1 3/8 x 3 3/8"	1 lb.	3.15 ea.	V60	.....
18 C 5609	491	240	2 1/2 x 1 1/2 x 4 1/2"	3/4 lb.	5.56 ea.	U160	.....
18 C 5606	492	225	3 9/16 x 2 29/32 x 4 29/32"	2 1/2 lbs.	7.65 ea.	N150	.....
18 C 5611	493	300	2 1/8 x 2 1/2 x 3 29/32"	1 lb.	8.37 ea.	U200	.....
18 C 5612	497	510	3 x 1 1/2 x 5 3/8"	1 1/2 lbs.	11.16 ea.	U320	.....
18 C 5615	504	15	5/8 x 1 3/8 x 1 1/8"	1 oz.	.81 ea.	Y10	.....
18 C 5616	505	22 1/2	5/8 x 1 1/2 x 1 6 3/8"	1 oz.	1.05 ea.	V15	.....
18 C 5603	726	4 1/2	4 3/8 x 1 7/8 x 2 1/8"	3/4 lb.	1.23 ea.	D3	.....
18 C 5161	812BP	1 1/2	1 3/8 x 1 3/4"	.....	2.33	.....	.....
18 C 5602	815BP	1 1/2	3/8 dia. x 1 1/2"	1/2 lb.	Pkg. of 2/33	920	.....
18 C 5600	835BP	1 1/2	1 1/2 dia. x 1 1/8"	1/2 lb.	Pkg. of 2/39	120	.....
18 C 5349	850	1 1/2	1 1/2 dia. x 2 1/2"	3/4 lb.	.19 ea.	220	.....

## 1 1/2-V NICKEL-CADMIUM BATTERIES

For long-life and outstanding durability. Nickel-cadmium are true storage (secondary) batteries. Can be recharged many times to give long, economical life. Not adversely affected by long storage, either charged or discharged. All have pressure contacts except suffix "T" which indicates soldered lug terminals. All are sealed in steel. Sizes: Type N46—"AA"; Type N54—"C"; Type N57—"D". 110-hour discharge rate in ampere hours. B in Type No. indicates button cell; C, cylindrical. Wt., 3 oz.



Stock No.	Mfr's Type		Size	H	AH	REPLACES	EACH
	New	Old					
18 C 5617	B20	N22	2 9/16 x 1 1/2"	.2	.2	CD1	1.05
18 C 5618	B50	N24	3 9/16 x 1 3/4"	.5	.5	CD2	.70
18 C 5627	B100	N26	6 3/8 x 1 3/4"	1.0	1.0	CD8	.77
18 C 5628	B100T	N26T	6 3/8 x 1 3/4"	1.0	1.0	CD8L	.90
18 C 5619	B150	N28	6 3/8 x 1 3/4"	1.5	1.5	CD3	.80
18 C 5622	B150T	N28T	6 3/8 x 1 3/4"	1.5	1.5	CD3L	.93
18 C 5623	B225	N32	6 3/8 x 1 1/2"	2.25	2.25	CD4	.83
18 C 5624	B225T	N32T	6 3/8 x 1 1/2"	2.25	2.25	CD4L	.97
18 C 5031	BH225	N33	1 x 2 3/8"	2.25	.....	.....	.97
18 C 5625	B450	N36	1 4 3/8 x 1 3/4"	4.5	4.5	CD5	1.47
18 C 5626	B450T	N36T	1 7/16 x 2 1/4"	4.5	4.5	CD5L	1.60
18 C 5032	BH500	N38	1 13/16 x 2 3/8"	5.0	5.0	.....	1.70
18 C 5636	CH500	N46	3 1/8 x 1 1/8"	5.0	5.0	CD6	2.10
18 C 5630	CH50T	N45T	3 1/8 x 2 3/8"	4.5	4.5	CD6L	2.10
18 C 5633	C900	N52	5 5/8 x 3 1/8"	9.0	9.0	CD9	3.17
18 C 5637	CH750T	N53T	7/8 x 1 3/8"	7.5	7.5	CD12	2.21
18 C 5162	CH1.5	N54	1.031 x 1.969"	1.5	1.5	.....	4.06
18 C 5631	C2	N56	1 1/8 x 2 3/8"	2.0	2.0	CD7	4.06
18 C 5632	C2T	N56T	1 1/8 x 2 3/8"	2.0	2.0	CD7L	4.19
18 C 5634	CH4	N57	1 1/8 x 2 3/8"	4.0	4.0	CD10	5.69
18 C 5635	CH4T	N57T	1 1/8 x 2 3/8"	4.0	4.0	CD10L	5.82
18 C 5163	N63	N63	2.81 x 2.81 x .32"	5.0	.....	.....	26.60

Be Sure to Include Your ZIP Code on Order Blank

## TOP-QUALITY ZINC CARBON FLASHLIGHT BATTERIES

Long-life zinc carbon batteries, sealed to provide protection in handling and against corrosive leakage. Designed to give maximum service in all popular size flashlights. Type 935 (size "C") is for baby tubular flashlights. Types 950 and 1150 (size "D") are for standard flashlights. Type 1150 is a heavy-duty battery, for extra-long life. Type 915 (size "AA") fits standard penlights; Type 912 (size "AAA") fits slim penlights. Type 904 is for miniature and novelty lights. Shpg. wt., 10 oz. per pkg.



Stock No.	Mfr's Type	PRICE	Size (L x Dia.)	REPLACES	
				Burgess	Ray-O-Vac
18 C 5082	904	Pkg. of 6 for .48	1 1/2 x 1 1/2"	N	716
18 C 5080	912	Pkg. of 2 for .26	1 3/8 x 1 3/8"	7	400
18 C 5083	915BP	Pkg. of 2 for .27	1 3/8 x 1 3/8"	Z	7R
18 C 5078	935	Pkg. of 2 for .33	1 1/8 x 3/4"	1	1LP
18 C 5079	950	Pkg. of 4 for .65	2 3/8 x 1 1/4"	2	2LP
18 C 5081	1150	Pkg. of 4 for .67	2 3/8 x 1 1/4"	210	3LP

## LANTERN BATTERIES

Specially designed for use with railroad-type lanterns. Type 509 has positive coil-spring contacts. Others have binding posts. Type 732 features pressurized construction for underwater use. All are 6-volt batteries, except Type 732, which is 12-volt.



Stock No.	Mfr's Type	EACH	Size	Wt., Lbs.	REPLACES	
					Burgess	Ray-O-Vac
18 C 5084	509	.92	2 5/8 x 2 3/8 x 4 3/8"	1 1/2	F4M	941
18 C 5085	510S	.92	2 5/8 x 2 3/8 x 4 1/2"	1 1/2	F4BP	941SC
18 C 5086	510F	.92	2 5/8 x 2 3/8 x 4 1/2"	1 1/2	F4SC	941C
18 C 5087	731	1.96	5 3/8 x 2 7/8 x 4 1/8"	3 1/4	TW1	918
18 C 5088	732	1.96	5 3/8 x 2 7/8 x 4 1/8"	3 1/4	TW1S	.....

## HEARING AID AND WATCH BATTERIES

Button-type batteries for hearing aids, small electric watches and as accurate reference voltage sources. Provide higher voltage and greater milliwatt-hour ratings. All are 1 1/2 volts. Av. shpg. wt., 3 oz.



Stock No.	Mfr's Type	Ht. x Dia.	mW Hour	PKG. OF 6
18 C 5344	S41	.455x.165"	105	1.80
18 C 5345	S76	.455x.200"	165	1.98


## EVEREADY BATTERY MANUAL

New revised edition answers every conceivable question concerning each Eveready battery in production. Numerous charts, graphs, and tables. Dimensions, drain data, weights. Over 500 pages. 5 1/2" x 8 1/2". Shpg. wt., 1 1/2 lbs. 23 C 7200 E.....6.00






# Lanterns, Lights and Batteries




**ASH FLASH**  
\$4.50  
less battery




\$3.95 With Batteries

**SEALED BEAM WATERPROOF**



**BURGESS**  
\$9.95  
less battery



\$12.45  
less battery


**PANTHER-LITE SAFARI-LITE**

**SEALED BEAM SEARCHLIGHT WITH BLINKER.** Ideal choice for motorists, home owners, campers and sportsmen. Superbright G.E. sealed beam has as much power as an auto headlight. Chrome head, adjusts in full 180° arc. Automatic warning blinker on swinging foldaway arm. Comfortable contoured grip, rugged plastic lens housing. Uses G.E. #4546 sealed beam (included). Requires #731 battery, see page 305. Size, 7¼x6½x4¾". Japan.  
18 C 5145. Shpg. wt., 2 lbs. .... 4.50

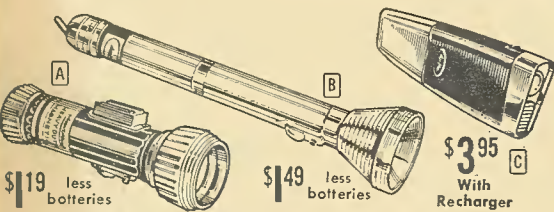
**FLOATING HIGH-INTENSITY LANTERN.** Provides a full nine-volts of power for long-range penetrating beam. Has two waterproof switches, sealed beam reflector, built-in automatic blinker. Slender, space-age styling for long, easy use; compact storage. Unbreakable plastic case, white circular lens guard. Complete with 6 "D" batteries. 10½x4¼x4¾". Shpg. wt., 2¼ lbs. Japan.  
18 C 5146. .... 3.95

**PANTHER-LITE SEALED BEAM LANTERN.** 40,000 cp sealed beam, light-weight Cyclocac® construction. Red alert flasher with switch in handle. Contoured grip. Requires TW1 battery, order below.  
18 C 5169. Shpg. wt., 2¼ lbs. .... 9.95  
18 C 5170. TW1 Lantern Battery. (Use 1.) Shpg. wt., 3¼ lbs. .... 1.96

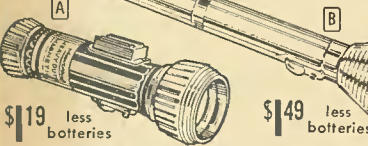
**SAFARI-LITE FLUORESCENT PORTABLE LIGHT.** Operates on batteries or 117 VAC. Use two Z46 batteries, order below.  
18 C 5148. Shpg. wt., 4¼ lbs. .... 12.45  
18 C 5143. Z46 Batteries. (Use 2.) Wt., 6¼ lbs. Pkg. of 2 for 5.86




**BURGESS DRY BATTERIES**  
Long-life batteries for radio and hobby uses. Made to high standards and fully inspected to insure quality. Type numbers ending with letters "PI" indicate plug-in type terminals; type numbers ending with "SC" have spring clip terminals; "BP" have binding post terminals.



\$19 less batteries



\$1.49 less batteries



\$3.95 With Recharger

**A HEAVY-DUTY MAGNET FLASHLIGHT.** For workshop, garage, other rugged uses. Celanese fortiflex; acid resistant, dent-proof, non-slip grip. Unbreakable lens. Black case, oversize cushion lens guard. End cap and magnet housing in matching red. Use 2 "D" batteries (order from page 305). 8x2½" diameter. Wt., 8 oz. Japan.  
18 C 5147. .... 1.19

**B STREAMLINER FLASHLIGHT.** Powerful five-cell flashlight with searchlight head. Spare bulb compartment in lens cap. Chrome on steel. Takes 5 "D" cells (order from page 305). 14¾" long.  
18 C 5168. Shpg. wt., 1 lb. Japan. .... 1.49

**C RECHARGEABLE FLASHLIGHT.** Quality rechargeable flashlight featuring slim design for pocket, purse or travel bag. Has two long-lasting nickel-cadmium power cells. Recharges easily, just plug into any 110-130 V, 60 Hz AC outlet. Special magnifying lens provides brilliant light. Attractive two-tone blue and ivory, rugged plastic case. Shipped fully charged. 5½x2½x1½". Shpg. wt., 8 oz.  
18 C 5149. Japan. .... 3.95

**"A" BATTERIES**

Stock No.	Mfr's Type	EACH	Volts	Size	Wt., Lbs.
18 C 5051	2D	1.21	1½	29½x19½x23½"	¼
18 C 5001	2F	1.22	2	21½x21½x4¼"	¼
18 C 5010	2F2H	1.75	3	29½x29½x4¼"	1½
18 C 5033	2F2BP	5.35	6	59½x19½x43½"	1½
18 C 5002		2.87	3	4x21½x57½"	2½
18 C 5030	2FH	.79	1½	29½x11½x24½"	¼
18 C 5585	2Z2P	1.90	1½	15x21½x21½"	¼
18 C 5003	4F	1.15	1½	25½x25½x4½"	1½
18 C 5115	4FH	.84	1½	29½x29½x4"	1½
18 C 5034	4Z2	.79	3	11½x29½x23½"	¼
18 C 5026	432	2.90	4½	13½x21½x21½"	¼
18 C 5091	532	1.36	4½	21½x21½x23½"	¼
18 C 5595	6F	2.69	1½	43½x22¼x4½"	2
18 C 5004	8F	2.76	1½	39½x24½x5½"	3¼
18 C 5046	8R	1.85	1½	39½x13½" dia.	¼
18 C 5047	910	1.13	3	35½x13½" dia.	¼
18 C 5011	F2BP	1.23	6	49½x29½x43½"	1
18 C 5009	F4BP	.92	6	29½x29½x4"	1½
18 C 5007	F4PI	1.15	6	29½x29½x4½"	1½
18 C 5008	G3	3.18	4½	41½x21½x21½"	¼

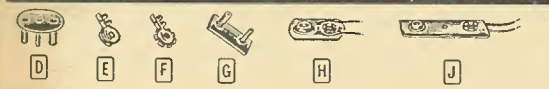
**"B" BATTERIES**

Stock No.	Mfr's Type	EACH	Volts	Size	Wt., Lbs.
18 C 5557	10308SC	7.30	45	8½x4½x27½"	12
18 C 5555	21308SC	7.50	45	8½x4½x27½"	13
18 C 5558	2308SC	7.10	45	8½x4½x27½"	7½
18 C 5550	4156	1.61	22½	31½x21½x23½"	1
18 C 5561	5156PI	4.16	22½	49½x29½x29½"	13¼
18 C 5562	5156SC	4.16	22½	49½x29½x29½"	13¼
18 C 5563	5308	3.05	45	49½x29½x51½"	2½
18 C 5572	Z30	4.95	45	32½x49½x51½"	1½
18 C 5567	W30BPX	6.05	45	3x1¼x32½"	¾
18 C 5569	Z30NX	2.69	45	31½x21½x41½"	1½
18 C 5772	V45	2.77	67½	2¼x11½x33¾"	1
18 C 5597	V60	3.15	90	3¾x21½x34¾"	1
18 C 5598	Z60BP	17.50	90	3¾x21½x34¾"	2½

**"C" BATTERIES**

Stock No.	Mfr's Type	EACH	Volts	Size	Wt., Lbs.
18 C 5583	2370	2.10	4½	31½x13½x27½"	¾
18 C 5584	5360	1.23	4½	21½x21½x22½"	¼
18 C 5564	5540	1.60	7½	47½x23½"	½
18 C 5568	W5BP	5.80	7½	29½x29½x21¾"	¼

## CINCH-JONES BATTERY PLUGS



Quality plugs for "A", "B" and various other battery types. Manufactured to high standards for dependable long-term service. Av. shpg. wt. per package, 1 oz. 2 per package.

Stock No.	Type	Fig.	For Burgess Battery	For Eveready	PKG. OF 2
18 C 5178	5A1	D	2F, 4F, 6F, 8F, 2D, 8R	720, 960P	.16
18 C 5180	5A5	D	B5, C5, J5	717	.23
18 C 5179	5B1A	D	XX15, XX22, XX30P1	425P, 433P	.16
18 C 5310	5B2-1	D	A30, B30, M30, W30P1, Z30, 10308P1	W-359	.19
18 C 5181	5AB2	D	2TX X40		.16
18 C 5177	5AB1-1	E	6TA60, 4TZ60	729, W369	.23
18 C 5301	5M1	E	P6, D5, P6M, M6	226, 707,	
18 C 5302	5F	F	XX45, XX30, XX50, K45, P45, P45M, P60, D6, 4D4, N60X, C6X	467, 266, 455, 477, 457, 437, 495	.11
18 C 5175	5A4	G	2F4, F4P1, XX15, XX22, XX30P1		.16
18 C 5184	5D	H	U30, 2U6, 2N6, UX45	415, 216, E146	1.39
18 C 5307	5D1	J	XX50, P45, P45M, P60, N60X, C6X	477, 479	1.01
18 C 5309	5MFA	J	XX45, XX30, K45	457	.83

Allied keeps in stock and ready for immediate shipment a wide variety of high-quality batteries. If you need a battery that is not listed, Allied will supply it for you. Simply write for information.

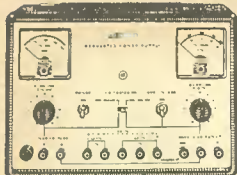
## KEYSTONE BATTERY HOLDERS

For transistor assemblies, radios, meters, etc. Snap-clips, moistureproof fiber washers, mtg. holes and aluminum alloy, nickel-plated eyelets. \*End to end. Wt., 3 oz.

Stock No.	Mfr's Type	Holds	Burgess	Mallory	Eveready	PKG. OF 2
18 C 5900	104	1		RM3R	E3	.76
18 C 5901	139	1		RM12R,	E133, E502,	.46
18 C 5902	140	1		TR133R,	915, 1015E,	.76
18 C 5903	171	3	Z, 9R, Y15	RM502R,	505,	.98
18 C 5904	182	4		ZM-9,		1.28
18 C 5906	173	1				.60
18 C 5907	174	2	1	TR233R	E233, 635	.60
18 C 5908	185	2	*			.90
18 C 5909	137	1	7			.46
18 C 5910	138	2			912	.46
18 C 5911	132	1	H-163	TR132R,	E132	.60
18 C 5912	175	1		TR115R,	D99, A-100	.60
18 C 5913	176	2	2, Z4	RM42R	724,	.60
18 C 5914	186	2	*		950	.76
18 C 5915	166	1	U10		411	.60
18 C 5271	203P	1	2U6	1604	216	.88



# Power Supplies, Inverters and Battery Chargers



## 1030-W TWO-OUTPUT SUPPLY

General-purpose power supply offers two independent, continuously variable regulated DC outputs, plus two unregulated filament voltages. 0-150 VDC at 2 mA and 0-400 VDC up to 150 mA. Regulated to  $\pm 0.33\%$  or 0.3V, whichever is higher, to 100 mA. Ripple, less than 3 mV rms. Filaments, 6.3 and 12.6 V at 3 amps. Voltmeter, ammeter, standby switch for instant turn-on. 13x 8 1/2 x 7". 110-120 V, 50-60 Hz AC. 21 lbs. 21 C 4491 U. \$5 Monthly..... 99.95  
21 C 4492 U. 1030-K. Kit Form... 69.95

## EICO POWER SUPPLIES

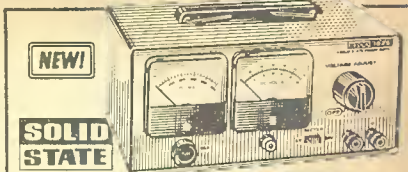


## 1020-W SOLID-STATE POWER SUPPLY

- 0-30 Volt Output
- Cascaded Filter

## SOLID STATE

Versatile, completely transistorized portable DC power and bias supply. Provides continuously variable output voltage monitored by a dual-range voltmeter (0-6, 0-30 VDC). Output: 150 mA, 0-12 volts; 200 mA, 12-24 volts; 330 mA, 24-30 volts. Ripple, only 0.005%, full load. Comprises power transformer, full-wave silicon diode rectifier circuit, 2-transistor cascaded filter circuit. 5x4x 5 1/2". 105-125 V, 60 Hz AC. 21 C 4121. 4 1/2 lbs. \$5 Monthly... 34.95  
21 C 4122. 1020-K. Kit Form... 25.95

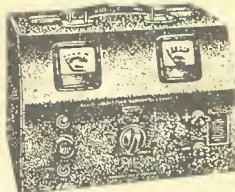


## 1025-W SOLID-STATE POWER SUPPLY

Transistorized portable DC power and bias supply. Continuously variable output voltage monitored by a dual-range voltmeter (0-6, 0-30 VDC) and a 500 mA milliammeter. Output: 150 mA, 0-12 volts; 200 mA, 12-24 volts; 300 mA, 24-30 volts. Ripple, 0.005%, full load. Comprises power transformer, full-wave silicon rectifier circuit, 2-transistor cascaded filter circuit. 3 3/4 x 8 x 4 3/4". Fused. Operates from 117 volts, 60 Hz AC. Shipp. wt., 5 lbs. 21 C 4547. \$5 Monthly..... 49.95  
21 C 4548. 1025-K. Kit Form..... 34.95

## MODEL 1060-W BATTERY-CHARGER/ELIMINATOR

Operates 6 or 12-volt equipment, including transistor types. Highly stable output. Voltages are adjusted by variable transformer. Has high-capacity electrolytic smoothing filter. Low range: 0-8 volts at 10 amps continuous, 20 amps intermittent; 1.5% ripple at 2 amps, 2% at 6 amps. High range: 0-16 volts at 6 amps continuous, 10 amps intermittent; 0.3% ripple at 2 amps, 1.5% at 10 amps. Steel case. 8 3/4 x 10 1/2 x 7 3/4". 105-125 volts, 60 Hz AC. 19 lbs. 21 C 4125 X. \$5 Monthly..... 59.95  
21 C 4126 X. 1060-K. Kit Form 45.95



- 6 or 12-Volt Output
- Variable Transformer
- Extra-Low Ripple Output

## MODEL 1064-W BATTERY-CHARGER/ELIMINATOR

Low-ripple DC necessary to service transistorized equipment. Extra-heavy-duty selenium rectifiers. L-C filter circuit boosts iron-core choke and dual 5000  $\mu$ F electrolytic capacitor. Provides two DC voltage ranges: 0-8 V at 10 amps cont., 20 amps intermit.; 0-16 V at 6 amps cont., 10 amps intermit. Ripple: 0-16 V, 1% at 6 amps; 0-8 V, 4-5% at 10 amps. Separate voltmeter and ammeter monitor voltage and current. Ammeter range automatically switches over to voltage range. 8 1/2 x 5 3/4 x 7 1/2". 105-125 V, 50-60 Hz AC. 15 lbs. 21 C 4119 X. \$5 Monthly..... 69.95  
MODEL 1064-K. As above, but in kit form. 21 C 4120 X. \$5 Monthly..... 49.95



## ELECTRO SOLID-STATE DC-TO-AC INVERTERS

**A** MOEEL TIC-620. Heavy-duty inverter/charger. Provides 5 amps at 120 volts, 60 Hz AC from 12 VDC. Square-wave output frequency-stable to 0.5 Hz. Also provides 12 VDC at 25 amps for battery charging. Has 3-position charging-rate switch and pilot light, meter, on/off switch, inverting and low-battery warning lights, two 3-contact receptacles. Protected against reversed polarity; fused. 6 5/8 x 12 x 8 7/8". With charger line-cord. 21 C 4445 U. Wt., 33 lbs. \$18 Monthly 400.00  
MOEEL TI-620. Above, less battery charger. 21 C 4444 U. Wt., 28 lbs. \$16 Monthly 320.00

MOEEL TI-100A. (Not illus.) 117 VAC at 125 W continuously from 12 VDC. AC receptacle; start, on/off switches; fuse; circuit breaker. Input cord, dash plug, instructions. 21 C 4496. Wt., 7 lbs. \$5 Monthly... 37.20

**B** MOEEL TI-250A. 117 VAC at 250 W continuously. 300 W intermittently from 12 VDC. AC receptacle; charge/overload indicator; electronic circuit breaker; start, on/off switches. 4 1/2 x 10 x 7 1/2". Mtg. brackets, 7" wire. 21 C 4447. Wt., 11 lbs. \$5 Monthly... 74.00  
21 C 4446. RC-2 REMOTE CONTROL. 4 1/4 x 2 1/4 x 2 1/4". With 8-ft. cable. 1 1/2 lbs. .... 12.50



## C DC-TO-AC INVERTERS WITH SQUARE WAVE OUTPUT



Vibrator-type inverters start instantly. Output is 115 volts, 60 Hz with excellent stability even under varying loads. High capabilities for intermittent overloads; wattage figures for intermittent use are rated for power factors from 70 to 100%. Superior filtering for excellent performance with TV, shortwave, FM receivers. Conservatively rated. Fig. C except \*without finger holes.



Stock No.	Mfr's Type	Typical Applications	Watts		Size	Wt., Lbs.	EACH	
			Input VDC	Cont. Int.				
21 C 4493	12SP2A	Shaver only, intermittent duty	12	—	20	3 7/8 x 2 7/8 x 2 3/4"	2	14.46
21 C 4413	12A4*	Test gear, dictaphones, phonos, shavers	12	40	50	6 1/4 x 4 1/8 x 3 3/8"	6	25.48
21 C 4415 X	12B8	Small recorders & TV sets, stereo amplifiers	12	80	100	8 3/4 x 7 5/8 x 3 7/8"	12	39.84
21 C 4416 X	12B10	Office machines, calculators, typewriters	12	100	125	8 1/4 x 7 5/8 x 3 7/8"	14	41.95
21 C 4417 X	12TV12	Up to 11" TV, radios, phonos, appliances	12	120	140	8 3/4 x 7 5/8 x 3 7/8"	16	42.95
21 C 4418 X	12D15	Small induction soldering guns, office machines	12	150	175	10 3/8 x 9 7/8 x 5 1/2"	26	73.00
21 C 4419 X	12D22	Multi-use: camp trailer, small tools, C.B., TV	12	220	250	10 3/8 x 9 7/8 x 5 1/2"	31	90.50
21 C 4420 X	28D15	Aircraft, marine, others using 28 VDC	28	150	175	10 3/8 x 9 7/8 x 5 1/2"	26	87.50

21 C 4431, RK-112 Remote Control. For all of above except 12SP2A, 12A4. Wt., 1 lb. .... 10.81

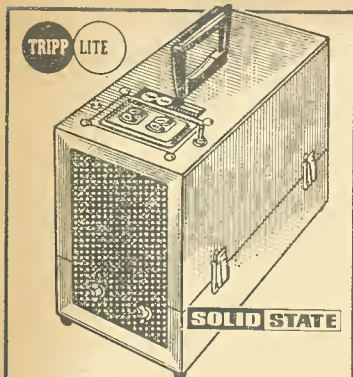
## D DC-TO-AC INVERTERS WITH REGULATED SINE-WAVE OUTPUT

Similar to above, but have added reactor and capacitors to form true sine-wave output indistinguishable from commercial power. May be used portable or permanently mounted. Automatic load regulation; extremely low hum.

21 C 4421 U	12DSW10	Like utility power; any PF load above 25%	12	100	125	10 x 9 7/8 x 5 1/2"	22	88.06
21 C 4422 U	12RSW25	SSB, large PA systems, 100-watt amplifiers	12	250	300	12 x 9 7/8 x 5 1/2"	31	117.51



# DC-to-AC Power Inverters for All Applications



TRIPP LITE

SOLID STATE

NEW!

## MODEL PV-800-FC POWER INVERTER

- 22 Transistors, Zener Diode
- Overload/Low-Battery Light

Highly stable power inverter converts 12 VDC to 117 V, 60 Hz AC with frequency accuracy of 1 Hz. Particularly suited for true reproduction of hi-fi sound. Solid-state design eliminates chattering reeds—no moving parts to wear out. Ideal for "on the spot" power for outside servicemen. Delivers 800 watts continuously, 900 watts intermittently, 1000 watts instantaneously. Silver-color corrosion-resistant case, 10x7x14". Polarity protection. Carrying handle. Note: Not intended for use with capacitor motors, heaters, refrigerators, 38 lbs. 21 C 4360 U, \$15 Monthly... 290.00

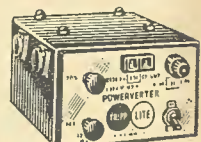
TRIPP LITE

## REGULAR HOUSE CURRENT FROM 12-V BATTERY



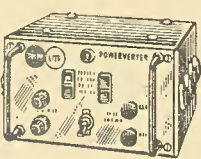
SOLID STATE

MODEL PV-150. Quality constructed 150-watt, 2-transistor, low-cost inverter brings regular AC house current to all vehicles. Converts 12 volts DC to 115 volts, 60 Hz AC. Delivers 150 watts continuously, 175 watts intermittently (5 minutes). Easily connected to any 12-VDC electrical system. Includes on-off switch plus replaceable fuse. Ruggedly constructed for shock resistance. Anodized heat sink. All metal parts painted for resistance to weather and corrosion. 3 1/2 x 5 x 5". With fuse and mounting studs. Shpg. wt., 5 1/2 lbs. 21 C 4432, \$5 Monthly... 39.95



SOLID STATE

MODEL PV-200B. Dependable 200-watt solid-state power inverter and DC power supply. Has same features as Model PV-150 left, but continuously delivers 200 watts; intermittently delivers 250 watts. In addition, has 4 power transistors and exclusive "power boost" circuit that permits higher bursts of power for heavy-duty appliances. Includes battery charger. Mounts under or on top of dashboard, or in any convenient place inside vehicle. Size, 3 1/2 x 5 x 5". With fuse and mounting studs. Wt., 6 lbs. 21 C 4433, \$5 Monthly... 49.95



SOLID STATE

## HEAVY-DUTY 450-WATT DC-TO-AC POWER INVERTER

Model PV450B

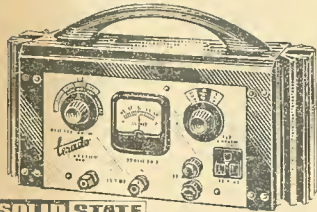
- 450-Watt Continuous-Duty Performance
- 550-Watt Instantaneous Power Surge
- Dependable Solid-State Static Design
- Utilizes B Power-Switching Transistors
- Includes Battery Charge Indicator

MODEL PV-450B. Fully transistorized to meet exacting heavy-duty requirements. Ideal for instant AC power where fast emergency service is needed. 450-watt continuous output, 500-watt intermittent (5 minutes); capable of 550-watt instantaneous power surge. Hash-free TV and AM-FM reception without interference. Built-in rack handles. With fuses. Size, 4x7x6". Shpg. wt., 13 lbs. 21 C 4355 U, \$5 Monthly... 99.50

MODEL PV-450FC. Above, but with frequency-control for constant 60-Hz AC for operating tape recorders and phonos, etc. Shpg. wt., 15 1/4 lbs. 21 C 4354 U, \$8 Monthly... 149.50

terado

## POWER INVERTERS AND BATTERY CHARGERS



SOLID STATE

### MARK I INVERTER/CHARGER

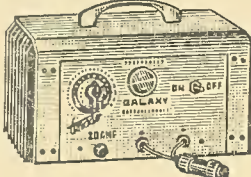
- Delivers 450-500 Watts of AC Power
- Charges Batteries at Up to 20 Amps
- Efficient Solid-State Circuit

MODEL 50-131. Now you can enjoy the luxury and convenience of using your electrical appliances anywhere. Provides full 450 to 500 watts of 117 volt AC power from any 12-volt storage battery. Lets you operate a wide variety of appliances—radios, TV, tools, shavers, lights, hi-fi sets—in car, trailer or boat.

The Mark I also charges 12-volt batteries from 117-volt AC source. Charges at 20 amp or 10-amp rate, or at a low trickle charge. Meter indicates charging rate.

Rugged solid-state circuit provides 450 watts continuously, or 500 watts intermittently. AC output receptacle on front panel. Fuse protected. Carrying handle for easy portable use. Compact, sturdy metal case, 6x12 1/2 x 6". Shpg. wt., 21 lbs. 21 C 4265 U, \$6 Monthly... 104.50

MODEL 50-132 MARK II. Same as above but rated 275 watts continuous, 300 watts intermittent. Shpg. wt., 21 lbs. 21 C 4266 U, \$5 Monthly... 89.50



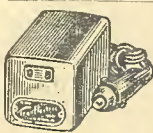
SOLID STATE

12 VDC to 117 Vac

### SOLID-STATE POWER INVERTERS

Convert 12 volts DC to 117 volts, 60 Hz AC. \*Automatic frequency control maintains output within 1/2 cycle of 60 Hz for operating tape recorders, phonos. A—10 1/4 x 6 x 6"; B—12 1/2 x 6 x 6"; C—10 3/4 x 13 x 7 1/4".

Stock No.	Mfr's Type	Capacity Cont.	Intr.	Size	Wt. Lbs.	EACH
21 C 4499	50-205	140	175	A 10 1/4		39.90
21 C 4500	50-170	125	150	A 10 1/4		32.96
21 C 4501 U	50-129	275	300	B 20		74.25
21 C 4487 U	50-175	150	175	A 21		76.67
21 C 4502 U	50-128	450	500	B 20		97.17
21 C 4383 U	50-201	*150	175	A 20		100.51
21 C 4384 U	50-200	*175	200	A 21		114.53
21 C 4382 U	50-191	*275	300	A 30		153.13
21 C 4381 U	50-202	*550	600	C 60		323.16

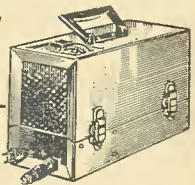


### MODEL 50-116 "SENIOR" INVERTER

- For 12-V Batteries
- 40 Watts Constant
- 50 Watts Intermittent

Plugs into 12-volt cigarette lighter on dash. Aluminum case with copper-tone baked enamel. AC plug-in receptacle on front. 2 1/4 x 2 1/2 x 4 1/2". Shpg. wt., 3 lbs. 21 C 4484... 18.47

### "TRAV-ELECTRIC" WITH BATTERY AND CHARGER



SELF CONTAINED 60-Hz AC POWER SOURCE

MODEL 50-160. A truly portable source of electricity, ready to go where and when you choose with built-in battery and charger. Inverter delivers 125 watts of AC for portable TV, hi-fi, lights, appliances. Battery can be recharged from any AC outlet, or from auto cigarette lighter while enroute. One charge runs portable TV 3 to 4 hours.

"Trav-Electric" comes complete with storage battery, inverter, charger, easy-to-read battery condition meter and heavy copper-clad steel carrying case. Size, 12x5 1/2 x 8". Supplies 125 watts continuously, 175 watts intermittent. Shpg. wt., 30 lbs. 21 C 4503 U, \$5 Monthly... 63.40



### "SUPREME" DC-AC INVERTER

- Remote Control
- Variable Output
- Signal Light
- Frequency Filter

MODEL 50-153. For 12-volt DC only. 175 watts constant, 200 watts intermittent. Copper-clad ventilated steel case. With battery cables. Filtered for tape recorders. 10 3/4 x 6 x 6". Shpg. wt., 25 lbs. 21 C 4488 U, \$5 Monthly... 84.07



# Allied's Semiconductor and Integrated Circuit Directory

## KEY TO NAMES OF MANUFACTURERS

Dept. No.	Mfr.	Name
49 C 1	RCA	Radio Corp. of America
49 C 3	GE	General Electric
49 C 12	SYL	Sylvania
49 C 24	IR	International Rectifier
49 C 26	MOT	Motorola
49 C 30	SPR	Sprague
49 C 31	ST	Sarkes Torzion
49 C 32	TI	Texas Instruments
49 C 33	TRW	Pacific Semiconductors (Thompson Ramo Woolridge)

## WORLD'S LARGEST SUPPLIER OF SEMICONDUCTORS

- Over 8000 Types of Semiconductors in Stock
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Semiconductors listed on these pages are the most popular types stocked by Allied—for a complete listing of all units stocked by Allied, ask for Directory No. 23 C 7901. It will be sent at no charge.

### HOW TO ORDER SEMICONDUCTORS

When ordering, specify Department Number, followed by Manufacturer's Type Number and Name.

For example: 49 C 12 1N21B-SYL  
designates Sylvania Type 1N21B

### HOW TO ORDER INTEGRATED CIRCUITS

When ordering, specify Department Number, followed by Manufacturer's Type Number and Name.

For example: 50 C 1 CA3000-RCA  
designates Radio Corp. of America Type CA3000

Type	Mfr.	EACH	Type	Mfr.	EACH	Type	Mfr.	EACH	Type	Mfr.	EACH
1N21B	SYL	.68	1N445B	GE	1.43	1N702	IR	1.83	1N970	IR	1.40
1N21C	SYL	1.02	1N456	SYL	.42	1N702A	IR	2.55	1N970A	IR	1.50
1N21D	SYL	2.10	1N456A	SYL	.42	1N703	IR	1.83	1N970B	MOT	2.95
1N21E	SYL	7.15	1N457	SYL	.45	1N703A	IR	2.55	1N821	MOT	2.75
1N21WE	SYL	4.35	1N457A	SYL	.45	1N704	IR	1.83	1N821A	MOT	3.05
1N23B	SYL	.67	1N458	SYL	.48	1N704A	IR	2.55	1N823	MOT	3.60
1N23C	SYL	1.02	1N458A	SYL	.48	1N705	IR	1.83	1N823A	MOT	3.90
1N23D	SYL	2.10	1N459	SYL	.51	1N705A	IR	2.55	1N825	MOT	5.80
1N23F	SYL	7.15	1N459A	SYL	.51	1N706	IR	1.83	1N830A	SYL	3.85
1N23WE	SYL	4.35	1N461	SYL	.42	1N706A	IR	2.55	1N831	SYL	6.85
1N25	SYL	3.53	1N461A	SYL	.42	1N707	IR	1.83	1N914	GE	.35
1N26	SYL	6.50	1N462	SYL	.44	1N707A	IR	2.55	1N914A	GE	.40
1N34A	GE	.22	1N462A	SYL	.44	1N708	IR	1.83	1N916	GE	.52
1N34A	SYL	.30	1N463	SYL	.54	1N708A	IR	2.55	1N916A	GE	.58
1N35	SYL	1.58	1N463A	SYL	.54	1N709	IR	1.83	1N916B	GE	1.07
1N38A	SYL	.49	1N464	SYL	.53	1N709A	IR	2.55	1N935	MOT	2.30
1N38B	SYL	.49	1N464A	SYL	.53	1N710	IR	1.83	1N935A	MOT	2.60
1N48	SYL	.30	1N482	SYL	.66	1N710A	TI	1.05	1N936	MOT	2.75
1N54A	SYL	.42	1N482A	SYL	.66	1N711	IR	1.83	1N936A	MOT	3.55
1N55A	SYL	.40	1N482B	SYL	.69	1N711A	IR	2.55	1N936B	MOT	4.20
1N58A	SYL	.55	1N483	SYL	.70	1N712	IR	1.83	1N937	MOT	5.35
1N60	SYL	.30	1N483A	SYL	.70	1N712A	TI	1.05	1N937A	MOT	6.15
1N63	SYL	.36	1N483B	SYL	.70	1N713	IR	1.83	1N938	MOT	6.95
1N64	SYL	.30	1N484A	SYL	.70	1N713A	IR	2.55	1N938A	MOT	7.55
1N67A	SYL	.28	1N484B	SYL	.70	1N714	TI	1.05	1N941	MOT	3.20
1N68A	SYL	.28	1N485	SYL	.90	1N714A	IR	2.55	1N941B	MOT	3.60
1N69A	SYL	.30	1N485A	SYL	.90	1N715	IR	1.83	1N942A	MOT	4.35
1N78A	SYL	5.00	1N485B	SYL	.90	1N715A	IR	2.55	1N943	MOT	6.90
1N81A	SYL	.48	1N486A	SYL	.90	1N716	TI	1.05	1N957	IR	1.40
1N82A	SYL	.82	1N486B	SYL	.90	1N718	IR	1.83	1N957A	IR	1.50
1N90	SYL	.33	1N487	SYL	1.05	1N718A	IR	2.55	1N957B	IR	1.75
1N91	GE	.90	1N487A	SYL	1.41	1N721	IR	1.83	1N957B	MOT	2.95
1N92	GE	1.95	1N488	SYL	1.17	1N721A	IR	2.55	1N958	IR	1.40
1N93	GE	2.70	1N488A	SYL	1.78	1N722	IR	1.83	1N958A	IR	1.50
1N98	SYL	.31	1N497	SYL	.39	1N722A	IR	2.55	1N958B	MOT	2.95
1N99	SYL	.50	1N498	SYL	.44	1N723	IR	1.83	1N959	IR	1.40
1N100	SYL	.32	1N500	SYL	.53	1N723A	IR	2.55	1N959A	IR	1.50
1N116	SYL	.49	1N536	GE	.45	1N726A	ST	2.25	1N959B	IR	1.75
1N118A	SYL	.23	1N537	GE	.50	1N746	TI	1.05	1N959B	MOT	2.95
1N126	SYL	.30	1N538	GE	.53	1N746A	TI	1.05	1N960	IR	1.40
1N128	SYL	.32	1N539	GE	.60	1N747	TI	1.05	1N960A	IR	1.50
1N158	GE	6.10	1N540	GE	.68	1N747A	TI	1.05	1N960B	MOT	2.95
1N191	SYL	.35	1N560	GE	1.50	1N748	TI	1.05	1N961	IR	1.40
1N192	SYL	.34	1N597	IR	6.00	1N748A	IR	1.68	1N961A	IR	1.50
1N198	SYL	.35	1N599	GE	.47	1N749	TI	1.05	1N961B	IR	1.75
1N198B	SYL	1.03	1N625	SYL	.43	1N749A	TI	1.05	1N961B	MOT	2.95
1N248B	MOT	1.50	1N626	SYL	.45	1N750	TI	1.05	1N962	IR	1.40
1N248C	MOT	1.80	1N627	SYL	.60	1N750A	TI	1.05	1N962A	IR	1.50
1N249	GE	1.73	1N628	SYL	.72	1N751	TI	1.05	1N962B	IR	1.75
1N249B	MOT	1.65	1N629	SYL	.81	1N751A	TI	1.05	1N963	IR	1.40
1N249C	MOT	1.95	1N643	TI	.98	1N752	TI	1.05	1N963A	IR	1.50
1N249RC	RCA	2.06	1N643A	SYL	1.50	1N752A	TI	1.05	1N963B	IR	1.75
1N250B	MOT	2.40	1N645	TI	1.40	1N753	TI	1.05	1N964	IR	1.40
1N250C	MOT	2.70	1N645A	GE	1.65	1N753A	TI	1.05	1N964A	IR	1.50
1N251	SYL	.65	1N646	GE	1.65	1N754	TI	1.05	1N964B	MOT	2.95
1N252	SYL	.65	1N647	GE	1.80	1N754A	TI	1.05	1N965	IR	1.40
1N270	SYL	.32	1N648	GE	1.95	1N755	TI	1.05	1N965A	IR	1.50
1N276	SYL	.31	1N649	GE	2.50	1N755A	TI	1.05	1N965B	MOT	2.95
1N277	SYL	.34	1N658	SYL	1.76	1N756	TI	1.05	1N966	IR	1.40
1N279	SYL	.29	1N659	SYL	.58	1N756A	TI	1.05	1N966A	IR	1.50
1N281	SYL	.31	1N660	TI	.65	1N757	TI	1.05	1N966B	MOT	2.95
1N283	SYL	.51	1N661	TI	.98	1N757A	TI	1.05	1N967	IR	1.40
1N294	SYL	.34	1N662	SYL	.92	1N758	TI	1.05	1N967A	IR	1.50
1N295	SYL	.35	1N663	SYL	1.20	1N758A	TI	1.05	1N967B	MOT	2.95
1N429	MOT	5.45	1N676	GE	.93	1N759	TI	1.05	1N968	IR	1.40
1N440B	GE	.66	1N677	GE	1.05	1N759A	TI	1.05	1N968A	IR	1.50
1N441B	GE	.69	1N678	GE	1.23	1N761	TI	1.05	1N968B	MOT	2.95
1N442B	GE	.79	1N682	GE	1.65	1N762	TI	1.05	1N969	IR	1.40
1N443B	GE	.98	1N689	GE	2.50	1N763	TI	1.05	1N969A	IR	1.50
1N444B	GE	1.05	1N695	SYL	.30	1N764	TI	1.05	1N969B	MOT	2.95







Type	Mfr.	EACH	Type	Mfr.	EACH	Type	Mfr.	EACH	Type	Mfr.	EACH
1N3332	IR	5.65	1N3805B	MOT	6.95	1N4149	GE	.52	2N109	RCA	.66
1N3340	IR	5.50	1N3806	MOT	3.75	1N4150	GE	2.25	2N140	RCA	1.24
1N3343	MOT	6.80	1N3806B	MOT	6.95	1N4151	GE	.75	2N169	GE	1.59
1N3344	MOT	6.80	1N3807	MOT	6.95	1N4152	GE	.67	2N169A	GE	2.42
1N3346	MOT	6.80	1N3808B	MOT	6.95	1N4153	GE	.95	2N170	GE	1.02
1N3348	MOT	6.80	1N3809B	MOT	6.95	1N4154	GE	.37	2N173	MOT	3.40
1N3349	MOT	6.80	1N3810B	MOT	6.95	1N4156	GE	.75	2N174	MOT	3.60
1N3350	MOT	6.80	1N3811B	MOT	6.95	1N4157	GE	1.04	2N174A	MOT	3.80
1N3491	MOT	.67	1N3812B	MOT	6.95	1N4305	GE	.60	2N176	MOT	1.20
1N3492	MOT	.76	1N3813B	MOT	6.95	1N4306	GE	7.00	2N178	MOT	1.10
1N3493	MOT	1.11	1N3814B	MOT	8.35	1N4370A	MOT	2.75	2N188A	GE	1.65
1N3494	MOT	1.27	1N3815B	MOT	8.35	1N4371A	MOT	2.75	2N189	GE	.78
1N3495	MOT	1.48	1N3816B	MOT	8.35	1N4372A	MOT	2.75	2N190	GE	.83
1N3563	RCA	.94	1N3817B	MOT	8.80	1N4383	SVL	.48	2N191	GE	.90
1N3569	GE	1.34	1N3818B	MOT	8.80	1N4384	SVL	.58	2N192	GE	1.59
1N3570	GE	1.62	1N3819B	MOT	8.80	1N4385	SVL	.78	2N217	RCA	.57
1N3571	GE	2.10	1N3820B	MOT	8.80	1N4444	GE	1.51	2N220	RCA	1.52
1N3572	GE	2.55	1N3821	IR	2.00	1N4446	GE	.40	2N241A	GE	.98
1N3573	GE	3.82	1N3821A	MOT	2.65	1N4447	GE	.58	2N251A	TI	1.88
1N3574	GE	5.50	1N3822	IR	2.00	1N4448	GE	.80	2N270	RCA	.76
1N3580	MOT	4.90	1N3822A	MOT	2.65	1N4449	GE	1.07	2N277	MOT	2.25
1N3580A	MOT	5.20	1N3823	IR	2.00	1N4450	GE	1.45	2N278	MOT	2.80
1N3580B	MOT	6.00	1N3823A	MOT	2.65	1N4451	GE	1.28	2N292	GE	.83
1N3581	MOT	5.55	1N3824	IR	2.00	1N4452	GE	.35	2N293	GE	.90
1N3581A	MOT	6.45	1N3824A	MOT	2.65	1N4506	GE	5.10	2N297A	MOT	1.60
1N3581B	MOT	7.75	1N4825	IR	2.00	1N4507	GE	6.90	2N319	GE	.44
1N3581C	MOT	8.95	1N3825A	MOT	2.65	1N4508	GE	9.18	2N320	GE	.59
1N3605	SVL	.72	1N3826	IR	2.00	1N4525	GE	6.45	2N321	GE	.65
1N3615	IR	1.38	1N3826A	MOT	2.65	1N4531	GE	.59	2N322	GE	.42
1N3616	IR	1.54	1N3827	IR	2.00	1N4532	GE	.78	2N323	GE	.59
1N3618	IR	3.03	1N3827A	MOT	2.65	1N4533	GE	.96	2N324	GE	.72
1N3619	IR	4.10	1N3828	IR	2.00	1N4534	GE	1.20	2N327A	TI	2.00
1N3620	IR	4.90	1N3828A	MOT	2.65	1N4536	GE	.59	2N332	TI	4.65
1N3622	IR	6.70	1N3829	MOT	2.65	1N4585	SVL	1.20	2N333	GE	4.65
1N3639	GE	7.70	1N3829A	MOT	2.65	1N4586	SVL	2.70	2N334	GE	4.65
1N3640	GE	.72	1N3830A	MOT	2.65	1N4719	MOT	.66	2N335	GE	4.95
1N3641	GE	1.05	1N3847	RCA	4.95	1N4720	MOT	.73	2N335A	GE	5.22
1N3642	GE	1.46	1N3848	RCA	4.95	1N4721	MOT	.82	2N335B	GE	9.80
1N3659	MOT	.90	1N3850	RCA	4.95	1N4722	MOT	1.12	2N336	GE	6.00
1N3660	MOT	.99	1N3851	RCA	4.95	1N4727	GE	.40	2N336A	GE	6.30
1N3661	MOT	1.33	1N3853	RCA	5.94	1N4816	IR	.25	2N337	GE	4.85
1N3662	MOT	1.48	1N3854	RCA	5.99	1N4817	IR	.30	2N338	GE	5.50
1N3663	MOT	1.70	1N3855	RCA	9.17	1N4818	IR	.35	2N338A	GE	5.80
1N3670	IR	7.80	1N3856	RCA	8.17	1N4819	IR	.40	2N350A	MOT	1.65
1N3670A	GE	7.88	1N3857	RCA	8.60	1N4820	IR	.44	2N370	RCA	1.08
1N3671A	GE	8.77	1N3859	RCA	8.17	1N4821	IR	.48	2N372	RCA	1.06
1N3672A	GE	9.45	1N3861	RCA	6.19	1N4822	IR	.55	2N375	MOT	2.20
1N3680B	MOT	4.90	1N3862	RCA	7.67	1N4829	GE	.69	2N376A	MOT	1.85
1N3681B	MOT	4.90	1N3863	RCA	9.41	1N4830	GE	.92	2N381	MOT	1.28
1N3683B	MOT	4.90	1N3987	IR	8.25	1N4863	GE	1.02	2N382	MOT	1.73
1N3684B	MOT	4.90	1N3996	MOT	5.65	1N4951	GE	.34	2N383	MOT	2.18
1N3685B	MOT	4.90	1N3996A	MOT	7.70	1N4952	GE	.38	2N388	GE	.47
1N3686B	MOT	4.90	1N3997	MOT	5.65	1N4997	MOT	.66	2N388A	RCA	.88
1N3687B	MOT	4.90	1N3997A	MOT	7.70	1N4998	MOT	.73	2N394A	GE	.60
1N3688B	MOT	4.90	1N3998	MOT	5.65	1N4999	MOT	.82	2N395	RCA	.50
1N3689B	MOT	4.90	1N3998A	MOT	7.70	1N5000	MOT	1.12	2N396	RCA	.75
1N3690B	MOT	4.90	1N3999	MOT	5.65	1N5052	IR	.78	2N396A	GE	.63
1N3691B	MOT	4.90	1N3999A	MOT	7.70	1N5053	IR	.94	2N398	RCA	.83
1N3694B	MOT	4.90	1N4000A	MOT	7.70	1N5054	IR	1.28	2N398A	RCA	.91
1N3696B	MOT	4.90	1N4001	MOT	.45	1N5059	GE	.46	2N398B	RCA	1.16
1N3712	GE	3.30	1N4002	MOT	.49	1N5060	GE	.56	2N404	RCA	.42
1N3713	GE	5.00	1N4003	MOT	.60	1N5061	GE	.75	2N404A	RCA	.55
1N3714	GE	2.90	1N4004	MOT	.67	1N5062	GE	1.12	2N405	RCA	.48
1N3715	GE	4.60	1N4005	MOT	.81	1N5221	MOT	.67	2N406	RCA	.41
1N3716	GE	2.06	1N4006	MOT	1.12	1N5222	MOT	.67	2N407	RCA	.54
1N3717	GE	3.90	1N4007	TI	1.80	1N5223	MOT	.67	2N408	RCA	.48
1N3718	GE	2.52	1N4090	GE	3.35	1N5224	MOT	.67	2N409	RCA	.55
1N3719	GE	3.90	1N4099	MOT	5.05	1N5225	MOT	.67	2N410	RCA	.48
1N3720	GE	3.34	1N4100	MOT	5.05	1N5226	MOT	.67	2N412	RCA	.53
1N3721	GE	3.90	1N4101	MOT	5.05	1N5227	MOT	.67	2N413	GE	.42
1N3754	RCA	.32	1N4102	MOT	5.05	1N5228	MOT	.67	2N414	RCA	.42
1N3755	RCA	.33	1N4103	MOT	5.05	1N5229	MOT	.67	2N428	TI	1.23
1N3756	RCA	.35	1N4104	MOT	5.05	1N5230	MOT	.67	2N441	MOT	1.26
1N3785	MOT	3.75	1N4105	MOT	5.05	1N5231	MOT	.67	2N442	MOT	1.66
1N3785B	MOT	6.95	1N4106	MOT	5.05	1N5232	MOT	.67	2N443	MOT	1.90
1N3786	MOT	3.75	1N4107	MOT	5.05	1N5233	MOT	.67	2N450	GE	2.10
1N3786B	MOT	6.95	1N4108	MOT	5.05	1N5234	MOT	.67	2N450A	TI	1.80
1N3787B	MOT	6.95	1N4109	MOT	5.05	1N5235	MOT	.67	2N450B	TI	1.80
1N3788B	MOT	6.95	1N4110	MOT	5.05	1N5236	MOT	.67	2N457A	TI	2.18
1N3789	MOT	3.75	1N4111	MOT	5.05	1N5237	MOT	.67	2N457B	TI	2.18
1N3789B	MOT	6.95	1N4112	MOT	5.05	1M5238	MOT	.67	2N458A	TI	2.63
1N3790B	MOT	6.95	1N4113	MOT	5.05	1M5239	MOT	.67	2N458B	TI	2.63
1N3791	MOT	6.95	1N4114	MOT	5.05	1N5240	MOT	.67	2N464	MOT	1.88
1N3791B	MOT	6.95	1N4115	MOT	5.05	1N5241	MOT	.67	2N465	MOT	1.88
1N3792B	MOT	6.95	1N4116	MOT	5.05	1N5242	MOT	.67	2N466	MOT	2.10
1N3793	MOT	3.75	1N4117	MOT	5.05	1N5243	MOT	.67	2N467	MOT	2.55
1N3793B	MOT	6.95	1N4118	MOT	5.05	1N5244	MOT	.67	2N489	GE	7.15
1N3794B	MOT	6.95	1N4119	MOT	5.05	1N5245	MOT	.67	2N490	GE	7.80
1N3795	MOT	3.75	1N4120	MOT	5.05	1N5246	MOT	.67	2N491	GE	8.40
1N3795B	MOT	6.95	1N4121	MOT	5.05	1N5247	MOT	.67	2N492	GE	9.90
1N3796	MOT	3.75	1N4122	MOT	5.05	1N5248	MOT	.67	2N501	SPR	6.35
1N3796B	MOT	6.95	1N4123	MOT	5.05	1N5249	MOT	.67	2N502	SPR	2.90
1N3797	MOT	3.75	1N4124	MOT	5.05	1N5250	MOT	.67	2N502	MOT	3.25
1N3797B	MOT	6.95	1N4125	MOT	5.05	1N5251	MOT	.67	2N502A	MOT	3.75
1N3798	MOT	3.75	1N4126	MOT	5.05	1N5252	MOT	.67	2N502B	MOT	4.20
1N3798B	MOT	6.95	1N4127	MOT	5.05	1N5253	MOT	.67	2N508	GE	.69
1N3799	MOT	3.75	1N4128	MOT	5.05	1N5254	MOT	.67	2N508A	GE	.81
1N3799B	MOT	6.95	1N4129	MOT	5.05	1N5255	MOT	.67	2N511	TI	4.05
1N3800	MOT	3.75	1N4130	MOT	5.05	1N5256	MOT	.67	2N511A	TI	4.73
1N3800B	MOT	6.95	1N4131	MOT	5.05	1N5257	MOT	.67	2N512	GE	.59
1N3801	MOT	3.75	1N4132	MOT	5.05	2N43	GE	4.13	2N524	GE	.80
1N3802	MOT	3.75	1N4133	MOT	5.05	2N44	GE	2.93	2N525	GE	.80
1N3802B	MOT	6.95	1N4134	MOT	5.05	2N48	GE	2.49	2N526	GE	1.00
1N3803B	MOT	6.95	1N4135	MOT	5.05	2N104	RCA	1.65	2N527	GE	1.00
1N3804B	MOT	6.95	1N4148	GE	.35	2N107	GE	.75	2N554	MOT	.60
2N555	MOT	.75	2N581	RCA	.50	2N582	RCA	.66	2N585	RCA	.99
2N581	RCA	.50	2N582	RCA	.66	2N585	RCA	.99	2N586	RCA	1.73
2N582	RCA	.66	2N585	RCA	.99	2N586	RCA	1.73	2N588	SPR	1.45
2N585	RCA	.99	2N586	RCA	1.73	2N588	SPR	1.45	2N591	RCA	.58
2N586	RCA	1.73	2N588	SPR	1.45	2N591	RCA	.58	2N618	MOT	2.45
2N588	SPR	1.45	2N591	RCA	.58	2N618	MOT	2.45	2N647	RCA	1.08
2N591	RCA	.58	2N618	MOT	2.45	2N647	RCA	1.08	2N649	RCA	.86
2N618	MOT	2.45	2N647	RCA	1.08	2N649	RCA	.86	2N650	MOT	2.03
2N647	RCA	1.08	2N649	RCA	.86	2N650	MOT	2.03	2N651	MOT	2.30
2N649	RCA	.86	2N650	MOT	2.03	2N651	MOT	2.30	2N652	MOT	



Type	Mfr. EACH	Type	Mfr. EACH	Type	Mfr. EACH	Type	Mfr. EACH	Type	Mfr. EACH
2N1166	MOT 7.55	2N1597	MOT 4.95	2N2412	TI 6.00	2N3826	TI .54	3N142	RCA 1.08
2N1167	MOT 7.55	2N1605	RCA .62	2N2475	RCA 1.62	2N3827	TI .58	4M2.4AZ5	MOT 4.00
2N1175	GE .93	2N1605A	RCA .75	2N2476	RCA 1.16	2N3854	GE .34	4M2.7AZ5	MOT 4.00
2N1175A	GE 1.35	2N1613	RCA .75	2N2501	MOT 9.30	2N3854A	GE .36	4M3.0AZ5	MOT 4.00
2N1177	RCA 1.01	2N1614	GE 2.50	2N2527	MOT 9.30	2N3855	GE .36	4M3.6AZ5	MOT 4.00
2N1178	RCA .99	2N1631	RCA .65	2N2538	MOT 5.85	2N3855A	GE .38	4M3.9AZ5	MOT 4.00
2N1179	RCA .99	2N1632	RCA .58	2N2540	MOT 5.85	2N3856	GE .38	4M4.7AZ5	MOT 4.00
2N1180	RCA .80	2N1637	RCA .57	2N2552	TI 3.00	2N3856A	GE .41	4M5.1AZ5	MOT 4.00
2N1183	RCA 1.82	2N1638	RCA .50	2N2553	TI 2.48	2N3858	GE .32	4M5.6AZ5	MOT 4.00
2N1183A	RCA 2.31	2N1639	RCA .53	2N2554	TI 1.95	2N3858A	GE .41	4M6.2AZ5	MOT 4.00
2N1183B	RCA 2.89	2N1671	GE 2.95	2N2556	TI 2.48	2N3859	GE .34	4M6.8Z5	MOT 4.00
2N1184	RCA 2.48	2N1671A	GE 3.20	2N2557	MOT 7.10	2N3859A	GE .43	4M10Z5	MOT 4.00
2N1184A	RCA 2.81	2N1671B	GE 3.55	2N2586	TI 6.00	2N3860	GE .38	4M12Z5	MOT 4.00
2N1184B	RCA 4.13	2N1694	GE .99	2N2613	RCA .55	2N3877	GE .47	4M20Z5	MOT 4.00
2N1188	MOT 4.70	2N1700	RCA 1.90	2N2614	RCA .50	2N3877A	GE .52	1MA4	IR .79
2N1191	MOT 1.40	2N1701	RCA 2.31	2N2635	TI .94	2N3900	GE .59	1ZM3.3T5	IR 1.50
2N1192	MOT 1.40	2N1702	RCA 4.54	2N2646	GE 1.05	2N3900A	GE .65	1ZM3.6T5	IR 1.50
2N1193	MOT 1.87	2N1711	RCA .94	2N2647	GE 1.89	2N3973	GE .49	1ZM3.9T5	IR 1.50
2N1194	MOT 2.03	2N1715	TI 8.25	2N2659	TI 1.65	2N3974	GE .47	1ZM4.3T5	IR 1.50
2N1195	MOT 3.95	2N1718	TI 6.75	2N2687	TI 2.25	2N3975	GE .38	1ZM4.7T5	IR 1.50
2N1204	MOT 1.65	2N1719	TI 9.00	2N2688	TI 2.50	2N3976	GE .41	1ZM5.1T5	IR 1.50
2N1273	TI .42	2N1742	GE 2.70	2N2689	TI 3.75	2N4036	RCA 1.32	1ZM5.6T5	IR 1.50
2N1274	TI .50	2N1742	SPR 2.93	2N2690	TI 6.75	2N4037	RCA 1.16	1ZM6.2T5	IR 1.50
2N1300	RCA 1.16	2N1743	SPR 2.87	2N2708	RCA 2.31	2N4054	GE 1.20	1ZM6.8T5	IR 1.20
2N1301	RCA 1.49	2N1744	SPR 2.25	2N2711	GE .29	2N4055	GE 1.06	1ZM7.5T5	IR 1.20
2N1302	RCA .42	2N1745	SPR 1.80	2N2712	GE .34	2N4056	GE .95	1ZM8.2T5	IR 1.20
2N1303	RCA .42	2N1748A	SPR 1.15	2N2713	GE .38	2N4057	GE .81	1ZM9.1T5	IR 1.20
2N1304	RCA .50	2N1754	SPR 1.35	2N2714	GE .41	2N4058	TI .54	1ZM11T5	IR 1.20
2N1305	RCA .48	2N1770	GE 4.05	2N2801	MOT 7.10	2N4059	TI .54	1ZM12T5	IR 1.20
2N1306	RCA .62	2N1771	GE 4.65	2N2832	MOT 4.50	2N4060	TI .55	1ZM13T5	IR 1.20
2N1307	RCA .58	2N1771A	GE 6.97	2N2861	TI 8.50	2N4061	TI .57	1ZM13T5	IR 1.20
2N1308	RCA .91	2N1772	GE 5.77	2N2865	TI 3.45	2N4062	TI .60	1ZM15T5	IR 1.20
2N1309	RCA .91	2N1773	GE 6.97	2N2869/2N301	RCA 1.52	2N4254	TI .90	2F4	ST .50
.....	.....	2N1808	TI .58	2N2870/2N301A	RCA 3.15	2N4259	RCA 1.90	5A2	IR .50
.....	.....	2N1893	RCA 1.08	2N2895	RCA 1.41	2N4296	RCA 2.48	5A4	IR .68
2N1358	MOT 4.15	2N1905	RCA 4.13	2N2897	RCA 1.16	2N4297	RCA 2.89	5A6	IR .87
2N1360	MOT 1.70	2N1906	RCA 6.60	2N2904	MOT 1.90	2N4298	RCA 2.81	5A8	IR 2.00
2N1363	MOT 3.10	2N1907	TI 7.88	2N2904A	MOT 4.90	2N4299	RCA 4.13	5A10	IR 2.45
2N1370	TI .72	2N1924	GE 1.35	2N2905	MOT 1.90	2N4390	RCA .75	5E4	IR .50
2N1371	TI 1.14	2N1925	GE 1.56	2N2906	MOT 1.90	2N4400	MOT .60	5MA4	IR .94
2N1372	TI .81	2N1926	GE 1.82	2N2907	MOT 1.90	2N4401	MOT .75	5MA6	IR 1.70
2N1373	TI 1.20	2N1930	GE 7.65	2N2923	GE .32	2N4402	MOT .60	6GC1	GE .60
2N1374	TI 1.02	2N1970	GE MOT 2.95	2N2924	GE .34	2N4403	MOT .75	6GD1	GE .60
2N1375	TI 1.38	2N1991	MOT 3.95	2N2925	GE .41	2N4409	MOT .67	6GX1	GE .60
2N1376	TI 1.29	2N1994	TI 2.33	2N2951	MOT 4.50	2N4410	MOT .96	8D4	IR .59
2N1377	TI 1.50	2N1997	TI 1.77	2N2996	TI 1.03	2N4418	TI .64	8D6	IR .67
2N1378	TI 1.29	2N1998	TI 1.88	2N2997	TI 3.48	2N4421	TI .60	10B1	IR .50
2N1379	TI 1.44	2N2000	TI 2.50	2N3053	RCA .75	2N4422	TI .60	10B4	IR .80
2N1380	TI .66	2N2001	TI 2.17	2N3054	RCA 1.16	2N4423	TI .76	10D5	IR .78
2N1381	TI .72	2N2015	RCA 9.08	2N3055	RCA 1.82	2N4441	MOT 1.20	10D10	IR 2.45
2N1382	TI .99	2N2016	RCA 9.90	2N3118	RCA 4.95	2N4442	MOT 1.50	18D2A	IR 2.38
2N1383	TI .92	2N2048	MOT 1.60	2N3119	RCA 5.36	2N4443	MOT 2.00	18D16A	IR 2.90
2N1404	TI .58	2N2048	SPR 1.80	2N3133	MOT 4.95	2N4444	MOT 4.50	18D18A	IR 5.12
2N1413	GE .69	2N2076	MOT 3.60	2N3134	MOT 4.95	2N4870	MOT .75	18DC6A	IR 2.30
2N1414	GE .69	2N2077	MOT 2.85	2N3135	MOT 4.95	2N4871	MOT .75	18DJ2A	IR 2.10
2N1415	GE .80	2N2078	MOT 1.90	2N3136	MOT 5.85	2N4890	MOT 1.12	18DJ6A	IR 2.30
2N1420	GE .65	2N2079	MOT 7.20	2N3146	TI 4.35	2N4901	MOT 2.75	18DJ10A	IR 2.60
2N1470	RCA 2.15	2N2080	MOT 5.10	2N3228	RCA 1.62	2N4902	MOT 3.30	60M	ST .85
2N1480	RCA 2.31	2N2081	MOT 3.15	2N3241A	RCA .73	2N4903	MOT 4.25	60M	ST .85
2N1481	RCA 2.48	2N2102	RCA 1.13	2N3242A	RCA .83	2N4904	MOT 3.35	61-8969	IR 2.95
2N1482	RCA 3.30	2N2107	GE 2.09	2N3248	MOT 3.90	2N4905	MOT 4.45	650C0	TI 4.85
2N1483	RCA 2.89	2N2108	GE 2.10	2N3250	MOT 3.90	2N4906	MOT 5.60	650C3	TI 4.85
2N1484	RCA 3.63	2N2139	MOT 2.25	2N3251	MOT 4.65	2N4913	MOT 2.40	651C5	TI 4.85
2N1485	RCA 4.46	2N2140	MOT 3.90	2N3283	MOT 1.50	2N4914	MOT 2.60	652C0	TI 4.85
2N1486	RCA 6.77	2N2142	MOT 2.30	2N3286	MOT .97	2N4915	MOT .75	652C5	TI 4.85
2N1487	RCA 4.54	2N2143	MOT 2.45	2N3323	MOT .90	2N4987	GE .84	40022	RCA .83
2N1488	RCA 4.95	2N2144	MOT 3.75	2N3324	MOT .82	2N4988	GE 1.23	40050	RCA .98
2N1489	RCA 7.43	2N2145	MOT 4.50	2N3325	MOT .75	2N4989	GE 1.73	40084	RCA .99
2N1490	RCA 8.25	2N2147	RCA 1.57	2N3391	GE .61	2N4990	GE .89	40108	RCA .99
2N1491	RCA 1.82	2N2148	RCA 1.08	2N3391A	GE .70	2N4991	GE .75	40108R	RCA .99
2N1493	RCA 7.01	2N2152	MOT 3.60	2N3392	GE .29	2N4992	GE 1.35	40109	RCA 1.16
2N1495	MOT 3.30	2N2153	MOT 5.50	2N3393	GE .29	2N5034	RCA 1.34	40110	RCA 1.57
2N1499A	MOT 1.60	2N2156	MOT 4.10	2N3394	GE .27	2N5035	RCA 1.32	40208	RCA .99
2N1499A	SPR 1.40	2N2157	MOT 6.35	2N3402	GE .71	2N5036	RCA 1.42	40231	RCA .47
2N1499B	SPR 1.55	2N2160	GE 1.49	2N3403	GE .43	2N5037	RCA 1.41	40232	RCA .53
2N1500	SPR 6.95	2N2188	TI 1.28	2N3404	GE .61	2N5060	MOT .77	40233	RCA .60
2N1507	TI 1.20	2N2189	TI 1.64	2N3405	GE .77	2N5061	MOT .83	40234	RCA .62
2N1524	RCA .47	2N2190	TI 1.47	2N3414	GE .36	2N5062	MOT .96	40235	RCA .49
2N1525	RCA .53	2N2191	TI 1.89	2N3415	GE .38	2N5063	MOT 1.09	40238	RCA .43
2N1526	RCA .48	2N2196	GE 4.50	2N3416	GE .56	2N5067	MOT 1.80	40239	RCA .40
2N1530	MOT 1.60	2N2197	GE 4.62	2N3417	GE .72	2N5068	MOT 2.25	40240	RCA .38
2N1532	MOT 3.00	2N2217	MOT 3.35	2N3439	RCA 3.77	2N5069	MOT 2.85	40242	RCA .57
2N1534	MOT 1.40	2N2218ML1	MOT 1.20	2N3440	MOT 1.82	2N5172	GE .21	40245	RCA .40
2N1535	MOT 1.50	2N2219	MOT 1.05	2N3528	RCA 1.62	2N5174	GE .63	40246	RCA .38
2N1537	MOT 3.90	2N2219A	MOT 5.25	2N3553	RCA 4.37	2N5175	GE .63	40250	RCA 1.16
2N1539	MOT 1.50	2N2221	MOT .75	2N3605	GE .32	2N5176	GE .72	40253	RCA .60
2N1540	MOT 1.58	2N2222	MOT 1.05	2N3606	GE .29	2N5179	RCA .65	40254	RCA .78
2N1541	MOT 1.85	2N2270	RCA .91	2N3607	GE .23	2N5180	RCA .48	40261	RCA .50
2N1542	MOT 2.35	2N2280	SPR 4.50	2N3607	GE .20	2N5181	RCA .45	40262	RCA .50
2N1544	MOT 1.65	2N2322	GE 2.25	2N3663	GE .54	2N5182	RCA .40	40263	RCA .50
2N1545	MOT 1.85	2N2322A	GE 3.24	2N3669	RCA 3.27	2N5183	RCA .32	40265	RCA .35
2N1546	MOT 2.30	2N2323	GE 2.47	2N3702	TI 1.45	2N5184	RCA .45	40266	RCA .29
2N1547	MOT 2.75	2N2323A	GE 3.60	2N3703	TI .39	2N5185	RCA .52	40267	RCA .33
2N1553	MOT 1.85	2N2324	GE 4.05	2N3704	TI .60	2N5186	RCA .40	40309	RCA .70
2N1554	MOT 2.30	2N2325	GE 5.92	2N3705	TI .57	2N5187	RCA .45	40311	RCA .73
2N1555	MOT 2.75	2N2360	SPR 2.40	2N3706	TI .52	2N5188	RCA .55	40314	RCA .78
2N1556	MOT 4.00	2N2362	MOT 2.10	2N3707	TI .60	2N5189	RCA .65	40315	RCA .75
2N1557	MOT 2.15	2N2369	MOT 1.07	2N3708	TI .45	3N81	GE 3.40	40317	RCA .78
2N1558	MOT 2.80	2N2382	MOT 5.15	2N3709	TI .48	3N83	GE 2.13	40320	RCA .70
2N1560									







# RCA and I. R. Semiconductors

## RCA "TOP-OF-THE-LINE" UNIVERSAL REPLACEMENT TRANSISTORS, RECTIFIERS AND INTEGRATED CIRCUITS

**SK-3003.** Germanium, PNP, alloy-junction transistor for replacement in AF output, driver and low-level amplifier stages of battery-operated portable radios and other electronic equipment using DC supply not greater than 9 volts. Shpg. wt., 2 oz.  
SK-3003.....99

**SK-3004.** Germanium, PNP, alloy-junction transistor for replacement in AF output, driver and low-level amplifier stages in battery-operated portable radios and other electronic equipment using DC supply not greater than 15 volts. Shpg. wt., 2 oz.  
SK-3004.....99

**SK-3005.** Germanium, PNP, alloy-junction transistor for replacement use in RF amplifier, converter and IF amplifier stages of standard AM broadcast band (530 to 1550 kHz) sets. Shpg. wt., 2 oz.  
SK-3005.....1.17

**SK-3006.** Germanium, PNP, drift-field transistor for replacement use in RF amplifier, IF amplifier and converter stages of FM and AM/FM receivers up to 108 MHz and other electronic equipment using DC supply up to 15 volts. Shpg. wt., 2 oz.  
SK-3006.....1.26

**SK-3007.** Germanium, PNP, drift-field transistor for replacement use in RF amplifier, IF amplifier and converter stages of "all-wave" receivers up to 30 MHz using DC supply up to 15 volts. Shpg. wt., 2 oz.  
SK-3007.....1.26

**SK-3008.** Germanium, PNP, drift-field transistor for RF amplifier, IF amplifier and converter stages of standard broadcast car radios and portable radios up to 15 volts. Shpg. wt., 2 oz.  
SK-3008.....1.23

**SK-3009.** Germanium, PNP, alloy-junction transistor for audio output stages of auto radios, high-fidelity amplifier equipment, and communications equipment. Shpg. wt., 2 oz.  
SK-3009.....2.34

**SK-3010.** Germanium, NPN, alloy-junction transistor for replacement use in Class A voltage amplifier or driver stage using DC supply voltages not greater than 15 volts. Shpg. wt., 2 oz.  
SK-3010.....1.26

**SK-3011.** Germanium, NPN, alloy-junction transistor for replacement use in RF amplifier, converter, and IF amplifier stages of standard AM broadcast band (530 to 1550 kHz) sets using supply voltages up to 18 V. Shpg. wt., 2 oz.  
SK-3011.....1.62

**SK-3012.** Germanium, PNP, alloy-junction transistor for replacement use in audio output stages of transistorized automobile radios. Stud-mounted. Shpg. wt., 2 oz.  
SK-3012.....4.38

**SK-3013.** Matched pair of SK-3009 transistors for replacement use in push-pull type output stages of auto radios, high-fidelity amplifiers, and communications equipment. Shpg. wt., 4 oz.  
SK-3013.....4.68

**SK-3014.** Germanium, PNP, drift-field transistor for audio output stages of auto radios, high-fidelity amplifier equipment and other audio communications equipment. Shpg. wt., 2 oz.  
SK-3014.....3.15

**SK-3015.** Matched pair of SK-3014 transistors, above. For replacement use in push-pull audio output stages of auto radios, amplifiers and other communications equipment. Shpg. wt., 4 oz.  
SK-3015.....6.30

**SK-3016.** Silicon rectifier for color and black-and-white TV sets, hi-fi equipment, phonographs, etc. Hermetically sealed Top-Hat case. PRV, 500 V; DC Output, 1 A max. Shpg. wt., 2 oz.  
SK-3016.....4.8

**SK-3017A.** Silicon rectifier for color and black-and-white TV sets, high-fidelity amplifiers, radios, phonographs, and other types of electronic equipment. Insulated case. PRV, 600 volts. DC output, 1 A max. Shpg. wt., 2 oz.  
SK-3017A.....5.1

**SK-3018.** Silicon, NPN, planar transistor for use in VHF-TV tuners, TV-IF amplifiers, FM tuners, FM-IF amplifiers, and other communications equipment. 4-terminal case. Shpg. wt., 4 oz.  
SK-3018.....1.35

**SK-3019.** Silicon, NPN, planar transistor designed specifically for use in UHF TV oscillator stages that originally employed silicon NPN transistors. Sealed 4-terminal case. Shpg. wt., 4 oz.  
SK-3019.....1.47

### HOW TO ORDER

When ordering, specify Dept. No. 49 C 1, followed by Mfr's Type No. and Name. For Example:  
49 C 1 SK3003-RCA Designates Radio Corp. of America Type SK3003

**SK-3020.** Silicon, NPN, planar transistor for AF amplifier output stages or in low-level driver applications operating with collector supply voltages up to 25 volts. Shpg. wt., 1 oz.  
SK-3020.....1.17

**SK-3021.** Silicon, NPN, diffused transistor for replacement or experimentation use in AF output stages for line-operated radios, phonographs, and color or black-and-white TV receivers using DC supply voltages of 120 volts. Dissipation, up to 8 watts at  $T_{MF}=70^{\circ}C$ . 2 oz.  
SK-3021.....1.77

**SK-3022.** Linear Integrated Circuit. Wideband amplifier discriminator for replacement use only in audio IF stages of TV receivers. TO-5 style package with 10 leads. To order, specify Department Number, 50 C 1, Mfr's Type No. and Name (50 C 1 SK3022-RCA). Shpg. wt., 2 oz.  
SK-3022.....3.96

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SK-3023.....3.96

**SK-3024.** Silicon NPN diffused power transistor for replacement use in driver stages of audio amplifiers using DC supply voltages to 80 V. NPN complement of SK-3025. Shpg. wt., 2 oz.  
SK-3024.....1.98

**SK-3025.** Silicon PNP planar power transistor for replacement use in driver stages of audio amplifiers using DC supply voltages to 80 V. PNP complement of SK-3024. Shpg. wt., 2 oz.  
SK-3025.....2.70

**SK-3026.** Silicon NPN planar power transistor for use as replacement transistor in Class A and B. Audio output amplifier stages in high fidelity equipment, transmitters, etc. Shpg. wt., 2 oz.  
SK-3026.....1.80

**SK-3027.** Silicon NPN planar power transistor for use as replacement transistor in class B push-pull audio output amplifier stages in high-fidelity and communications equipment. Shpg. wt., 2 oz.  
SK-3027.....3.15

**SK-3028.** Matched pair of SK-3026 silicon NPN power transistors for replacement use in push-pull audio output amplifier stages in high-fidelity and communications equipment. Shpg. wt., 2 oz.  
SK-3028.....3.60

**SK-3029.** Matched pair of SK-3027 silicon NPN power transistors for replacement use in push-pull audio output amplifier stages using supply voltages up to 80 V. Shpg. wt., 2 oz.  
SK-3029.....3.60

**SK-3030.** Silicon rectifier for replacement use in high-fidelity equipment, color and black-and-white TV, other electronic devices. PRV of 200 volts; DC output current to 1 A. Insulated case. Shpg. wt., 2 oz.  
SK-3030.....3.60

**SK-3031.** Silicon rectifier for replacement use in high-fidelity equipment, color or black-and-white TV, other electronic devices. PRV of 400 volts; DC output current to 1 A. Insulated case. Shpg. wt., 2 oz.  
SK-3031.....4.32

**SK-3032.** Silicon rectifier for replacement use in high-fidelity equipment, color and black-and-white TV, other electronic devices. PRV of 800 volts; DC output current to 1 A. Insulated case. Shpg. wt., 2 oz.  
SK-3032.....6.1

**SK-3033.** Silicon rectifier for replacement use in high-fidelity equipment, color and black-and-white TV, other electronic devices. PRV of 1000 volts; DC output current to 1 A. Shpg. wt., 2 oz.  
SK-3033.....8.1

### SPG-202D CROSS REFERENCE GUIDE

Lists over 9600 transistor, integrated circuit and rectifier types replaced by the SK-Series "Top-of-the-Line" semiconductors. Size, 8 1/2 x 11". Shpg. wt., 1 1/4 lbs.  
23 C 7232 E.....20

## INTERNATIONAL RECTIFIER SILICON RECTIFIERS

### HOW TO ORDER

Specify Dept. No. 49 C 24, followed by Mfr's Type No. and Name. Ex.: 49 C 24 8D4-IR Designates International Rectifier 8D4.

### 8D SUBMINIATURE SILICON RECTIFIERS

Silicon rectifiers using diffusion and encapsulation techniques to achieve DC output rating of 1000 mA at 25° C. Silver leads for easy soldering. Shpg. wt., 1 oz.

Mfr's Type	Peak Rev. V	Max. Surge, Amps	EACH
8D4	400	50	.59
8D6	600	50	.67

### SILICON RECTIFIER KITS

Low priced rectifier kits designed to encourage experimentation with, and understanding of silicon rectifiers. Ideal for schools, laboratories, commercial applications, experimental and hobby projects. Kits contain a free 24 page instruction manual crammed with interesting and instructive projects and experiments. Shpg. wt., 3 oz.

DD-175. 100 PRV., 1/2 amp. Pkg. of 4 for .99  
DD-176. 200 PRV., 1/2 amp. Pkg. of 2 for .59  
DD-177. 400 PRV., 1/2 amp. Pkg. of 2 for .99



### COLOR-TV RECTIFIER

Selenium cartridge rectifier used in 1964 color sets. Shpg. wt., 3 oz.

Mfr's Type	PRV (Volts)	Use	EACH
61-8969	6500	Focus	2.95



# G.E. and I.R. Semiconductors

## G.E. ELECTRONIC COMPONENTS FOR EXPERIMENTERS AND HOBBYISTS

Every component in General Electric's GE-X Series includes easy-to-follow instructions from which educational and practical electronic devices can be constructed. Ideal for students and experimenters.



- GE-X1.** Silicon controlled rectifier is actually a solid-state switch for 117 volt, 50-60 Hz AC household circuits. Controls up to 4.7 amps. Shpg. wt., 3 oz.
- GE-X1**.....2.60
- GE-X2A.** "Mighty midget"—the first light-activated power switch. Silicon controlled rectifier conducts up to ¼ amp up to 25 volts. Fine for photoelectric controls, experimental ignition systems, "Slave Photo-flash" circuits. Shpg. wt., 3 oz.
- GE-X2A**.....2.80
- GE-X3.** Silicon controlled rectifier for high current (up to 13 amps) at lower voltage up to 50 PIV. Ideal for battery chargers, electroplating relay replacement, or low-voltage controls. Shpg. wt. 3 oz.
- GE-X3**.....4.00
- GE-X4.** Low-cost, high-current conventional silicon rectifier. 20 amps at up to 200 PIV. For Hi-Lo lamp dimmers, motor-speed controls, battery chargers, and (with GE-X1 or GE-X3) full-wave SCR light dimmers or DC power supplies. Shpg. wt., 3 oz.
- GE-X4**.....1.60
- GE-X5.** High-sensitivity, silicon controlled rectifier. Capable of handling up to 1.6 amps and 50 volts. Can be activated by momentary 200 µW or less. Ideal for simple remote controls, temperature controls, alarm systems, other devices. Shpg. wt., 3 oz.
- GE-X5**.....2.30
- GE-X6.** End-illuminated, cadmium sulfide photo-conductive cell for making intriguing electronic devices. Up to 250 volts peak AC-DC in control uses such as relay controls, automatic light flashers, remote indication, and punched card or tape readouts. Shpg. wt., 3 oz.
- GE-X6**.....1.40
- GE-X7 Reed Switch.** Can carry loads from 15 volt-amperes down to micro-amperes. External magnetic actuation. Ideal for use in liquid level controls, weight measuring devices, temperature limiters, multiple relays, and many other devices. Shpg. wt., 2 oz.
- GE-X7**.....80

### HOW TO ORDER

When ordering, specify Dept. No. 49 C 3, followed by Mfr's Type No., and Name. For Example:  
49 C 3 GE-X1-GE Designates General Electric Type GE-X1

- GE-X8.** NPN germanium, medium-speed transistor designed for low level switching and amplification uses. Includes schematics for Light Source, Flasher, and Target. Also used as an oscillator, DC amp. 3 oz.
- GE-X8**.....70
- GE-X9.** A PNP germanium transistor for medium power amplification and switching. Shpg. wt. 3 oz.
- GE-X9**.....70
- GE-X10.** Unijunction transistor for oscillators, timing circuits, SCR firing and bi-stable circuits. Shpg. wt., 3 oz.
- GE-X10**.....1.35
- GE-X11.** Silicon zener diode rated 8.2 V. @ 1 watt. For voltage regulation and transient protection. Wt., 3 oz.
- GE-X11**.....1.80
- GE-X12.** TRIAC-type transistor for applications requiring control of lamps or appliances from remote locations. With schematic for building remote control for lamp in appliances. Shpg. wt., 3 oz.
- GE-X12**.....4.50
- GE-X13.** DIAC-type transistor for control from 0-100% of AC loads. Dims lamps, controls AC motors, etc. Shpg. wt., 3 oz.
- GE-X13**.....1.60
- GE-X14.** Thyrector used in voltage power supplies providing two voltage outputs from a single circuit. Shpg. wt., 3 oz.
- GE-X14**.....1.15
- GE-X15.** Thermistor for use as fire-warning device, temperature regulator, etc. Detects approx. 115° to 165° F. Shpg. wt., 3 oz.
- GE-X15**.....3.45
- GE-X16.** Silicon-controlled rectifier for use in battery-operated fluorescent lighting devices in trucks, boats, camp trailers, etc. With useful schematic. Shpg. wt., 3 oz.
- GE-X16**.....3.45

### TYPE GE-504A UNIVERSAL TV RECTIFIER

Top-hat design universal TV rectifier. Recommended as a replacement for all selenium, germanium and silicon rectifiers presently used in color or black-and-white TV receivers. Offers 60-amp surge rating; 600 volts peak inverse voltage; 1000 mA DC output current. Designed for high reliability and long-life performance. Shpg. wt., 2 oz.

**GE-504A**.....66

### "VAC-U-SELL" DOUBLE-DIODES

Top-quality miniature double-diodes for use in color or black-and-white TV horizontal detector circuits, etc. Static balance, less than 0.3 mA difference between cells. I<sub>fw</sub>, forward current; I<sub>mr</sub>, maximum reverse current. ½x½x½". Shpg. wt., 4 oz.

Type No.	I <sub>fw</sub>	I <sub>mr</sub>	Description	E.A.
6GC1	1.1 mA @ 2.5V	4 µA @ 20V	Common Cathode	.60
6GD1	1.1 mA @ 2.5V	4 µA @ 20V	Series Connected	.60
6GX1	1.1 mA @ 2.5V	4 µA @ 20V	Common Anode	.60

### TYPE GE-M100 GERMANIUM MESA TRANSISTOR

High-reliability germanium mesa transistor recommended for experimental and replacement use for Hams, hobbyists and Citizens Banders. Offers top performance, long-life dependable operation. With circuit diagrams for transistorized Citizens Band and remote-control units. Shpg. wt., 3 oz.



**GE-M100**.....1.20

### ELECTRONICS EXPERIMENTER/HOBBYIST MANUAL

Valuable addition to the electronics library of the student, experimenter or hobbyist. Has important new information on SCR and rectifier circuit applications. Size, 5½x8½". 199 pages. 10 oz., 23 C 7115 E.....1.50

### UNIVERSAL REPLACEMENT TRANSISTORS

The twenty-six transistors listed below cover the majority of applications that a radio or TV serviceman will encounter. Inventories are therefore minimized. GE-9 is smaller than GE-1 (GE-9, .209" dia.; GE-1, .335" dia.). \*Germanium. †Silicon. Av. shpg. wt., 2 oz.

Type No.	Use	Application	EACH
GE-1	PNP*	Mixer/Oscillator Converter; RF and IF Amplifier	1.20
GE-2	PNP*	AF Amplifier	1.02
GE-3	PNP*	AF Power Amplifier	2.34
GE-4	PNP*	AF High Power Amplifier	4.44
GE-5	NPN*	Mixer/Oscillator Converter; RF and AF Amplifier	1.68
GE-6	NPN*	Mixer/Oscillator Converter; RF Amplifier	1.83
GE-7	NPN*	IF Amplifier	1.77
GE-8	NPN*	AF Amplifier	1.29
GE-9	PNP*	Mixer/Oscillator Converter; RF and IF Amplifier	1.26
GE-9A	PNP*	Same as GE-9	1.26
GE-10	NPN†	AF Amplifier-Driver-Output	1.20
GE-11	NPN†	FM and RF Amplifier, FM Converter, UHF Oscillator	1.53
GE-12	NPN†	AF Power Amplifier	2.34
GE-13-MP	PNP*	Matched Pair GE-3	4.68
GE-14	NPN†	AF Power Amplifier	3.51
GE-15-MP	NPN†	Matched Pair GE-14	7.02
GE-16	PNP*	AF High Power Amplifier	3.15
GE-17	NPN†	FM-RF Oscillator	1.42
GE-18	NPN†	Moderate-Current Audio Use	1.46
GE-19	NPN†	High-Current Audio Use	3.06
GE-20	NPN†	RF-IF Amps; Oscillators	1.10
GE-21	PNP†	RF-IF Amps; Oscillators	1.12
GE-22	PNP†	RF-IF Amps (AM, FM); Osc.	1.03
GE-23	NPN†	Class A, B, AF Power Amp.	2.52
GE-24-MP	NPN†	Matched Pair GE-23	5.04
GE-FET-1	N-Chan.	Field-Effect Transistor	2.25

## INTERNATIONAL RECTIFIER SELENIUM RECTIFIER STACKS

### HOW TO ORDER

Specify Dept. No., 49 C 24, followed by Mfr's Type No. and Name. Ex.: 49 C 24 E-075L-IR Designates International Rectifier E-075L.

### COMPACT SELENIUM STACKS

Low cost, high density selenium rectifier for original equipment and replacement use. Offer long life, stable characteristics, negligible leakage. All are rated 130 volts rms max. input. With mounting bracket, hardware. Av. shpg. wt., 3 oz.

Type No.	Replaces Type	Size	DC Output (mA)	EACH
E-075L	T065/075	2½x.67x.67"	0-75	.59
E-150L	T075/150	¾x1x1"	75-150	.74
E-300L	T200/300	1½x1½x1½"	150-300	1.10
E-500L	T450/500	1½x1½x1½"	400-500	1.22
E-650L	T550/650	2x2x2"	500-650	2.08

### "PLUG IN" ALL-CIRCUIT SILICON RECTIFIERS

Fit clip-type rectifier holders for use in radio-TV, motor control, amplifier, industrial power supply circuit. PIV, 400V. Input rms, 140 V. Shpg. wt., 2 oz.



Type No.	Output, DCmA @ 50° C	Max. Surge Amps	EACH	
1MA4	Resistive 350	Capacitive 250	2	.79
5MA4	Resistive 1000	Capacitive 800	50	.92

57 C 3006, Holder. Shpg. wt., 2 oz.....1.4

### ZENER DIODE KIT

**DD-170.** This bargain package contains an assortment of 5 popular 1-watt zener diodes and a complete 24-page instruction manual that includes many hobby and experimental projects. Shpg. wt., 3 oz.

**DD-170**.....1.95

To Order, Specify Dept. No., Mfr's Type No. and Name

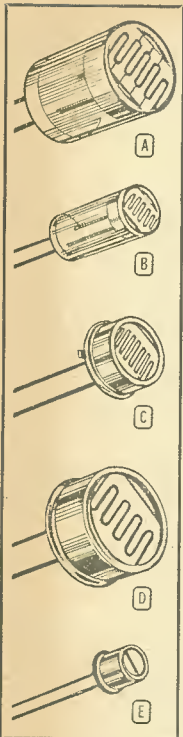
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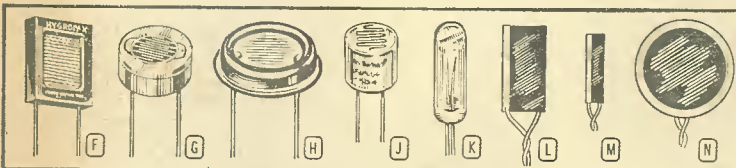
# Photoceils and Humidity-Sensitive Devices

## CLAIREX CdS AND CdSe PHOTOCELLS

\*Resistance @ 2 fc = 33 1/3%. †Res. ratio from 2 fc to dark within 5 seconds. ‡Power diss. @ 25°C. (mW). §With/without heat sink. Av. shpg. wt., 2 oz.



Stock No.	Type No.	Fig.	Description	DxL (In.)	*Resist. @ 2fc	†Max. Res. Ratio	Max. Volt.	‡Power Dissip.	EACH
60 C 9488	CL5M2	D	Type 2 CdS, peak resp. 5150 Å., bluest response photoconductive material; high stability, low temp. error. Use with fluorescent and incandescent lamps.	.55x.18	55K	1:100	300	2000/500§	2.00
60 C 7460	CL1602	B		.25x.5	1 meg.	1:100	300	75	1.50
60 C 7472	CL1702	C		.36x.18	1 meg.	1:100	300	125	2.00
60 C 7486	CL902	E		.21x.15	1 meg.	1:100	250	50	2.00
60 C 7469	CL503	A		.5x.5	7.2K	1:10,000	250	500/250§	1.50
60 C 9489	CL5M3	D		.55x.18	7.2K	1:10,000	300	2000/500§	1.50
60 C 7461	CL603	B	Type 3 CdSe, peak spectral response 7350 angstroms, very low resistance photoconductive material; very high light-to-dark resistance ratio. Can be used for high speed switching or counting. Sensitive to near infra red. For use with incandescent or neon lamps.	.25x.5	133K	1:10,000	300	75	1.75
60 C 7462	CL603A	B		.25x.5	75K	1:10,000	300	75	1.75
60 C 7463	CL603AL	B		.25x.5	3.5K	1:10,000	170	75	1.75
60 C 7473	CL703	C		.36x.18	133K	1:10,000	300	125	1.50
60 C 6437	CL703A	C		.36x.18	67K	1:10,000	300	125	1.50
60 C 7474	CL703L	C		.36x.18	2.7K	1:10,000	170	125	1.50
60 C 7488	CL903	E		.21x.15	133K	1:10,000	250	50	1.50
60 C 6438	CL903A	E		.21x.15	67K	1:10,000	250	50	1.50
60 C 6439	CL903L	E		.21x.15	5.9K	1:10,000	170	50	1.50
60 C 7456	CL504	A		.5x.5	1.5K	1:1000	250	500/250§	1.50
60 C 9490	CL5M4	A		.55x.18	1.5K	1:1000	300	2000/500§	1.50
60 C 7457	CL504L	A	Type 4 CdSe, peak spectral response 6900 angstroms, very low resistance photoceils. Can be used for 'on-off' applications when low resistance is desired. For use with either incandescent or neon lamps.	.5x.5	0.25K	1:1000	170	500/250§	0.50
60 C 6440	CL5M4L	D		.55x.18	0.25K	1:1000	170	2000/500§	1.50
60 C 7464	CL604	B		.25x.5	30K	1:1000	300	75	1.75
60 C 7465	CL604L	B		.25x.5	1.5K	1:1000	170	75	1.75
60 C 6441	CL704	C		.36x.18	30K	1:1000	300	125	1.50
60 C 7476	CL704L	C		.36x.18	166K	1:1000	300	125	1.50
60 C 7490	CL904	E		.21x.15	30K	1:1000	250	50	1.50
60 C 6442	CL904L	E		.21x.15	2K	1:1000	100	50	1.50
60 C 7458	CL505	A		.5x.5	9K	1:100	250	500/250§	1.50
60 C 9491	CL5M5	A		.55x.18	9K	1:100	300	2000/500§	1.50
60 C 7459	CL505L	D	Type 5 CdS, peak spectral response 5500 angstroms (closely matches the human eye), stable, low memory photoceils. Can be used in light measuring applications, and precision low speed switching. For use with incandescent, fluorescent or neon lamps.	.5x.5	1.5K	1:100	170	500/250§	1.50
60 C 6443	CL5M5L	D		.55x.18	1.5K	1:100	170	2000/500§	1.50
60 C 7466	CL605	B		.25x.5	166K	1:1000	300	125	1.50
60 C 7467	CL605L	B		.25x.5	3.3K	1:1000	170	125	1.50
60 C 6444	CL705	C		.36x.18	166K	1:1000	300	125	1.50
60 C 7478	CL705L	C		.36x.18	3.3K	1:1000	170	125	1.50
60 C 6445	CL905	E		.21x.15	166K	1:1000	250	50	1.50
60 C 6446	CL905L	E		.21x.15	10K	1:1000	100	50	1.50
60 C 6447	CL705HL	C	Type 5H CdS, peak response 5500Å. Uniform color temp. response. For speed switching, high stability measuring, incandescent, fluorescent, neon lamps.	.36x.18	28K	1:1000	170	125	1.50
60 C 6448	CL905HL	E		.21x.15	100K	1:1000	100	50	1.50
60 C 6449	CL905HLN	E		.21x.15	700K	1:1000	100	50	1.50
60 C 6450	CL507	A		.5x.5	7.2K	1:1000	250	500/250§	1.50
60 C 9492	CL5M7	D		.55x.18	7.2K	1:1000	300	2000/500§	1.50
60 C 7468	CL607	B	Type 7 CdS, peak spectral response 6150 angstroms, moderate at speed and ratio. Can be used in general beam breaking applications. For use with incandescent, neon or fluorescent lamps.	.25x.5	133K	1:1000	300	75	2.00
60 C 6451	CL707	C		.36x.18	133K	1:1000	300	125	1.50
60 C 6452	CL707L	C		.36x.18	2.7K	1:1000	170	125	1.50
60 C 6453	CL907	E		.21x.15	133K	1:1000	250	50	1.50
60 C 6454	CL907N	E		.21x.15	66K	1:1000	100	50	1.50



### F HYGROPAK HUMIDITY SENSORS

Range: 30% to 100% relative humidity, 1x 1 1/8x3/4". 3/4" pin spacing. Shpg. wt., 4 oz.

Stock No.	Type	Description	EACH
60 C 7746	HA	Under 100K to over 100 megs	5.00
60 C 7747	HA-26	30 ohms to 100 ohms	6.00
60 C 7748		Socket for HA or HA-26	.30

### G POLARIS MAJ-1 PHOTOCCELL

Type LDR-C1. CdS cell rated 75-300 ohms at 92 footcandles, 10 megs in total darkness. Maximum change, 0.2 meg. per sec. Maximum dissipation, 0.2 watt at 40°C. Maximum cell voltage 110 VAC (peak) or DC. Ambient range, -20° to +60°C. Wt., 6 oz. 60 C 7565.....1.00

### SOLAR SYSTEMS SILICON CELLS

Power transistor radios or operate relays and small motors from sunlight. Response, 70 psec maximum. Peak sensitivity at 0.85 micron. Unmounted. 6" color-coded leads. Av. shpg. wt., 2 oz.

Stock No.	SS	Fig.	Output mA	mW	Size	EA.
60 C 7566	10-4L	L	18.0	7.2	.8x.4"	1.95
60 C 7567	10-6L	L	27.0	10.8	.8x.4"	2.40
60 C 7568	10-8L	L	36.0	14.4	.8x.4"	3.60
60 C 7569	11-1L	L	12.0	4.8	.4x.4"	1.95
60 C 7570	12-1L	L	5.0	2.0	.4x.2"	1.50
60 C 7571	20-1L	M	12.0	4.8	.8x.2"	3.50
60 C 7572	21-1L	M	5.0	2.0	.4x.2"	2.20
60 C 7573	22-1L	M	2.5	1.0	.2x.2"	1.40
60 C 7574	23-1L	N	1.3	0.52	.2x.1"	1.00
60 C 7575	30-1L	N	60.0	24.0	1.125x.1	6.75

### F. W. BELL "HALL PAK" EXPERIMENTAL KIT

Explains electromagnetic phenomenon—the development of a voltage potential between two edges of a strip of metal in which electric current is flowing longitudinally. Includes: Hall-effect device; circuit board with balancing network, DC transistor amplifier (voltage gain of 50); magnet for stable DC field; instructions, experiments. 1 1/2 lbs. 60 C 7659 \$5 Monthly.....21.95

### IR PHOTOCCELL EXPERIMENTER KIT

Type K-421. May be used for powering transistor radios, building light meters, sun-powered projects, etc. Contains 7 different selenium, silicon and cadmium-sulfide photoceils similar to those illustrated. Kit includes an instruction manual with circuit diagrams and experiments, plus "Experimenter Handbook." Shpg. wt., 1 lb. 60 C 7660.....5.95

### RCA CADMIUM-SULFIDE PHOTOCELLS

Max. response 5100Å. Hermetically sealed. Glass(G) or glass-metal(GM); †Max. volt DC or peak AC; ‡Power diss. cont. service; Modified cases: \*TO-5, \*TO-8. Shpg. wt., 2 oz.

Stock No.	Mfr's Type	Fig.	(Dia.) (In.)	†	‡	Res (Ohms) @2fc	EA.
60 C 9968	SQ2503	H	1	500	0.75	17	1.30
60 C 8846	SQ2508	H	1/4x8	200	0.05	60	1.92
60 C 9992	SQ2519	H	1/4x8	300	0.05	9	1.08
60 C 9980	SQ2525	H	1/2x8	250	0.2	0.7	1.49
60 C 9991	SQ2521	H	1/2x8	250	0.2	8	1.54
60 C 9985	SQ2523	H	1/2x8	110	0.2	3	2.10
60 C 9986	SQ2524	H	1/2x8	110	0.2	1.6	2.10
60 C 9982	SQ2525	H	1/2x8	250	0.2	14	1.82
60 C 9983	SQ2526	H	1/2x8	110	0.2	3	1.54
60 C 9984	SQ2527	H	1/2x8	110	0.2	1.6	1.54
60 C 6269	SQ2536	H	1/4x8	110	0.05	3	1.13
60 C 8919	4402	H	1/4x8	300	0.05	9	1.67
60 C 7435	4403	H	1	250	0.75	1.8	1.21
60 C 7436	4404	H	1	600	0.75	5.5	1.32
60 C 8922	4413	H	1	110	0.05	17	2.39
60 C 7439	4425	J	1/2x8	110	0.7	0.7	2.10
60 C 6270	4448	H	1	600	0.75	2	1.32
60 C 6270	4450	H	1	600	0.75	25	1.37
60 C 6271	4451	H	1	600	0.75	160	1.37
60 C 8927	4453	H	1	600	0.75	4	1.28
60 C 7443	7163	H	1	600	0.75	10	1.21
60 C 6272	7412	K	1/4x8	200	0.05	60	2.06

Allied gives you highest quality, best service, and lowest prices.





# Thermistors and Semiconductor Coolers

THERMISTORS By FENWAL ELECTRONICS, INC.

In a Wide Variety of Styles  
For All Job Requirements



Use glass-coated bead thermistors where fast response, precision and operation in temperatures up to 600°F are required. Medium-small glass probes are similar, but are more rugged and mount more easily. Discs are used for medium power and time response, for temperatures up to 125°C. Rods and washers are ideal for high dissipation applications; operate in temperatures up to 150°C. Av. shpg. wt., 2 oz.

Stock No.	Mfr's Type	Fig.	Style	Ohms @ 25°C	Res. Ratio 0°C: 50°C	EACH
60 C 8621	GD25J1	A	Bead	500	5.1:1	3.24
60 C 8622	GB31J1	A	Bead	1000	7.3:1	2.70
60 C 9911	GB32J2	A	Bead	2000	7.3:1	1.96
60 C 8623	GB35J1	A	Bead	5000	7.3:1	3.24
60 C 8624	GB41J1	A	Bead	10K	7.5:1	3.24
60 C 8625	GA45J1	A	Bead	50K	10.3:1	2.67
60 C 9909	GA51J1	A	Bead	100K	10.3:1	1.96
60 C 7113	GA52J2	A	Bead	200K	10.9:1	2.70
60 C 8626	GA53J1	A	Bead	500K	11.8:1	3.24
60 C 7114	GA61J1	A	Bead	1000K	14.0:1	3.78
60 C 8627	GB31P2	B	Probe	1000	7.3:1	2.00
60 C 8628	GB32P2	B	Probe	2000	7.3:1	2.00
60 C 9912	GB32P8	B	Probe	2000	7.3:1	2.35
60 C 8629	GB34P2	B	Probe	4000	7.3:1	2.00
60 C 8630	GB41P2	B	Probe	10K	7.5:1	2.40
60 C 8631	GB42P2	B	Probe	20K	7.5:1	2.40
60 C 7116	GA45P2	B	Probe	50K	10.3:1	2.20
60 C 9910	GA51P2	B	Probe	100K	10.3:1	2.00
60 C 9967	GA51P8	B	Probe	100K	10.3:1	2.35
60 C 8632	GA52P2	B	Probe	200K	10.9:1	2.00
60 C 8633	GA55P2	B	Probe	500K	11.8:1	2.40
60 C 8634	GA61P2	B	Probe	1.0 Meg	14.0:1	2.80
60 C 8635	JB25J1	C	Disc	500	6.9:1	1.00
60 C 8636	JB31J1	C	Disc	1000	6.9:1	1.00
60 C 8637	JA33J1	C	Disc	3000	9.1:1	1.00
60 C 9975	JA35J1	C	Disc	5000	9.1:1	1.00
60 C 7118	JA38J1	C	Disc	8000	9.1:1	1.00
60 C 8638	JA41J1	C	Disc	10K	9.1:1	1.00
60 C 8640	KB21J1	C	Disc	300	6.9:1	.85
60 C 8641	KB23J1	C	Disc	200	6.9:1	.85

Stock No.	Mfr's Type	Fig.	Style	Ohms @ 25°C	Res. Ratio 0°C: 50°C	EACH
60 C 8642	KB25J1	C	Disc	500	6.9:1	.85
60 C 9914	KA31L1	C	Disc	1000	9.1:1	.85
60 C 7119	KA33J1	C	Disc	3000	9.1:1	.85
60 C 8643	KA35J3	C	Disc	5000	9.1:1	.85
60 C 8644	LB21J2	C	Disc	18.6	6.9:1	.97
60 C 7120	LB15J1	C	Disc	50	6.9:1	.85
60 C 9915	LB21J1	C	Disc	100	6.9:1	.85
60 C 8645	LB22L1	E	Disc	200	6.9:1	.85
60 C 8646	LA23J2	E	Disc	500	9.1:1	.85
60 C 8647	LA31J1	C	Disc	1000	9.1:1	.85
60 C 8648	MB13J1	C	Disc	25	6.9:1	.85
60 C 8649	MA21J1	C	Disc	100	9.1:1	.85
60 C 8650	NB11J1	C	Disc	10	6.9:1	.85
60 C 8651	NA21J1	C	Disc	100	9.1:1	.85
60 C 8652	NA22J1	C	Disc	250	9.1:1	.85
60 C 8653	QB41J1	D	Rod	10K	7.1:1	1.25
60 C 9916	QA51J1	D	Rod	100K	9.1:1	1.25
60 C 9917	RB33L1	D	Rod	3150	7.1:1	1.20
60 C 9918	RB41L1	D	Rod	10K	9.1:1	1.20
60 C 9978	RA43L1	D	Rod	31.5K	9.1:1	1.20
60 C 8654	RA51L1	D	Rod	100K	9.1:1	1.35
60 C 8655	TB31L1	D	Rod	1K	7.1:1	1.35
60 C 8656	TA45L1	D	Rod	50K	9.1:1	1.60
60 C 9925	WB11W1	F	Washer	10	6.9:1	1.25
60 C 9919	WA21W1	F	Washer	100	9.1:1	1.25
60 C 8686	WA23W1	F	Washer	315	9.1:1	1.25

## G300A THERMISTOR DATA COMPUTER

Includes handy resistance-temperature computer card and thermistor manual that gives specifications of all thermistors. Shpg. wt., 4 oz. 60 C 9877B ..... 1.00

## EXPERIMENTER'S THERMISTOR KITS

See cut at upper left for illustrations of kit items. Beads are Fig. A; probes, Fig. B; discs, Figs. C and E; rods, Fig. D; washers, Fig. F.

**Model G-200.** Contains 12 different thermistors (2 glass probes, 3 beads, 2 discs, 3 rods, 2 washers). Each thermistor is packed with specification sheets showing complete operating characteristics—resistance-temperature curves, etc. Shpg. wt., 1 1/2 lbs. 60 C 9926 \$5 Monthly ..... 19.95

**60 C 8658. G-700 Economy Kit.** Includes 4 glass beads and probes for a variety of basic applications. Complete with manual and thermistor data-and-curve computer. Shpg. wt., 6 oz. .... 4.95

**60 C 8659. G-701 Economy Kit.** Includes 10 glass beads and probes in a wider range of resistance values. With manual and thermistor data-and-curve computer. Shpg. wt., 8 oz. .... 9.95

## WAKEFIELD ENGINEERING SEMICONDUCTOR COOLERS

### SERIES 200 FEATHERWEIGHT COOLERS

### SERIES 400 NATURAL CONVECTION COOLERS



Unique fin design permits horizontal or vertical orientation with excellent natural convection. In forced convection uses, the axis or the semiconductor may be oriented either perpendicular or parallel to the direction of air flow. Series 200 coolers are made from a beryllium copper alloy having twice the thermal conductivity of commonly used alloys. Black finish. Meets MIL-C-81021. Shpg. wt., 2 oz.

Stock No.	Mfr's Type	Fig.	Dia. In.	Lght. In.	Fits Case Dia.	EACH
60 C 6527	NF201	K	.64	.19	.161/.24	.29
60 C 6528	NF203	G	.64	.38	.161/.24	.27
60 C 6525	NF204	G	.55	.20	.275/.335	.25
60 C 6529	NF205	K	.72	.19	.275/.370	.27
60 C 6530	NF207	K	.72	.38	.275/.370	.29
60 C 6531	NF209	J	1.28	.44	.275/.370	.34
60 C 7074	NF211	K	.83	.19	.440/.544	.27
60 C 7073	NF213	K	.83	.38	.440/.544	.29
60 C 7075	NF215	J	1.40	.44	.440/.544	.34
60 C 7042	NF222	H	.64	.38	.161/.240	.38
60 C 7043	NF224	H	.72	.44	.275/.371	.38

### INSTALLATION TOOLS FOR MODELS ABOVE

60 C 6532 | 160 Installation tool for Models 201, 3, 5, 7, 9 ..... 1.50  
60 C 8921 | 161 Installation tool for Models 211, 13, 15 ..... 1.50

Ideal for use where space is critical. Features an optimum fin design for reliability in a wide range of semiconductor applications. Mounting area: Types 401-403, 6.3 sq. in.; Type 441, 7.13 sq. in. Black anodize finish per MIL-A-8625 Type II specifications. Av. shpg. wt., 4 oz.



Stock No.	Mfr's Type	Fig.	Inches			EACH
			H	W	D	
60 C 6501	NC401A	L	1.50	4.81	1.25	1.55
60 C 6502	NC401B	L	1.50	4.81	1.25	1.55
60 C 7094	NC401E	L	1.50	4.81	1.25	1.78
60 C 6503	NC401K	L	1.50	4.81	1.25	1.29
60 C 6504	NC403A	L	3.00	4.81	1.25	1.78
60 C 6505	NC403B	L	3.00	4.81	1.25	1.78
60 C 6506	NC403C	L	3.00	4.81	1.25	1.78
60 C 6507	NC403K	L	3.00	4.81	1.25	1.52
60 C 9526	NC413A	L	3.00	4.81	1.87	2.41
60 C 9527	NC413B	L	3.00	4.81	1.87	2.41
60 C 9528	NC413C	L	3.00	4.81	1.87	2.15
60 C 6507	NC421A	L	3.00	4.81	2.63	2.51
60 C 6508	NC421B	L	3.00	4.81	2.63	2.51
60 C 7098	NC421C	L	3.00	4.81	2.63	2.51
60 C 6509	NC421K	L	3.00	4.81	2.63	2.24
60 C 6510	NC423A	L	5.50	4.81	2.63	3.66
60 C 6511	NC423B	L	5.50	4.81	2.63	3.66
60 C 6512	NC423K	L	5.50	4.81	2.63	3.40
60 C 7106	NC441J	M	5.50	4.75	4.50	6.41
60 C 7107	NC441W	M	5.50	4.75	4.50	6.41
60 C 6533	NC441K	M	5.50	4.75	4.50	5.92

## MALLORY SONALERT AUDIBLE WARNING DEVICE

- Offer Many Advantages Over Mechanical Warning Devices
- Low Current • No RF or Arcing • High Reliability

### SPECIFICATIONS

Type	Freq.	Volts	mA	dB	Temp. F°
SC628	2.5 kHz	6-28DC	3-14	68-80	-40-130
SC628P*	2.5 kHz	6-28DC	3-14	65-77	-40-130
SC628H	4.5 kHz	6-28DC	3-14	68-80	-40-130
SC628A	2.5 kHz	6-28AC/DC	3-14	68-80	-40-130
SC110	2.5 kHz	110AC/DC	14	80	-40-130

Solid state miniature audible-signal warning device emits a discernible signal at minimum current. Eliminates possibility of arcing or RF as in other types of devices. For communications control systems; appliances; automotive functions; other electronic equipment. \*Pulsing sound output. Av. shpg. wt., 8 oz.



Stock No.	Mfr's Type	EACH	Stock No.	Mfr's Type	EACH
60 C 8983	SC628	5.50	60 C 8985	SC628A	8.75
60 C 9745	SC628P*	9.95	60 C 8986	SC110	8.75
60 C 8984	SC628H	6.35			



# Rotron Cooling Fans

## COMPACT SPRITE® FAN—33-CFM



- Very Small, Only 3 1/8" Square x 1 5/8" Deep
- Fits 3 1/2" Panel Height in Relay Racks
- Ambient Temp. Range, —20° to +140° F

Perfect for any application requiring 33-cfm (free delivery). Unusually small size makes it ideal where space is at a premium. Fits 3 1/2" panel height in relay racks. Applications include: power supplies, transmitters and receivers, digital voltmeters, office copying machines, paper-tape equipment, counters, printers, etc. Easily mounted with

holes in fan-barrel flanges. Quiet—only 35 dB noise level. Venturi, spiders, and motor mounting are combined in a single aluminum die casting. Has 9-blade molded propeller made of high-impact polycarbonate. Airflow is easily reversed by turning fan end-for-end. Life up to 5 years. Order accessories below. For 115 volts, 50-60 Hz AC. Shpg. wt., 14 oz.

60 C 6764.....	Each 13.20
60 C 6765, Finger Guard for Above, Wt. 8 oz.....	Each .60
60 C 6766, Plug and Cord for Above, Wt., 5 oz.....	Each .90
60 C 8618, Oiler Kit for Above, Wt., 6 oz.....	Each 3.00
60 C 8617, Lubricant for Above, Wt., 3 oz.....	Each 1.75

## LOW-COST SKIPPER® FAN—100-CFM



Provides really economical cooling. Ideal for computers, vending machines, and general electronic equipment. Delivers 100 cfm (free delivery) at ambient temperatures up to 140° F. Only 5 3/8" diameter by 1 3/8" deep. Bearing heat sink helps keep motor cool. Quiet—only 38 dB noise level. Airflow reversible. No mounting holes required—mounts with just a retaining ring. Rugged polypropylene venturi; aluminum motor and spiders. Life in excess of 5 years. For 115 volts, 60 Hz AC. Shpg. wt., 15 oz.

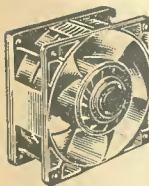
60 C 9766, SKP-4 Skeleton Fan, Less Venturi.....	Each 7.80
60 C 8715, SKR-4 Venturi Fan with Frame.....	Each 8.30

## ACCESSORIES FOR MUFFIN AND WHISPER FANS

60 C 8613, Type 1S449 Filter Fan Conversion Kit. Includes filter, frame and clips. Shpg. wt., 1/4 lb.....	Each 2.75
60 C 8614, Type 16238 Standard Spirol Grille, 3 oz.....	Each .80
60 C 9401, Type 17826 Expanded Metal Grille, 3 oz.....	Each .80
60 C 8615, Type 13996 Mounting Clips, 2 oz.....	Per Pair .20
60 C 9268, Type 20132-2 Finger Guard, 2 oz.....	Each .50

## TARZAN® FAN—350-CFM

- Designed for Solid-State Components
- Provides Reversible Air Flow



Unique axial fan designed for cooling tightly-packed electronic cabinets. Radical departure in fan design provides centrifugal-blower performance in an axial-flow fan. Ideal for solid-state components, densely-packed relay-rack communications equipment, compact air-liquid heat exchangers, and other uses. Airflow is reversible. Ambient temperatures to 131° F. Life to 3 years at 120° F. Phenolic venturi; diecast aluminum spiders; polycarbonate 5-blade propeller; double-shielded motor bearings, lubricated for life. Ventilated

impeller hub insures positive cooling of motor. Mounts easily with holes in venturi. Only 6 3/4" square by 4 1/2" deep. For 115 volts, 50-60 Hz AC. Shpg. wt., 5 lbs.

60 C 8717, Type TN382 Tarzan Fan with Solder Terminals	Each 42.45
60 C 8718, Type TN302 Tarzan Fan with 11" Leads.....	Each 41.80
60 C 8719, Type 21196-Z Guard. Protects fan blades. Use for either inlet or outlet, 4 oz.....	Each 1.50
60 C 6874, Type 20990 Filter 8ox, 1 lb.....	Each 9.35
60 C 8800, Type 17555 Plug and Cord Set. For Model TN3B2T Tarzan Fan, with terminal connections, 2 oz.....	Each .60
60 C 7071, Type 18440 Filtercoat, 3 oz.....	Per Can 1.00

## LONG-LIFE GOLD SEAL MUFFIN® FAN—100-CFM



- Extremely Thin, 4 1/16" Square x 1 1/2" Deep
- Quiet, Highly Efficient Air Mover
- Advanced Bearing System Gives Longer Life

Cools, directs heat, or ventilates at moderate cost. Excellent for computers, office machinery, electronic equipment, and other applications. Noise level reduced to only 40 dB at free air delivery for quiet operation. Airflow is reversible by turning fan end-for-end. Ambient temperature range: 0° to 160° F. Life expectancy 5 years at 70° F. Motor-bearing heat sink keeps motor cool. Encapsulated motor stator resists moisture and humidity. Filter Fan has 14x18 mesh aluminum air filter. With 2 mtg. clips. For 115 volts, 50-60 Hz AC. U.L. Listed. Shpg. wt., 1 lb.

60 C 8599, Skeleton Fan.....	Each 13.35
60 C 8597, Venturi Fan with Frame, 15 oz.....	Each 13.70
60 C 8596, Grille Fan with Frame, Grille, 1 1/4 lbs.....	Each 14.70
60 C 8598, Filter Fan with Frame, Grille, Filter, 1 1/4 lbs.....	Each 16.45

## SUPER-QUIET WHISPER® FAN—65-CFM



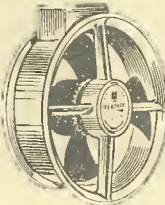
Silent operation makes the Whisper Fan the ultimate when noise must be minimized. Low 18 dB noise level makes it ideal for offices, labs, hi-fi consoles, Ham gear, sound systems, and other noise-sensitive devices. Reversible airflow. Compact—only 4 1/16" square by 1 1/2" deep. High-impact, flame retardant, black phenolic frame. Encapsulated bus-bar leads with solder terminals provide maximum resistance to humidity. Advanced bearing system and relative slow speed (1800 rpm nominal) assure

long life. Draws only 7 watts. Includes 2 spring-steel mounting clips. U.L. Listed. For 115 volts, 50-60 Hz AC. Shpg. wt., 1 lb.

60 C 9400, Skeleton Fan.....	Each 13.80
60 C 8611, Venturi Fan with Frame, 1 lb.....	Each 14.15
60 C 8610, Grille Fan with Frame, Grille, 1 1/4 lbs.....	Each 15.15
60 C 8612, Filter Fan with Frame, Grille, Filter, 1 1/4 lbs.....	Each 16.90
16 C 2031, Delwyn "Whisper" Fan Kit, Cord, Plug, 2 oz.....	Each 14.85

## LIGHT FEATHER® FAN—270-CFM

- Stainless Steel Bearings
- Draws Only 22 Watts



TYPE 103. Moves large volume of air in limited spaces requiring a shallow fan. Excellent for computer consoles, relay racks, power supplies, heat exchangers, and other devices. Ambient temperature range: —55° to +65° C. Pre-lubricated miniature stainless-steel ball bearings. Fall 270 cfm (free delivery). Clamping rim mounting provides reversible airflow. Tinned brass terminals. High-impact, fungus-proof, two-tone gray Lexan plastic. Only 7" dia. by 2 7/8" deep.

Draws 22 watts. Interchangeable with Saucer Fan. For 115 volts, 50-60 Hz AC. U.L. Listed. Shpg. wt., 2 lbs.

60 C 8593, Type 103 Feather Fan.....	Each 34.00
60 C 8246, Type 124110 Filter 8ox, 1 lb.....	Each 10.15
60 C 8591, Type 14559 Rim-Mount Guard. For rim-mounting Type 103 fan. Provides reversible air flow, 4 oz.....	Each 3.65
60 C 8592, Type 14651 Panel-Mount Guard. For panel mounting Type 103 fan. (Use with Clips below.) 4 oz.....	Each 3.65
60 C 7247, Type 16410 Mounting Clamps. Uses 3. 2 oz.....	Each .05
60 C 7070, Type 14611 Panel-Mount Clip. Uses 3 with each panel-mount guard above, 1 oz.....	Each .15
60 C 9393, Type 16398 Plug and Cord, 2 oz.....	Each .80
60 C 7071, Type 18440 Filtercoat, 3 oz.....	Per Can 1.00

## LIGHTWEIGHT SENTINEL® FAN—100-CFM



- Very Thin, 4 1/16" Square x 1 1/2" Deep
- Pre-lubricated Bearings, No Maintenance
- Ambient Temperature Range to 100° C

Lightweight fan with heavyweight stamina and power. For those ultra-rugged applications where heat and the avoidance of lubrication are major factors. Weighs only 1 pound and measures only 4 1/16" square by 1 1/2" deep, yet delivers 100 cfm at ambient temperatures to 100° C. Provides real powerhouse performance and an exceptionally long, trouble-free life. Meets MIL-E-

4970A. Engineered with every possible feature that allows cool operation at high ambient temperatures. Aluminum heat sink keeps motor cool. Venturi is of high-impact, glass-filled phenolic. Stator is completely encapsulated. Lifetime-lubricated stainless-steel ball bearings. Skeleton, Venturi, Grille, and Filter Fans listed below. For 115 volts, 50-60 Hz AC. U.L. Listed. Shpg. wt., 1 lb.

60 C 8804, Skeleton Fan, For use where only fan and motor are required. Includes fan, motor.....	Each 21.85
60 C 8803, Venturi Fan, For use where fan is to be mounted. Glass-filled phenolic venturi.....	Each 22.75
60 C 8802, Grille Fan, With venturi and grille.....	Each 23.75
60 C 8801, Filter Fan, With venturi, grille, filter.....	Each 25.25

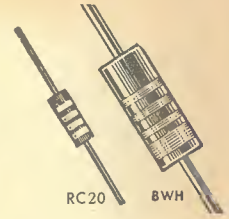
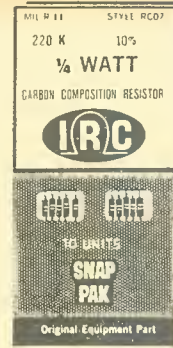


# IRC Carbon and Wirewound Insulated Resistors

## CARBON COMPOSITION AND WIREWOUND RESISTORS

Type RC Fixed Composition Resistors. Choose from 10% (see Table A) or 5% (Table B) tolerances. Engineered to meet or exceed MIL-R-11 specifications. Without 50 to 100% overloads for short periods of time. EIA (RETMA) code for easy identification. Have well-anchored, positive-contact leads with no hot spots. Sizes: RC-1/4, 1/4x3/2"; RC-1/2, 3/4x3/4"; RC-1, 3/8x3/2"; RC-2, 1/2x3/4". Shpg. wt. per 100: 1/4W, 4 oz.; 1/2W, 6 oz.; 1W, 10 oz.; 2W, 14 oz.

Type 8WH-2-Watt Fixed Wirewound. Available in values up to 1800 Ohms. Choose from 10% (Table A) or 5% (Table B) tolerances. Rated at 2-watts up to 158°F ambient temperature; 1-watt at 239°F; and 1/2-watt at 279°F. Manufactured to meet MIL-R-11D specifications. EIA (RETMA) coded for easy identification; wide first band. Inductance, 0.4-4.5 μH from .24-1800 ohms respectively. Same size as 1-watt composition resistors listed above. Shpg. wt. per 100, 10 oz.



**HANDY NEW "SNAP PAK"**  
Resistors can be tested while in package. Added protection, faster identification, 10 resistors per pkg. in 1/4 and 1/2-watt sizes, 5 per pkg. in larger sizes.

### EXPLANATION OF MIL NUMBERS

MIL Numbers. Example: RC07GF-153K. RC designates composition type resistor. 07, 1/4-watt rating. GF, characteristic—ambient temperature. (G) and resistance temperature (F) in reference to MIL-R-11D specification, 153, indicates nominal resistance in ohms—first 2 digits are significant figures, 3rd digit is number of zeros to add. Tolerance—J, ±5%; K, ±10%; M, ±20%.

## 10% INSULATED RC AND BWH TYPES

### TYPE RC 10% FIXED COMPOSITION—SPECIFY VALUES WANTED

Stock No.	Mfr's Type	MIL Equivalent	Watts	Values See Table "A"	EACH	May Be Assorted (Order Each Value in Multiples of 10)				
						EACH				
						10-99	100-499	500-999	1000-2499	2500-4999
45 C 7150 C	RC-1/4	RC07GF	1/4	2.7Ω to 1 meg	1.9	.05	.04	.035	.029	.024
45 C 5000 C	RC-1/2	RC20GF	1/2	2.7Ω to 22 meg	.09	.04	.03	.028	.026	.022
45 C 5020 C	RC-1	RC32GF	1	10Ω to 22 meg	.18	.06	.05	.042	.04	.035
45 C 5070 C	RC-2	RC42GF	2	10Ω to 22 meg	.18	.09	.08	.077	.074	.065

### TYPE BWH 10% 2-WATT FIXED WIREWOUND—SPECIFY VALUES WANTED—TO 1500 OHMS ONLY

Stock No.	Mfr's Type	MIL Equivalent	Watts	Values See Table "A"	EACH	May Be Assorted (Order Each Value in Multiples of 5)				
						EACH				
						5-99	100-499	500-999	1000-2499	2500-4999
45 C 5076 C	BWH		2	10Ω to 8.2Ω	1.4	.10	.07	.064	.058	.057
45 C 5077 C	BWH		2	10Ω to 1500Ω	.18	.10	.07	.064	.058	.057

### TABLE "A"—10% EIA (RETMA) VALUES—SPECIFY RESISTANCE WANTED

Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Megs	Megs	Megs
0.10	0.33	1.0	3.3	10	33	100	330	1000	3300	10K	33K	100K	330K	1.0	3.3	10
0.12	0.39	1.2	3.9	12	39	120	390	1200	3900	12K	39K	120K	390K	1.2	3.9	12
0.15	0.47	1.5	4.7	15	47	150	470	1500	4700	15K	47K	150K	470K	1.5	4.7	15
0.18	0.56	1.8	5.6	18	56	180	560	1800	5600	18K	56K	180K	560K	1.8	5.6	18
0.22	0.68	2.2	6.8	22	68	220	680	2200	6800	22K	68K	220K	680K	2.2	6.8	22
0.27	0.82	2.7	8.2	27	82	270	820	2700	8200	27K	82K	270K	820K	2.7	8.2	27

## 5% INSULATED RC AND BWH TYPES

### TYPE RC 5% FIXED COMPOSITION—SPECIFY VALUES WANTED

Stock No.	Mfr's Type	MIL Equivalent	Watts	Values See Table "B"	EACH	May Be Assorted (Order Each Value in Multiples of 10)				
						EACH				
						10-99	100-499	500-999	1000-2499	2500-4999
45 C 7155 C	RC-1/4	RC07GF	1/4	2.7Ω to 1 meg	1.9	.09	.063	.06	.055	.046
45 C 5005 C	RC-1/2	RC20GF	1/2	2.7Ω to 22 meg	.15	.08	.06	.055	.05	.045
45 C 5025 C	RC-1	RC32GF	1	10Ω to 22 meg	.30	.12	.09	.08	.075	.068
45 C 5045 C	RC-2	RC42GF	2	10Ω to 22 meg	.30	.19	.15	.14	.135	.122

### TYPE BWH 5% 2-WATT FIXED WIREWOUND—SPECIFY VALUES WANTED—TO 1800 OHMS ONLY

Stock No.	Mfr's Type	MIL Equivalent	Watts	Values See Table "B"	EACH	May Be Assorted (Order Each Value in Multiples of 5)				
						EACH				
						5-99	100-499	500-999	1000-2499	2500-4999
45 C 5078 C	BWH		2	10Ω to 9.1Ω	1.4	.19	.14	.129	.12	.115
45 C 5079 C	BWH		2	10Ω to 1500Ω	.30	.19	.14	.129	.12	.115
45 C 5024 C	BWH		2	1600Ω to 1800Ω	.30	.19	.14	.129	.12	.115

### TABLE "B"—5% EIA (RETMA) VALUES—SPECIFY RESISTANCE WANTED

Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Megs	Megs	Megs
0.10	0.39	1.5	5.6	22	82	330	1200	4700	18K	68K	270K	1.0	3.9	15		
0.11	0.43	1.6	6.2	24	91	330	1300	5100	20K	75K	300K	1.1	4.3	16		
0.12	0.47	1.8	6.8	27	100	390	1500	5600	22K	82K	330K	1.2	4.7	18		
0.13	0.51	2.0	7.5	30	110	430	1600	6200	24K	91K	360K	1.3	5.1	20		
0.15	0.56	2.2	8.2	33	120	470	1800	6800	27K	100K	390K	1.5	5.6	22		
0.16	0.62	2.4	9.1	36	130	510	2000	7500	30K	110K	430K	1.6	6.2	24		
0.18	0.68	2.7	10	39	150	560	2200	8200	33K	120K	470K	1.8	6.8	27		
0.20	0.75	3.0	11	43	160	620	2400	9100	36K	130K	501K	2.0	7.5	30		
0.22	0.82	3.3	12	47	180	680	2700	10K	39K	150K	560K	2.2	8.2	33		
0.24	0.91	3.6	13	51	200	750	3000	11K	43K	160K	620K	2.4	9.1	36		
0.27	1.0	3.9	15	56	220	820	3300	12K	47K	180K	680K	2.7	10	39		
0.30	1.1	4.3	16	62	240	910	3600	13K	51K	200K	750K	3.0	11	43		
0.33	1.2	4.7	18	68	270	1000	3900	15K	56K	220K	820K	3.3	12	47		
0.36	1.3	5.1	20	75	300	1100	4300	16K	62K	240K	910K	3.6	13	51		



# IRC Precision 1% Metal-Film Resistors

## CEA AND CCA T-O EVAPORATED METAL-FILM RESISTORS



- Moistureproof Construction
- Temperature Range, -55° to +165°C

- Extremely Low Noise Level
- Rated 1/8 or 1/4 Watt at 125°C

Types CEA T-O, CCA T-O. Precision  $\pm 1\%$  evaporated metal-film resistors with M-coat—a special moisture proofing encapsulation identified by its gray color. All have temperature coefficient characteristics of  $0 \pm 100$  PPM/°C over a temperature span of -55° to +165°C. Very low noise level: 3 sigma of the noise level is below 0.1 microvolt/volt over the audible spectrum.

Voltage coefficient when measured between 1/10 and full rated voltage is less than 5 PPM/volt for all values. Power ratings are based on 125°C ambient. Type CEA T-O is rated 1/8 watt; Type CCA T-O, 1/4 watt. Maximum continuous voltage, 250 volts. Leads are 1 1/2"  $\pm 1/8$ " long, alloy coated; may be dip-soldered. Resistance, tolerance and TC code stamped on each unit. Available in all resistance values listed in table at bottom of page, up to 1 meg. Specify values desired. Shpg. wt. per 100, 10 oz.

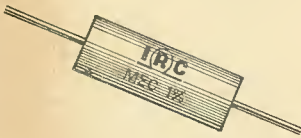
Stock No.	Mfr's Type	MIL Type	Watts	Max. Cont. Volts	Values—See Table "A" Below	EACH ASSORTED		EACH ASSORTED MIN. OF 25 PER VALUE		
						1-24	25-Up	100-249	250-999	1000-9999
45 C 5014 C	CEA T-O	RN55D	1/8	250	10 ohms to 97.6 ohms	1.10	.51	.26	.18	.13
45 C 5016 C	CEA T-O	RN55D	1/8	250	100 ohms to 499K	.94	.44	.21	.14	.11

Stock No.	Mfr's Type	MIL Type	Watts	Max. Cont. Volts	Values—See Table "A" Below	EACH ASSORTED		EACH ASSORTED MIN. OF 25 PER VALUE		
						1-24	25-99	100-249	250-999	1000-9999
45 C 5021 C	CCA T-O	RN60D	1/4	250	10 ohms to 97.6 ohms	1.10	.51	.26	.18	.13
45 C 5022 C	CCA T-O	RN60D	1/4	250	100 ohms to 1 meg	.94	.44	.21	.14	.11

## T-O AND T-2 MOLDED METAL-FILM RESISTORS—MEET MIL-R-10509

MMC, 30.1 Ohms to 100K—ME8, 51.1 Ohms to 1 Meg—MEC, 51.1 Ohms to 1.5 Megs

- Rated 1/2 or 1 Watt
- Excellent Stability and Noise Characteristics



Precision-made, 1% tolerance, molded metal-film resistors. Feature stability and thermal noise characteristics comparable to precision

wirewound resistors; have lower noise and better temperature coefficient than deposited carbon or oxide film types. High temperature plastic case ensures sufficient moisture resistance. Voltage coefficient is less than 5 PPM/volt. Temperature coefficient characteristic of  $0 \pm 100$  PPM/°C over a temperature range of -55°C to +165°C (Type T-2 has temperature coefficient of  $0 \pm 50$  PPM/°C). Type T-O meets MIL-R-10509F specifications; Type T-2 meets MIL-R-10509D. \*Wattage for MIL Characteristic B @ 70°C ambient. †Wattage for Characteristic D (+0.02, -0.05 maximum temperature coefficient %/°C) at 70°C ambient. Meets Characteristic B at 125°C ambient temperature. Available only in values listed in boldface in Table "A" below; 30.1, 31.6, etc. up to 1.50 meg. Specify values desired. Minimum 25 per value, for assorted price. Av. shpg. wt. per 100, 7 oz.

wirewound resistors; have lower noise and better temperature coefficient than deposited carbon or oxide film types. High temperature plastic case ensures sufficient moisture resistance. Voltage coefficient is less than 5 PPM/volt. Temperature coefficient charac-

Stock No.	Mfr's Type	MIL Type	Watts		Max. Cont. Volts	Stock Values—See Table "A" Below	EACH ASSORTED		EACH ASSORTED Minimum 25 Per Value		
			B*	D†			1-24	25-Up	100-249	250-999	1000-9999
45 C 5015 C	MMC-T-O	RN50D	1/8	1/2	200	30.1 ohms to 100K	1.65	.99	.61	.47	.41
45 C 5006 C	MEB-T-O	RN65D	1/4	1/2	350	51.1 ohms to 82.5 ohms	1.10	.51	.26	.18	.13
45 C 5007 C	MEB-T-O	RN65D	1/4	1/2	350	100 ohms to 1 meg	.94	.44	.21	.14	.11
45 C 7151 C	MEB-T-2	RN65C	1/4	1/2	.....	51.1 ohms to 1 meg	1.30	.60	.28	.17	.135
45 C 5009 C	MEC-T-O	RN70D	1/2	1	500	51.1 ohms to 82.5 ohms	1.10	.51	.26	.18	.13
45 C 5011 C	MEC-T-O	RN70D	1/2	1	500	100 ohms to 1.5 meg	.94	.44	.21	.14	.11
45 C 7153 C	MEC-T-2	RN70C	1/2	1	.....	51.1 ohms to 1.5 meg	1.30	.60	.28	.17	.135

## TABLE "A"—MIL-OHM RESISTANCE VALUES AVAILABLE FROM STOCK

Types CEA and CCA T-O available in all values, to 1 meg. Types MMC, MEB and MEC available only in values listed in boldface.

Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms
10.0	22.1	48.7	107	237	523	1150	2550	5620	12.4K	27.4K	60.4K	133K	294K	649K					
10.2	22.6	49.9	110	241	536	1180	2610	5760	12.7K	28K	61.9K	137K	301K	665K					
10.5	23.2	51.1	113	249	549	1210	2670	5900	13K	28.7K	63.4K	140K	309K	681K					
10.7	23.7	52.3	115	255	562	1240	2740	6040	13.3K	29.4K	64.9K	143K	316K	698K					
11.0	24.3	53.6	118	261	576	1270	2800	6190	13.7K	30.1K	66.5K	147K	324K	715K					
11.3	24.9	54.9	121	267	590	1300	2870	6340	14K	30.9K	68.1K	150K	332K	732K					
11.5	25.5	56.2	124	274	604	1330	2940	6490	14.3K	31.6K	69.8K	154K	340K	750K					
11.8	26.1	57.6	127	280	619	1370	3010	6650	14.7K	32.4K	71.5K	158K	348K	768K					
12.1	26.7	59.0	130	287	634	1400	3090	6810	15K	33.2K	73.2K	162K	357K	787K					
12.4	27.4	60.4	133	294	649	1430	3160	6980	15.4K	34K	75K	165K	365K	806K					
12.7	28.0	61.9	137	301	665	1470	3240	7150	15.8K	34.8K	76.8K	169K	374K	825K					
13.0	28.7	63.4	140	309	681	1500	3320	7320	16.2K	35.7K	78.7K	174K	383K	845K					
13.3	29.4	64.9	143	316	698	1540	3400	7500	16.5K	36.5K	80.6K	178K	392K	866K					
13.7	30.1	66.5	147	324	715	1580	3480	7680	16.9K	37.4K	82.5K	182K	402K	887K					
14.0	30.9	68.1	150	332	732	1620	3570	7870	17.4K	38.3K	84.5K	187K	412K	909K					
14.3	31.6	69.8	154	340	750	1650	3650	8060	17.8K	39.2K	86.6K	191K	422K	931K					
14.7	32.4	71.5	158	348	768	1690	3740	8250	18.2K	40.2K	88.7K	196K	432K	953K					
15.0	33.2	73.2	162	357	787	1740	3830	8450	18.7K	41.2K	90.9K	200K	442K	976K					
15.4	34.0	75.0	165	365	806	1780	3920	8660	19.1K	42.2K	93.1K	205K	453K						
15.8	34.8	76.8	169	374	825	1820	4020	8870	19.6K	43.2K	95.3K	210K	464K						
16.2	35.7	78.7	174	383	845	1870	4120	9090	20K	44.2K	97.6K	215K	475K	1.00					
16.5	36.5	80.6	178	392	866	1910	4220	9310	20.5K	45.3K	100K	221K	487K	1.05					
16.9	37.4	82.5	182	402	887	1960	4320	9530	21K	46.4K	102K	226K	499K	1.10					
17.4	38.2	84.5	187	412	909	2000	4420	9760	21.5K	47.5K	105K	232K	511K	1.21					
17.8	39.2	86.6	191	422	931	2050	4530	10K	22.1K	48.7K	107K	237K	523K	1.50					
18.2	40.2	88.7	196	432	953	2100	4640	10.2K	22.6K	49.9K	110K	243K	536K	....					
18.7	41.2	90.9	200	442	976	2150	4750	10.5K	23.2K	51.1K	113K	249K	549K	....					
19.1	42.2	93.1	205	453	1000	2210	4870	10.7K	23.7K	52.3K	115K	255K	562K	....					
19.6	43.2	95.3	210	464	1020	2260	4990	11K	24.3K	53.6K	118K	261K	576K	....					
20.0	44.2	97.6	215	475	1050	2320	5110	11.3K	24.9K	54.9K	121K	267K	590K	....					
20.5	45.3	100	221	487	1070	2370	5230	11.5K	25.5K	56.2K	124K	274K	604K	....					
21.0	46.4	102	226	499	1100	2430	5360	11.8K	26.1K	57.6K	127K	280K	619K	....					
21.5	47.5	105	232	511	1130	2490	5490	12.1K	26.7K	59K	130K	287K	634K	....					



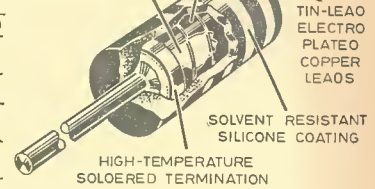
# IRC Metal-Glaze and Power Resistors, Assortments

## IRC LOW-COST METAL-GLAZE 2% AND 5% RESISTORS

Metal-glaze film is up to 100 times thicker than conventional films. Offer excellent temperature coefficients across a wide resistance range. Average resistance changes less than 0.6% after 1000 hours, full load at 70°C. Derated to 0 at 150°C. Av. wt./100, 6 oz.

DIAMOND SPIRALEO  
METAL GLAZE ELEMENT

CERAMIC SUBSTRATE



Features a unique, thick-film resistance element made of glass and special metal alloys, fused to a crystalline ceramic core. Withstands high temperatures and overloads. Meets MIL-R-22684B. Performs better than MIL-R-11 units.

### 2%-TOLERANCE RESISTORS

Stock No.	Mfr's Type	Watts	Stock Values - See Table Below		EACH			
			1-99	100-249	250-999	1000-4999		
45 C 5028 C	RG07	1/4	51 ohms to 150K	.30	.20	.125	.10	
45 C 5029 C	RG20	1/2	51 ohms to 470K	.30	.20	.125	.09	

### 5%-TOLERANCE RESISTORS

45 C 5030 C	RG07	1/4	51 ohms to 150K	.29	.18	.115	.089
45 C 5031 C	RG20	1/2	51 ohms to 470K	.30	.20	.09	.065

### TABLE OF STANDARD RESISTANCE VALUES—SPECIFY VALUES WANTED

Ohm	Ohm	Ohm	Ohm	Ohm	Ohm	Ohm	Ohm	Ohm	Ohm	Ohm	Ohm
51	100	200	390	750	1500	3300	5600	10K	18K	33K	56K
56	110	220	430	820	1600	3600	6200	11K	20K	36K	62K
62	120	240	470	910	1800	3900	6800	12K	22K	39K	68K
68	130	270	510	1000	2000	4300	7500	13K	24K	43K	75K
75	150	300	560	1100	2400	4700	8200	15K	27K	47K	82K
82	160	330	620	1200	2700	5100	9100	16K	30K	51K	91K
91	180	360	680	1300	3000						

### TYPE AS 1% AND 5% POWER RESISTORS

#### 1%—TYPE AS-2 2-WATT (1/2x1/4")

Stock No.	Val. Avail. in Ohms See Table at Right	EACH				
		1-9	10-24	25-49	50-99	100-249
45 C 5867 C	1.0 to 1000	.98	.73	.57	.54	.50
45 C 5868 C	1100 to 4700	1.07	.81	.64	.60	.55
45 C 5869 C	5100 to 10K	1.10	.84	.66	.62	.57
45 C 5870	15K	1.12	.86	.68	.64	.60
45 C 5866 C	16K to 20K	1.19	.90	.72	.67	.63



Miniature wirewound resistors incorporating "Thermocoat"—a solvent-resistant silicone coating formulation with high dielectric strength and heat capabilities. Carry full power even at 125°C ambients, expanding circuit design limits significantly. Welded connections. Meet MIL V (MIL-R-26C). Temperature coefficient less than 20 ppm/°C. Maximum working voltages are 150 volts for Type AS-2, and 400 volts for Type AS-5. Av. wt. 1 oz.

#### 5%—TYPE AS-5 5-WATT (1 1/16x1 1/2")

Stock No.	Val. Avail. in Ohms See Table at Right	EACH				
		1-9	10-24	25-49	50-99	100-249
45 C 5873 C	1.0 to 1000	1.00	.75	.59	.56	.52
45 C 5874 C	1100 to 4700	1.09	.81	.66	.62	.57
45 C 5875 C	5100 to 10K	1.12	.86	.68	.64	.59
45 C 5876	15K	1.14	.88	.70	.66	.62
45 C 5877 C	15K to 20K	1.21	.92	.74	.69	.65
45 C 5878 C	22K to 39K	1.28	.98	.78	.74	.68
45 C 5879	51K	1.39	1.05	.85	.79	.74

Stock No.	Val. Avail. in Ohms See Table Below	EACH				
		1-9	10-24	25-49	50-99	100-249
45 C 6165 C	1.0 to 1000	.48	.41	.37	.33	.28
45 C 6166 C	1100 to 4700	.50	.43	.39	.35	.29
45 C 6167 C	5100 to 10K	.51	.44	.40	.36	.30
45 C 6168	15K	.52	.45	.42	.38	.31
45 C 6169 C	16K to 20K	.54	.46	.43	.39	.33

#### 5%—TYPE AS-5 5-WATT (1 1/16x1 1/2")

Stock No.	Val. Avail. in Ohms See Table at Right	EACH				
		1-9	10-24	25-49	50-99	100-249
45 C 6160 C	1.0 to 1000	.44	.40	.37	.31	.24
45 C 6161 C	1100 to 4700	.47	.43	.36	.34	.27
45 C 6162 C	5100 to 10K	.48	.44	.41	.35	.28
45 C 6163	15K	.52	.45	.42	.38	.31
45 C 6164 C	16K to 20K	.55	.47	.43	.41	.34

### OHM VALUES AVAILABLE FROM STOCK—SPECIFY VALUES

Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms
1.0	4.7	12	33	120	300	820	2400	5600	20K
1.2	5.1	13	39	130	330	910	2700	6200	22K
1.5	5.6	15	51	150	360	1000	3000	6800	27K
2.0	6.2	16	56	160	430	1100	3300	7500	30K
2.2	6.8	18	68	180	510	1500	3600	8200	36K
2.4	7.5	20	75	200	560	1600	3900	10K	39K
2.7	8.2	22	82	220	620	1800	4300	15K	51K
3.0	9.1	24	91	240	680	2000	4700	16K	.....
3.3	10	30	100	270	750	2200	5100	18K	.....

### BALANCED RESISTOR ASSORTMENTS

#### Metal Resist-O-Cabinet FREE with Any Assortment

Resistor Assortment No. 3A. A balanced assortment containing 120 IRC 10%-tolerance molded wirewound and fixed carbon composition resistors. Offer compact size comparable to 1/2-watt and 1-watt sizes, yet rated 2-watts at 70°C ambient temperature. Contains the following values: 7 each 8200, 10K, 22K, 47K; 5 each 1000, 6800, 15K, 100K; 4 each 100, 330, 470, 1500, 2200, 3300, 4700, 27K, 1.0 meg; 3 each 47, 82, 150, 220, 270, 3900, 220K, 470K; 2 each 4.7, 10, 22, 68; 1 each 15, 27, 33, 39. Assortment includes metal Resist-O-Cabinet. Shpg. wt., 4 1/2 lbs.

45 C 6776.....28.80

Resistor Assortment No. 4A. Comprehensive selection containing 150 IRC 10%-tolerance fixed carbon composition resistors rated 1/2-watt at 70°C ambient temperature. Voltage rating: 350V. 1 1/2" solder leads. Assortment contains the following values: 8 each 1000, 47K, 100K, 270K, 470K, 1.0 meg; 7 each 3700, 10K, 22K, 2.2 meg; 5 each 3300, 22K, 27K, 33K, 330K, 4.7 meg; 4 each 100, 1500, 2200, 2700, 56K, 68K, 3.3 meg; 3 each 47, 220, 270, 10 meg. With metal Resist-O-Cabinet. Shpg. wt., 4 1/2 lbs.

45 C 6777.....18.00

Resistor Assortment No. 5A. Assortment contains an extensive stock of IRC 10%-tolerance fixed carbon composition resistors rated 1-watt at 70°C ambient temperature. Voltage rating: 500V. 1 1/2" solder leads. 125 resistance values as follows: 7 each 1000, 10K, 27K, 47K, 100K, 470K, 1.0 meg; 5 each 2200, 4700, 22K; 4 each 33K, 39K, 68K; 3 each 47, 100, 150, 220, 270, 470, 1500, 2700, 3300, 15K, 150K, 220K, 2.2 meg, 4.7 meg. Assortment includes metal IRC Resist-O-Cabinet to keep resistors orderly and easily accessible. Shpg. wt., 4 3/4 lbs.

45 C 6778.....22.50

Sturdy metal Resist-O-Cabinets are free with purchase of any balanced resistor assortment at left and below. Keeps your stocks orderly and easily accessible, with separate compartment for each value. Four non-spill drawers, 28 compartments. Overall: 5 3/8x5 1/2x10 1/2". Blue and silver-color finish.



Assortment No. 6A. Contains 139 IRC precision deposited carbon film and 10%-tolerance resistors rated 1/2-watt, 1-watt and 2-watts. Contains the following resistances with these power ratings: 1/2 watt, 4 each 1000, 47K, 100K, 270K, 470K, 1.0 meg; 3 each 4700, 10K, 220K, 2.2 meg; 2 each 47, 100, 150, 220, 270, 470, 1500, 2200, 2700, 3300, 15K, 22K, 27K, 33K, 39K, 68K, 150K, 4.7 meg, 1 watt, 4 each 1000, 10K, 27K, 100K, 1.0 meg; 3 each 47K, 470K, 2.2 meg; 2 each 3300, 15K, 22K, 68K, 150K, 270K; 1 each: 47, 100, 150, 220, 270, 470, 1500, 2200, 2700, 4700, 33K, 39K, 220K, 4.7 meg. 2 watt, 1 each 47, 100, 470, 2700, 10K, 22K, 47K. Type DCF Resistors, 1% tolerance, rated 1 watt at 40°C. 1 each 1000, 10K, 100K, 1.0 meg and 5.0 meg. With Resist-O-Cabinet. Wt., 5 lbs.

45 C 6779.....23.22

Assortment No. 7A. Balanced inventory of 150 IRC 10%-tolerance fixed carbon composition resistors rated 1/2-watt at 70°C ambient temperature. Voltage rating: 250V. 1 1/2" solder leads. Resistances as follows: 10 each 1000, 4700, 10K; 8 each 2200, 22K, 100K; 6 each 100, 470, 1500, 6800, 15K, 33K, 47K; 5 each 3300, 1.0 meg; 4 each 150, 220, 2700, 3900, 18K; 3 each 47, 270, 680, 27K, 39K, 68K, 220K, 470K. With metal Resist-O-Cabinet. 4 1/4 lbs.

45 C 6775.....19.50



# Ohmite "Little-Devil" Resistors and Assortments



Insulated, molded composition resistors. Choose from 10% or 5% tolerances. Color coded for fast, easy identification; tinned leads for easy soldering. Meet MIL-R-11E specifications. Care-

fully manufactured, can be used at full wattage ratings to 158° F. Breakdown ratings: 1/8 W, 150 V; 1/4 W, 250 V; 1/2 W, 350 V; 1 W, 500 V; 2 W, 750 V. Shpg. wt., per 100, 10 oz.

## 10% RESISTORS—SPECIFY VALUES FROM OHMS TABLE "A" BELOW

Stock No.	Watts	Mil Style	Values—See Table Below	EACH							
				May Be Asstd.			Asstd.—Minimum 100 Per Value				
				1-4	5-49	50-Up	100-249	250-499	500-999	1000-Up	
45 C 6037 C	1/8	RC05GF	2.7 ohms to 2.2 ohms	.27	.22	.18	.156	.134	.123	.116	
45 C 6038 C	1/8	RC05GF	10 ohms to 22 meg	.24	.20	.16	.140	.122	.112	.105	
45 C 6451 C	1/4	RC07GF	2.7 ohms to 8.2 ohms	.14	.12	.077	.055	.055	.044	.037	
45 C 6450 C	1/4	RC07GF	10 ohms to 22 meg	.13	.11	.07	.05	.05	.04	.034	
45 C 6039 C	1/2	RC20GF	1 ohm to 2.2 ohms	.13	.11	.07	.05	.05	.04	.034	
45 C 6040 C	1/2	RC20GF	2.7 ohms to 22 meg	.12	.10	.06	.04	.04	.032	.03	
45 C 6060 C	1	RC42GF	2.7 ohms to 22 meg	.18	.15	.09	.06	.055	.050	.045	
45 C 6080 C	2	RC42GF	10 ohms to 22 meg	.24	.20	.15	.11	.096	.088	.082	

## 5% RESISTORS—SPECIFY VALUES FROM OHMS TABLE "B" BELOW

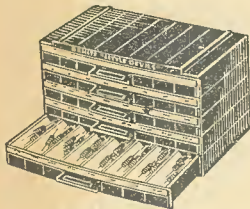
Stock No.	Watts	Mil Style	Values—See Table Below	EACH							
				May Be Asstd.			Asstd.—Minimum 100 Per Value				
				1-4	5-49	50-Up	100-249	250-499	500-999	1000-Up	
45 C 6042 C	1/8	RC05GF	2.7 ohms to 9.1 ohms	.37	.31	.249	.218	.190	.175	.164	
45 C 6043 C	1/8	RC05GF	10 ohms to 22 meg	.34	.28	.226	.198	.173	.159	.149	
45 C 6456 C	1/4	RC07GF	2.7 ohms to 9.1 ohms	.29	.24	.154	.105	.100	.080	.068	
45 C 6455 C	1/4	RC07GF	10 ohms to 22 meg	.26	.22	.14	.095	.091	.073	.062	
45 C 6044 C	1/2	RC20GF	1 ohm to 2.4	.26	.22	.14	.095	.091	.073	.062	
45 C 6045 C	1/2	RC20GF	2.7 ohms to 22 meg	.24	.20	.12	.075	.073	.065	.056	
45 C 6065 C	1	RC32GF	2.7 ohms to 22 meg	.36	.30	.18	.125	.123	.110	.09	
45 C 6085 C	2	RC42GF	10 ohms to 22 meg	.48	.40	.24	.190	.185	.175	.16	

## TABLE "A" 10% TOLERANCE RESISTORS—SPECIFY VALUES WANTED

Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Meg	Meg	Meg
1	2.7	6.8	18	47	120	330	820	2200	5600	15K	39K	100K	270K	680K	1.8	4.7	12
1.2	3.3	B.2	22	56	150	390	1000	2700	6800	18K	47K	120K	330K	820K	2.2	5.6	15
1.5	3.9	10	27	68	180	470	1200	3300	8200	22K	56K	150K	390K	1.0 meg	2.7	6.8	18
1.8	4.7	12	33	82	220	560	1500	3900	10K	27K	68K	180K	470K	1.2 meg	3.3	8.2	22
2.2	5.6	15	39	100	270	680	1800	4700	12K	33K	82K	220K	560K	1.5 meg	3.9	10	..

## TABLE "B" 5% TOLERANCE RESISTORS—SPECIFY VALUES WANTED (Ohms, except \*Megs)

1.0	2.4	5.6	13	33	75	180	430	1000	2400	5600	13K	33K	75K	180K	430K	1.0*	2.4*	5.6*	13*
1.1	2.7	6.2	15	36	82	200	470	1100	2700	6200	15K	36K	82K	200K	470K	1.1*	2.7*	6.2*	15*
1.2	3.0	6.8	16	39	91	220	510	1200	3000	6800	16K	39K	91K	220K	510K	1.2*	3.0*	6.8*	16*
1.3	3.3	7.5	18	43	100	240	560	1300	3300	7500	18K	43K	100K	240K	560K	1.3*	3.3*	7.5*	18*
1.5	3.6	8.2	20	47	110	270	620	1500	3600	8200	20K	47K	110K	270K	620K	1.5*	3.6*	8.2*	20*
1.6	3.9	9.1	22	51	120	300	680	1600	3900	9100	22K	51K	120K	300K	680K	1.6*	3.9*	9.1*	22*
1.8	4.3	10	24	56	130	330	750	1800	4300	10K	24K	56K	130K	330K	750K	1.8*	4.3*	10*	..
2.0	4.7	11	27	62	150	360	820	2000	4700	11K	27K	62K	150K	360K	820K	2.0*	4.7*	11*	..
2.2	5.1	12	30	68	160	390	910	2200	5100	12K	30K	68K	160K	390K	910K	2.2*	5.1*	12*	..



## RESISTOR ASSORTMENTS

Wide selection of industrial and service assortments. In handy plastic cabinets, 4 3/4 x 9 x 5 1/4", with 5 drawers and 40 compartments. CAB-2, 3, 4 and 10. Service assortment, 10% tolerance, 1 cabinet. CAB-25, 26 and 27. Industrial assortment, 10% tolerance, 2 cabinets. CAB-45, 46, 47, and 48. Industrial assortment, 5% tolerance, 4 cabinets.

**CAB-2.** 1 watt. 125 total. 1 each: 10, 15, 27, 47, 100, 150, 270, 330, 470, 680, 1500, 2200, 6800, 33K, 68K, 82K ohms; 22, 33, .68, 1.5, 2.2, 2.7, 3.9, 4.7, 6.8, 10 meg. 3 each: 1000, 2700, 15K ohms. 5 each: 4700, 22K, 39K ohms; .15, meg. 10 each: 10K, 27K, 47K ohms; .10, .27, .47, 1.0 meg.

**45 C 6759.** Shpg. wt., 2 lbs. .... 22.50

**CAB-3.** 2 watts. 125 total. Same quantities and values as above.

**45 C 6762.** Shpg. wt., 2 lbs. .... 30.00

**CAB-4.** 1/2-watt. 150 total. 1 each: 150, 330, 680, ohms; .68, 1.5, 2.2, 2.7, 3.9, 4.7, 6.8, 10.0 meg. 2 each: 82K, ohms. 3 each: 270, 470, 33K, 39K, 68K ohms; .15, .22, .27, .33 meg. 5 each: 47, 100, 1500, 2700, 6800, 10K, 15K, 22K, 27K, 47K ohms; .47 meg. 10 each: 1000, 2200, 4700, 10K ohms; .10, 1.0 meg.

**45 C 6760.** Shpg. wt., 2 1/4 lbs. .... 19.50

**CAB-10.** 1/2 watt. 150 total. As CAB-4, except: 1 each: 10, 15, 27, 47, 1500, 2200, 6800, 82K ohms. 3 each: 2700, 15K ohms; 2.7 meg. 5 each: 1000, 39K ohms; .15 meg. 10 each: 27K ohms, .27 meg.

**45 C 6761.** Shpg. wt., 2 1/4 lbs. .... 18.00

**CAB-25.** 1/4 watt. 1000 total. 5 each: 2.7, 3.3, 3.9, 4.7, 5.6, 6.8, 12, 15, 18, 22, 27, 33, 39, 56, 68, 82, 120, 180, 390, 560, 820, 1000, 1200, 1800, 5600, 39K, 82K ohms; .12, .15, .18, .27, .39, .56, .68, .82, 1.2, 1.5, 1.8, 2.2, 2.7, 3.3, 3.9, 4.7, 5.6, 6.8, 10, 15, 22 meg. 20 each: 10, 47, 150, 220, 330, 470, 680, 1500, 2700, 3900, 8200, 12K, 18K, 27K, 33K, 56K, 68K ohms; .22, .33, .47 meg. 30 each: 100, 270, 2200, 3300, 4700, 6800, 10K, 15K, 22K, 47K ohms; .10, 1 meg.

**45 C 6763.** Shpg. wt., 14 lbs. .... 70.00

**CAB-26.** 1/2-watt. 1000 total. As CAB-25 except: 5 each: 3900, 8200, 15K, 18K ohms. 15 each: 150, 270, 330, 560, 680, 1800, 2700, 6800, 12K, 39K, 56K, 82K ohms; .15, .33, 2.2, 3.3 meg. 20 each: 3300, 5600 ohms; .27 meg. 30 each: 470, 1000 ohms; .47 meg.

**45 C 6764.** Shpg. wt., 14 lbs. .... 60.00

**CAB-27.** 1-watt. 600 total. As CAB-25, except: 5 each: 8200, 12K, 18K, 56K, 68K ohms; .33 meg. 10 each: 2.7, 4.7, 6.8, 10, 15, 22, 27, 33, 47, 100, 150, 220, 270, 330, 390, 470, 560, 680, 1000, 1200, 1500, 2200, 2700, 3300, 3900, 4700, 6800, 10K, 15K, 22K, 27K, 33K, 39K, 47K ohms; .10, .15, .22, .27, .47, .82 meg.

**45 C 6765.** Shpg. wt., 14 lbs. .... 54.00

**CAB-45.** 1/8-watt. 1000 total. 5 each: 2.7, 3.0, 3.3, 3.6, 3.9, 4.7, 5.1, 5.6, 6.8, 7.5, 8.2, 9.1, 11, 12, 15, 16, 18, 20, 22, 24, 27, 30, 33, 36, 39, 43, 56, 62, 68, 75, 82, 91, 110, 120, 130, 150, 160, 200, 240, 270, 300, 330, 360, 390, 430, 510, 560, 620, 680, 750, 820, 910, 1100, 1300, 1600, 1800, 2400, 3000, 3300, 3600, 4300, 5600, 6200, 6800, 7500, 8200, 9100, 11K, 13K, 15K, 16K, 18K, 20K, 22K, 24K, 27K, 30K, 33K, 36K, 39K, 43K, 51K, 56K, 62K, 68K, 75K, 82K, 91K ohms; .11, .12, .13, .15, .16, .18, .20, .22, .24, .27, .30, .33, .36, .39, .43, .47, .51, .56, .62, .68, .75, .82, .91, 1.0, 1.1, 1.2, 1.3, 1.5, 1.6, 1.8, 2.0, 2.2, 2.4, 2.7, 3.0, 3.3, 3.6, 3.9, 4.3, 4.7, 5.1, 5.6, 6.2, 6.8, 7.5, 8.2, 10, 12, 15, 18, 20, 22 meg. 10 each: 47, 51, 220, 470, 1200, 2700, 3900, 5100, 12K, 47K ohms. 20 each: 10, 100, 180, 1000, 1500, 2000, 2200, 4700, 10K ohms; 0.10 meg.

**45 C 6766 U.** Shpg. wt., 28 lbs. .... 225.00

**CAB-46.** 1/4 watt. 1500 total. As CAB-45, except: 5 each: 180 ohms. 10 each: 150, 270, 390, 510, 560, 680, 820, 1500, 2400, 3000, 6200, 18K, 27K, 30K, 39K, 51K, 68K, 82K ohms; .15, .20, .47, 1.5 meg. 25 each: 10, 220, 330, 470, 1200, 1800, 2000, 2700, 3300, 3900, 5100, 5600, 8200, 12K, 20K, 22K, 33K, 47K ohms; 1.0 meg. 30 each: 100, 1000, 2200, 4700, 6800, 10K, 15K ohms; .10 meg. Shpg. wt., 28 lbs.

**45 C 6767 U.** Shpg. wt., 28 lbs. .... 210.00

**CAB-47.** 1/4 watt. 1500 total. As CAB-45, except: 5 each: 47, 180, ohms. 15 each: 27, 51, 150, 200, 220, 270, 330, 390, 510, 560, 620, 1200, 1800, 2700, 3000, 3900, 5100, 5600, 8200, 18K, 20K, 24K, 27K, 39K, 51K, 56K, 68K ohms; .15, .22 meg. 20 each: 75, 470, 6800, 12K, 33K, 47K ohms; .43, 1.0 meg. 30 each: 10, 100, 1000, 2000, 2200, 3300, 4700, 10K, 15K, 22K ohms; .10 meg.

**45 C 6768 U.** Shpg. wt., 28 lbs. .... 180.00

**CAB-48.** 1-watt. 900 total. As CAB-45, except: 5 each: 47, 180, 1500, 2700, 3900, 5100, 12K ohms. 10 each: 10, 100, 150, 200, 270, 330, 510, 680, 1000, 2000, 2200, 4700, 10K, 22K, 47K ohms; 0.1 meg. Shpg. wt., 28 lbs.

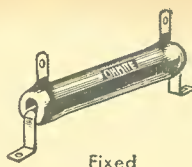
**45 C 6769 U.** Shpg. wt., 28 lbs. .... 160.00



# Power Resistors, TV Fuse Resistors, Thermistors

## OHMITE WIREWOUND POWER RESISTORS

Fixed Types. For use as voltage droppers, bias resistors, and bleeders in applications where resistance need not be varied. Resistance tolerance,  $\pm 5\%$  for values 1 ohm or higher;  $\pm 10\%$  for values below 1 ohm. Adjustable Types. For voltage dividing networks, power supplies—anywhere adjustable resistance is required. Feature fine alloy wire, wound on quality ceramic cores and insulated by vitreous enamel coatings. Tolerance  $\pm 10\%$ . With slider and mounting brackets. Wattage rating applies only when entire resistance is in circuit; with center lug at intermediate point, rating is reduced in same proportion. Wattage ratings are for free air mounting. Specify value when ordering. Av. shpg. wt., 5-50 watts, 4 oz.; 100 watts and up, 1 lb.



Fixed



Adjustable

### FIXED POWER RESISTORS STYLE 270-12—12 WATTS— $1\frac{1}{4} \times \frac{3}{16}''$

Stock No.	Resistance (Ohms)	EACH			
		1-9	10-24	25-99	100-249
45 C 5770 C	.51, 1.0, 1.5, 10, 15, 18, 33, 39, 47, 56, 68, 82, 100, 120, 150, 180, 220, 470, 560, 820, 1000	.60	.51	.42	.36
45 C 5771 C	1200, 1500, 2200, 3300, 3900, 4700	.64	.54	.45	.38
45 C 5772	10K	.74	.63	.52	.44
45 C 5773 C	12K, 15K	.83	.71	.58	.50
45 C 5774	22K	.87	.74	.61	.52
45 C 5775	51K	.98	.83	.69	.59

### STYLE 270-25—25 WATTS— $2 \times \frac{3}{16}''$

Stock No.	Resistance (Ohms)	EACH			
		1-9	10-24	25-99	100-249
45 C 5776 C	1, 2, 3, 4, 5, 10, 15, 25, 50, 75, 100, 150, 200, 250, 500, 750, 800, 1000	.76	.65	.53	.46
45 C 5777 C	1500, 2000, 2500, 3000, 4000, 5000	.79	.67	.55	.47
45 C 5835 C	6000, 7500, 10K	.89	.76	.62	.53
45 C 5778 C	15K, 20K	.95	.81	.67	.57
45 C 5779 C	25K, 30K	1.09	.93	.76	.65
45 C 5780 C	50K, 60K	1.27	1.08	.89	.76
45 C 5781	70K	1.49	1.27	1.04	.89
45 C 5782	100K	1.72	1.46	1.20	1.03

### STYLE 270-50—50 WATTS— $4 \times \frac{3}{16}''$

Stock No.	Resistance (Ohms)	EACH			
		1-9	10-24	25-99	100-249
45 C 5769	1	1.63	1.39	1.14	.98
45 C 5783 C	2, 3, 4, 5, 10, 25, 50, 75, 100, 150, 200, 250, 500, 750, 800, 1000	1.17	.99	.82	.70
45 C 5784 C	1500, 2000, 2500, 5000	1.20	1.02	.84	.72
45 C 5785	10K	1.29	1.10	.90	.77
45 C 5836	20K	1.42	1.21	.99	.85
45 C 5786	25K	1.62	1.38	1.13	.97
45 C 5787	50K	1.81	1.54	1.27	1.09
45 C 5789	100K	2.24	1.90	1.57	1.34

### STYLE 270-100—100 WATTS— $6\frac{1}{2} \times \frac{3}{16}''$

Stock No.	Resistance (Ohms)	EACH			
		1-9	10-24	25-99	100-249
45 C 5768 C	1, 2, 3	2.27	1.93	1.59	1.36
45 C 5795 C	4, 5, 10, 25, 50, 75, 100, 125, 150, 250, 500, 1000	1.62	1.38	1.13	.97
45 C 5796 C	1500, 2000, 2500	1.68	1.43	1.18	1.01
45 C 5797 C	7500, 10K	1.82	1.55	1.27	1.09
45 C 5798	20K	1.96	1.67	1.37	1.18
45 C 5801	50K	2.32	1.97	1.62	1.39
45 C 5803	100K	2.89	2.46	2.02	1.73

### STYLE 270-175—175 WATTS— $8\frac{1}{2} \times 1\frac{1}{16}''$

Stock No.	Resistance (Ohms)	EACH			
		1-9	10-24	25-99	100-249
45 C 5837 C	3, 5	3.35	2.85	2.35	2.01
45 C 5838 C	10, 25, 50, 75, 100, 125, 150	2.39	2.03	1.67	1.43
45 C 5841	10K	2.66	2.26	1.86	1.60
45 C 5845	75K	3.23	2.75	2.26	1.94
45 C 5846	100K	3.42	2.91	2.39	2.05

### STYLE 270-225—225 WATTS— $10\frac{1}{2} \times 1\frac{1}{16}''$

Stock No.	Resistance (Ohms)	EACH			
		1-9	10-24	25-99	100-249
45 C 5847 C	1, 2, 3, 4, 5	3.61	3.07	2.53	2.17
45 C 5848 C	10, 25, 50, 75, 100, 150, 250, 500, 1000	2.58	2.19	1.81	1.55
45 C 5849 C	2000, 2500, 3000, 5000	2.66	2.26	1.86	1.60
45 C 5850	10K	2.85	2.42	2.00	1.71
45 C 5851 C	15K, 20K	3.03	2.58	2.12	1.82
45 C 5853	50K	3.23	2.75	2.26	1.94
45 C 5855	100K	3.63	3.09	2.54	2.18

### DIVIDOHM ADJUSTABLE RESISTORS STYLE 210-12—12 WATTS— $1\frac{1}{4} \times \frac{3}{16}''$

Stock No.	Resistance (Ohms)	EACH			
		1-9	10-24	25-99	100-249
45 C 5804 C	1, 2, 3, 5, 10, 25, 50, 75, 100, 150, 250, 500, 750, 1000	1.20	1.02	.84	.72
45 C 5805 C	1500, 2500, 5000	1.24	1.05	.87	.74
45 C 5806 C	7500, 10K	1.33	1.13	.93	.80

45 C 5764, Extra Slider for 12-Watt Types.....1.5

### STYLE 210-25—25 WATTS— $2 \times \frac{3}{16}''$

Stock No.	Resistance (Ohms)	EACH			
		1-9	10-24	25-99	100-249
45 C 5807 C	1, 3, 5, 10, 15, 25, 50, 75, 100, 250, 500, 750, 1000	1.35	1.15	.95	.81
45 C 5808 C	1500, 2000, 2500, 3000, 5000	1.39	1.18	.97	.83
45 C 5809 C	7500, 10K	1.49	1.27	1.04	.89
45 C 5810 C	15K, 20K	1.54	1.31	1.08	.92
45 C 5811	25K	1.69	1.44	1.18	1.01

### STYLE 210-50—50 WATTS— $4 \times \frac{3}{16}''$

Stock No.	Resistance (Ohms)	EACH			
		1-9	10-24	25-99	100-249
45 C 5812	1	2.23	1.90	1.56	1.34
45 C 5813 C	2, 3, 4, 10, 25, 50, 75, 100, 150, 200, 250, 500, 750, 1000	1.76	1.50	1.23	1.06
45 C 5814 C	1500, 2000, 2500, 5000	1.80	1.53	1.26	1.08
45 C 5815	10K	1.89	1.61	1.32	1.13
45 C 5816 C	15K, 20K	2.02	1.72	1.41	1.21
45 C 5817 C	25K, 30K, 40K	2.22	1.89	1.55	1.33
45 C 5818	50K	2.40	2.04	1.68	1.44
45 C 5819	100K	2.84	2.41	1.99	1.70

### STYLE 210-75—75 WATTS— $6 \times \frac{3}{16}''$

Stock No.	Resistance (Ohms)	EACH			
		1-9	10-24	25-99	100-249
45 C 5856 C	1, 2	2.51	2.13	1.76	1.51
45 C 5857 C	5, 10, 15, 25, 50, 100, 200, 250, 300, 1000	1.96	1.67	1.37	1.18
45 C 5858	2000	2.02	1.72	1.41	1.21

45 C 5765, Extra Slider for 25, 50 and 75-Watt Types.....1.5

### STYLE 210-100—100 WATTS— $6\frac{1}{2} \times \frac{3}{16}''$

Stock No.	Resistance (Ohms)	EACH			
		1-9	10-24	25-99	100-249
45 C 5821 C	1, 2, 3	2.87	2.44	2.01	1.72
45 C 5822 C	4, 5, 10, 25, 50, 100, 250, 500, 1000	2.22	1.89	1.55	1.33
45 C 5823	5000	2.28	1.94	1.60	1.37
45 C 5826 C	25K, 40K	2.84	2.41	1.99	1.70
45 C 5828	100K	3.49	2.97	2.44	2.09

45 C 5766, Extra Slider for 100-Watt Types.....1.5

### STYLE 210-225—225 WATTS— $10\frac{1}{2} \times 1\frac{1}{16}''$

Stock No.	Resistance (Ohms)	EACH			
		1-9	10-24	25-99	100-249
45 C 5829 C	1, 2, 3, 4, 5	4.54	3.86	3.18	2.72
45 C 5830 C	10, 25, 50, 100, 250, 500, 1000	3.51	2.98	2.46	2.11
45 C 5831	5000	3.58	3.04	2.51	2.15
45 C 5832	10K	3.77	3.20	2.64	2.26

45 C 5767, Extra Slider for 225-Watt Types.....2.4

### EXTRA MOUNTING BRACKETS FOR RESISTORS

Designed for mounting fixed and adjustable tubular-core resistors.

Stock No.	Type No.	For Resistor		PKG. OF 100		
		Core O. D.	Watts	1-9	10-24	25-99
45 C 5894	5	$\frac{3}{16}''$	12	1.47	1.25	1.03
45 C 5895	9	$\frac{3}{16}''$	25, 50, 75	1.68	1.43	1.18
45 C 5896	12	$\frac{3}{4}''$	100	3.15	2.68	2.21
45 C 5897	18	$1\frac{1}{8}''$	175, 225	4.20	3.57	2.94

## HAMILTON HALL TV FUSE-RESISTORS

Replace similar units in Raytheon, RCA, Motorola, Sylvania, Zenith and other TV receivers. All units are less than an inch in length; have tinned leads. Wt., 2 oz.



Stock No.	Mfr's Type	Ohms	EACH			
			1-9	10-49	50-99	100-Up
45 C 6021	FR-4.7	4.7	.29	.24	.18	.16
45 C 6022	FR-5.6	5.6	.29	.24	.18	.16
45 C 6023	FR-7.5	7.5	.29	.24	.18	.16
45 C 6025	FR-22	22.0	.29	.24	.18	.16

PL-99R Fuse-Resistor Kit, Has: six 7.5-ohm types, plus one each 4.7, 5.6, 9.0, 22-ohm types. Shpg. wt., 1 lb.

45 C 6026.....1.95

## G-C GLO-BAR THERMISTORS

These reliable thermal resistors are especially designed for series-string filament circuits. Feature stability and fast response at a low cost. Have a large temperature coefficient of resistance. For use in RCA, Admiral, Philco, G.E., Motorola and a variety of other manufacturer's television receivers. An absolutely necessary addition to every serviceman's tube caddy or work bench. Av. shpg. wt., 2 oz.



Stock No.	Mfr's Type	Ohms		Replaces	EACH		
		Hot	Cold		1-9	10-Up	
45 C 6066	25-912	20	250	G.E. RRV051	1.10	1.00	
45 C 6053	25-920	11	600	M'rola 6A73541	1.84	1.67	
45 C 6071	25-928	9	600	RCA 100118	1.22	1.10	

Specify Stock No., Resistance and Wattage When Ordering Resistors

ALLIED 323



# Ohmite Wirewound Rheostats, Potentiometers

## VITREOUS-ENAMELED RHEOSTATS FROM 25 WATTS TO 100 WATTS



Selected wirewound rheostats; all are vitreous enameled (except Types 4200, -1, -2, -3, -4), silicone ceramic. Cannot smoke, char, shrink or shift. Have copper-graphite brushes, except \*silver-graphite brushes. Ratings at full setting. U.L. Component-Program Recog., except, Types H, J and K mount on panels up to 1/2" thick; Dimensions: Type H, 1 3/16" dia., 1 1/4" depth behind panel; J, 2 3/16" dia., 1 3/4" depth; K, 3 3/16" dia., 1 3/4" depth. Less knobs; see knobs, dial plates and coupling kits listed below. Av. shgp. wt., 8 oz.

### 25 WATT—TYPE H

Stock No.	Mfr's Type	Ohms	EACH		
			1-4	5-9	10-24
46 C 7223	0140*	1	5.05	4.29	3.38
46 C 7224	0141	2	5.05	4.29	3.38
46 C 7225	0142	3	5.05	4.29	3.38
46 C 7226	0143	6	5.05	4.29	3.38
46 C 7227	0144	9	5.05	4.29	3.38
46 C 7228	0145	10	5.05	4.29	3.38
46 C 7229	0146	15	4.55	3.87	3.05
46 C 7230	0147	25	4.55	3.87	3.05
46 C 7231	0148	35	4.55	3.87	3.05
46 C 7232	0149	50	4.55	3.87	3.05
46 C 7234	0150	75	4.55	3.87	3.05
46 C 7236	0151	100	4.55	3.87	3.05
46 C 7237	0152	125	4.55	3.87	3.05
46 C 7238	0153	175	4.55	3.87	3.05
46 C 7239	0154	250	4.55	3.87	3.05
46 C 7240	0155	350	4.55	3.87	3.05
46 C 7241	0156	500	4.55	3.87	3.05
46 C 7242	0157	750	4.55	3.87	3.05
46 C 7244	0158	1000	5.05	4.29	3.38
46 C 7245	0159	1500	5.05	4.29	3.38
46 C 7246	0160	2500	5.05	4.29	3.38
46 C 7247	0161	3500	5.05	4.29	3.38
46 C 7248	0162	5000	5.05	4.29	3.38
46 C 7150	4200*	7500	5.05	4.29	3.38
46 C 7151	4201*	10K	5.55	4.72	3.72
46 C 7152	4202*	15K	6.05	5.14	4.05
46 C 7153	4203*	20K	6.80	5.78	4.56
46 C 7154	4204*	25K	7.50	6.38	5.03

### 50 WATT—TYPE J

Stock No.	Mfr's Type	Ohms	EACH		
			1-4	5-9	10-24
46 C 7249	0308*	0.5	5.65	4.80	3.79
46 C 7250	0309*	1	5.65	4.80	3.79
46 C 7251	0310*	2	5.65	4.80	3.79
46 C 7252	0311	4	5.65	4.80	3.79
46 C 7253	0312	6	5.65	4.80	3.79
46 C 7254	0313	8	5.05	4.29	3.38
46 C 7255	0314	12	5.05	4.29	3.38
46 C 7256	0315	16	5.05	4.29	3.38
46 C 7257	0316	22	5.05	4.29	3.38

### DIAL PLATES AND KNOBS

Type 5000 Dial Plate. For Types H, J, and K rheostats, 2 3/8" diameter. Handsomely finished with bright figures and lines on etched black background. With 0-100 scale. Shgp. wt., 2 oz.  
46 C 7945, 1-4..... Each .30 5-9..... Each .26

Type 5150 Knob. Handsomely molded, black bakelite knob with 1 1/2" finger-grip. For use with types H, J and K rheostats (listed above). Shgp. wt., 2 oz.  
46 C 7944, 1-4..... Each .30 5-9..... Each .26 10-24..... Each .20

### "AB" MOLDED COMPOSITION 2-WATT POTENTIOMETERS



CA, CB, CU

CU

CCU Duals

CMU

### STYLE CA, CB, CU

Stock No.	Mfr's Type	Ohms	EACH		
			1-9	10-49	50-149
46 C 1500	CU5001	50	1.95	1.75	1.75
46 C 1501	CU1011	100	1.95	1.75	1.75
46 C 1506	CU1511	150	1.95	1.75	1.75
46 C 1502	CU2511	250	1.95	1.75	1.75
46 C 1507	CU3511	350	1.95	1.75	1.75
46 C 1503	CU5011	500	1.95	1.75	1.75
46 C 1508	CU7511	750	1.95	1.75	1.75
46 C 1504	CU1021	1000	1.95	1.75	1.75
46 C 1509	CU1521	1500	1.95	1.75	1.75
46 C 1505	CU2521	2500	1.95	1.75	1.75
46 C 1600	CU3521	3500	1.95	1.75	1.75
46 C 1506	CU5021	5000	1.95	1.75	1.75
46 C 1601	CU7521	7500	1.95	1.75	1.75
46 C 1507	CU1031	10K	1.95	1.75	1.75
46 C 1508	CU1031	10K	2.25	2.02	2.02
46 C 1602	CU1531	15K	1.95	1.75	1.75
46 C 1509	CU2531	25K	1.95	1.75	1.75
46 C 1610	CU3531	25K	2.25	2.02	2.02
46 C 1603	CU5031	35K	1.95	1.75	1.75
46 C 1511	CU5031	50K	1.95	1.75	1.75

### CMU SLOTTED-SHAFT

46 C 1612	CMU5001	50	1.95	1.75
46 C 1613	CMU1011	100	1.95	1.75
46 C 1614	CMU2511	250	1.95	1.75
46 C 1615	CMU5011	500	1.95	1.75
46 C 1616	CMU1021	1000	1.95	1.75
46 C 1617	CMU2521	2500	1.95	1.75
46 C 1618	CMU5021	5000	1.95	1.75
46 C 1619	CMU1031	10K	1.95	1.75
46 C 1620	CMU2531	25K	1.95	1.75

Stock No.	Mfr's Type	Ohms	EACH		
			1-9	10-49	50-149
46 C 1512	CB5031	50K	2.25	2.02	
46 C 1604	CU7531	75K	1.95	1.75	
46 C 1513	CU1041	100K	1.95	1.75	
46 C 1514	CA1041	100K	2.25	2.02	
46 C 1605	CU1541	150K	1.95	1.75	
46 C 1515	CU2541	250K	1.95	1.75	
46 C 1516	CA2541	250K	2.25	2.02	
46 C 1517	CU3541	350K	1.95	1.75	
46 C 1517	CU5041	500K	1.95	1.75	
46 C 1518	CA5041	500K	2.25	2.02	
46 C 1607	CU7542	750K*	1.95	1.75	
46 C 1519	CU1052	1 meg*	1.95	1.75	
46 C 1520	CA1052	1 meg*	2.25	2.02	
46 C 1608	CU1552	1.5 meg*	1.95	1.75	
46 C 1548	CU2052	2.0 meg*	1.95	1.75	
46 C 1521	CU2552	2.5 meg*	1.95	1.75	
46 C 1522	CA2552	2.5 meg*	2.25	2.02	
46 C 1523	CU3552	3.5 meg*	1.95	1.75	
46 C 1523	CU5052	5 meg*	1.95	1.75	

### TYPES—MIL-R-948

46 C 1621	CMU5031	50K	1.95	1.75
46 C 1622	CMU1041	100K	1.95	1.75
46 C 1623	CMU2541	250K	1.95	1.75
46 C 1624	CMU5041	500K	1.95	1.75
46 C 1625	CMU1052	1 meg*	1.95	1.75
46 C 1626	CMU2052	2 meg*	1.95	1.75
46 C 1627	CMU2552	2.5 meg*	1.95	1.75
46 C 1628	CMU5052	5 meg*	1.95	1.75

## TYPE E 1/2-WATT RHEOSTATS



Compact miniature power rheostats for limited space applications. Smaller than many 1- or 2-watt potentiometers. Rugged, ceramic and metal construction. For high temperature applications; operate at maximum hot spot temperature of 340°C. Resistance tolerance is ±10%. Only 7/8" diameter. Require 1/2" behind panel. 1/2" by 32 threaded bushing 1/2" long. 1/8" diameter shaft, 3/8" long. Knob, listed below. Av. shgp. wt., 2 1/2 oz.

Stock No.	Mfr's Type	Ohms	EACH		
			1-4	5-9	10-24
46 C 7200	0101	1	5.05	4.29	3.38
46 C 7201	0102	2	5.05	4.29	3.38
46 C 7202	0103	3	5.05	4.29	3.38
46 C 7204	0105	5	5.05	4.29	3.38
46 C 7205	0106	10	5.05	4.29	3.38
46 C 7206	0107	15	4.55	3.87	3.05
46 C 7207	0108	25	4.55	3.87	3.05
46 C 7209	0110	50	4.55	3.87	3.05
46 C 7210	0111	75	4.55	3.87	3.05
46 C 7211	0112	100	4.55	3.87	3.05
46 C 7213	0114	175	4.55	3.87	3.05
46 C 7214	0115	250	4.55	3.87	3.05
46 C 7216	0117	500	4.55	3.87	3.05
46 C 7217	0118	750	4.55	3.87	3.05
46 C 7218	0119	1000	5.05	4.29	3.38
46 C 7219	0120	1500	5.05	4.29	3.38
46 C 7220	0121	2500	5.05	4.29	3.38
46 C 7222	0122	3500	5.05	4.55	3.58
46 C 7222	0123	5000	5.05	4.55	3.58
46 C 7155	4190	7500	5.55	4.72	3.72
46 C 7156	4191	10K	6.05	5.14	4.05
46 C 7158	4193	15K	6.05	5.14	4.05

Type 6007 Dial Plate. For Type E, 1 1/4" dia. Has black background. Shgp. wt., 1 oz.  
46 C 7939, 1-4..... Each .30  
6-9..... Each .26 10-24..... Each .20

Type 5151 Knob. 3/4" finger-grip type for Type E rheostats. Shgp. wt., 1 oz.  
46 C 7940, 1-4..... Each .30  
6-9..... Each .26 10-24..... Each .20

### TANDEM COUPLING KIT FOR TYPE E



Type 6591. Consists of a steel "U" frame, mica washer, coupling, Allen wrench, instructions. Max. panel thickness 1/8". Frame 1 1/4" long, 3/4" wide, 2 oz.  
46 C 1595, 1-4..... Ea. 2.20  
6-9 Ea. 1.87 10-24 Ea. 1.48

Single units are 5/16x1 1/2" dia.; double units are 1" x 1 1/2" dia. Mount in 3/8" hole in panels to 1/2" thick. 2" long. 1/4" round shafts except CU, slotted shaft and locking nut; CMU 3/8" slotted shaft. CU, CCU, CMU and CU Types linear taper; CA Types, CW long; CB Types, CCW long. ±10% tolerance, except \*±20%. Av. shgp. wt., 3 1/2 oz.

### CLU LOCKING-SHAFT TYPES—MIL-R-948

Stock No.	Mfr's Type	Ohms	EACH		
			1-9	10-49	50-149
46 C 1525	CLU5001	50	2.55	2.29	
46 C 1526	CLU1011	100	2.55	2.29	
46 C 1527	CLU2511	250	2.55	2.29	
46 C 1528	CLU5011	500	2.55	2.29	
46 C 1529	CLU1021	1000	2.55	2.29	
46 C 1530	CLU2521	2500	2.55	2.29	
46 C 1531	CLU5021	5000	2.55	2.29	
46 C 1532	CLU1031	10K	2.55	2.29	
46 C 1533	CLU2531	25K	2.55	2.29	
46 C 1534	CLU5031	50K	2.55	2.29	
46 C 1535	CLU1041	100K	2.55	2.29	
46 C 1536	CLU2541	250K	2.55	2.29	
46 C 1537	CLU5041	500K	2.55	2.29	
46 C 1538	CLU1052	1 meg*	2.55	2.29	
46 C 1549	CLU2052	2 meg*	2.55	2.29	
46 C 1539	CLU2552	2.5 meg*	2.55	2.29	
46 C 1540	CLU5052	5 meg*	2.55	2.29	

### STYLE CCU DUALS

46 C 1541	CCU1031	10K	5.85	5.26
46 C 1542	CCU2531	25K	5.85	5.26
46 C 1543	CCU5031	50K	5.85	5.26
46 C 1544	CCU1041	100K	5.85	5.26
46 C 1545	CCU2541	250K	5.85	5.26
46 C 1546	CCU5041	500K	5.85	5.26
46 C 1547	CCU1052	1 meg*	5.85	5.26

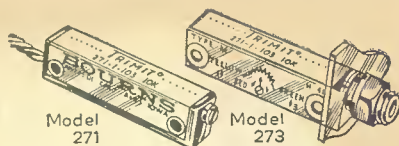


# Potentiometers and Controls

## BOURNS TRIMIT® SUBMINIATURE POTENTIOMETERS

Body is only  $\frac{3}{8} \times \frac{1}{4}$ ". May be stacked. Have 25-turn screwdriver adjustment, zero to full value, with self locking shaft. Power rating is at 25° C. Operating range, -55° to +85° C. Panel mtg. requires .228" hole

with max. thickness, .13". Std. models have two +2 holes on +1 ctrs. Quantity price for one resistance value only. Specify Stock No. and resistance when ordering. Av. shpg. wt., 2 oz.



### ¼-WATT WIREWOUND TYPE. Size $\frac{3}{8} \times \frac{1}{4} \times \frac{1}{8}$ ".

Stock No.	Mfr's Type	Terminal Connections	Mounting	Resistance Values (Ohms) Specify Values Wanted	EACH		
					1-9	10-24	25-49
46 C 7397 C	271	Insulated leads	Standard	50, 100, 200, 500, 1000, 2000, 5000, 10K	3.19	2.95	2.66
46 C 7981	271	Insulated leads	Standard	20K only	4.32	4.00	3.60
46 C 7034 C	271	Insulated leads	Panel	50, 100, 200, 500, 1000, 2000, 5000, 10K	4.00	3.70	3.34
46 C 7062	271	Insulated leads	Panel	20K only	5.13	4.75	4.28
46 C 7398 C	273	Solder lugs	Standard	50, 100, 200, 500, 1000, 2000, 5000, 10K	3.19	2.95	2.66
46 C 7982	273	Solder lugs	Standard	20K only	4.32	4.00	3.60
46 C 7035 C	273	Solder lugs	Panel	50, 100, 200, 500, 1000, 2000, 5000, 10K	4.00	3.70	3.34
46 C 7063	273	Solder lugs	Panel	20K only	5.13	4.75	4.28
46 C 7399 C	275	PC pins	Printed circuit	50, 100, 200, 500, 1000, 2000, 5000, 10K	3.19	2.95	2.66
46 C 7983	275	PC pins	Printed circuit	20K only	4.32	4.00	3.60

## BOURNS 20-TURN MICROMINIATURE E-Z TRIM POTENTIOMETERS

Type 3007. Rugged potentiometer with high temperature scaled plastic case, usable to 175° C. Precision wirewound element. 20-turn screwdriver adjustment. Meet MIL-R-27208B specifications for humidity, vibration and shock.

Power rating, 1 watt at 40° C. Resolution: 1.7% to 0.29%. 50 to 20K. Res. tol. = 10%. Standard PC mounting. Size: .75x.16x.31". 2 oz. Quantity prices in table are for one resistance value only.

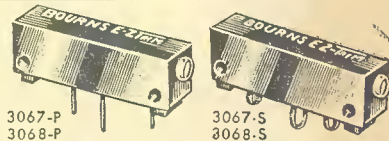


Stock No.	Mfr's Type	Values Available (Ohms)—Specify Values	1-9, EA.	10-24, EA.	25-49, EA.
46 C 7385 C	3007P	50, 100, 200, 500, 1000, 2000, 5000, 10K, 20K	1.75	1.62	1.46

## BOURNS E-Z TRIM® POTENTIOMETERS

Types 3067, 3068. Type 3067 ½-watt 15-turn and 3068 1½-watt 15-turn potentiometers are designed specifically for commercial applications. 3068 has a Resistor® carbon resistance element. 3067 has a precision wirewound element. 15-turn adjustment and self-locking shafts for stable and precise electrical settings. Wipers idle at both ends of travel. \*Printed circuit, pin, & solder lugs. Mtg. ctrs.  $\frac{3}{8}$ ",  $\frac{1}{2}$ "x $\frac{1}{2}$ ". Specify Mfr's Type No. and resistance value when ordering. Av. Shpg. wt., 2 oz.

ment and self-locking shafts for stable and precise electrical settings. Wipers idle at both ends of travel. \*Printed circuit, pin, & solder lugs. Mtg. ctrs.  $\frac{3}{8}$ ",  $\frac{1}{2}$ "x $\frac{1}{2}$ ". Specify Mfr's Type No. and resistance value when ordering. Av. Shpg. wt., 2 oz.



Stock No.	Mfr's Type	Values Available (Ohms)—Specify Values	1-9, EA.	10-24, EA.	25-49, EA.
46 C 7636 C	†3067-S	50, 100, 200, 500, 1000, 2000, 5000, 10K, 20K	1.85	1.71	1.54
46 C 7637 C	*3067-P	50, 100, 200, 500, 1000, 2000, 5000, 10K, 20K	1.85	1.71	1.54
46 C 7638 C	†3068-S	20K, 50K, 100K, 200K, 500K, 750K, 1 meg	1.85	1.71	1.54
46 C 7639 C	*3068-P	20K, 50K, 100K, 200K, 500K, 750K, 1 meg	1.85	1.71	1.54

## MALLORY 3-WATT TV CONTROLS

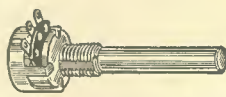
Three-watt wirewound potentiometers designed especially for replacement of television controls. Also excellent for use as voltage dividers and bias controls. In commercial applications. 3068 has a Resistor® carbon resistance element. 3067 has a precision wirewound element. 15-turn adjustment and self-locking shafts for stable and precise electrical settings. Wipers idle at both ends of travel. \*Printed circuit, pin, & solder lugs. Mtg. ctrs.  $\frac{3}{8}$ ",  $\frac{1}{2}$ "x $\frac{1}{2}$ ". Specify Mfr's Type No. and resistance value when ordering. Av. Shpg. wt., 2 oz.



Stock No.	Type	Ohms	EACH	Stock No.	Type	Ohms	EACH
46 C 3835	R20L	20	.93	46 C 3843	R1500L	1500	.93
46 C 3837	R25L	25	.93	46 C 3844	R2500L	2500	.93
46 C 3840	R50L	50	.93	46 C 3846	R3000L	3000	.93
46 C 3864	R100L	100	.93	46 C 3845	R5000L	5000	.93
46 C 3841	R250L	250	.93	46 C 3693	R10ML	10K	1.08
46 C 3834	R500L	500	.93	46 C 3695	R20ML	20K	1.08
46 C 3842	R1000L	1000	.93				

## MALLORY TYPE VW WIREWOUND 5-WATT CONTROLS

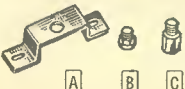
Miniature type. Case size  $\frac{3}{4}$ " in diameter by  $\frac{1}{8}$ " in depth. Bushing:  $\frac{3}{8} \times \frac{3}{8}$ " diameter and length. Has  $\frac{1}{4}$ " plain round shaft,  $2\frac{1}{2}$ " long from mounting surface. Linear taper. Tolerance = 5%. 305° mechanical rotation. 275° electrical rotation. Av. wt., 4 oz.



Stock No.	Type	Ohms	EA.	Stock No.	Type	Ohms	EA.
46 C 1087	VW-1	1	1.38	46 C 1104	VW-250	250	1.38
46 C 1088	VW-2	2	1.38	46 C 1105	VW-300	300	1.38
46 C 1089	VW-3	3	1.38	46 C 1106	VW-400	400	1.38
46 C 1090	VW-5	5	1.38	46 C 1107	VW-500	500	1.38
46 C 1092	VW-8	8	1.38	46 C 1110	VW-1K	1000	1.38
46 C 1093	VW-10	10	1.38	46 C 1111	VW-1P5K	1500	1.44
46 C 1094	VW-15	15	1.38	46 C 1112	VW-2K	2000	1.44
46 C 1095	VW-20	20	1.38	46 C 1113	VW-2P5K	2500	1.44
46 C 1096	VW-25	25	1.38	46 C 1114	VW-3K	3000	1.44
46 C 1097	VW-30	30	1.38	46 C 1115	VW-4K	4000	1.44
46 C 1098	VW-40	40	1.38	46 C 1116	VW-5K	5000	1.44
46 C 1099	VW-50	50	1.38	46 C 1118	VW-10K	10K	1.50
46 C 1100	VW-60	60	1.38	46 C 1119	VW-15K	15K	1.56
46 C 1102	VW-100	100	1.38	46 C 1120	VW-20K	20K	1.56
46 C 1103	VW-200	200	1.38	46 C 1121	VW-25K	25K	1.65

## MALLORY CONTROL MOUNTING ACCESSORIES

Useful accessories for Mallory controls include mounting brackets with adjustable mounting centers, in two sizes; extender that extends body of controls  $\frac{3}{8}$ " away from mounting surface; and bushing adapter for mounting in panels up to  $\frac{1}{4}$ " thick. Av. shpg. wt., 2 oz.



Stock No.	Mfr's Type	Fig.	Description	EACH
46 C 3676	RR249	A	Mtg. bracket, mtg. ctrs. $2\frac{1}{2}$ "	.05
46 C 3675	RR248	A	Mtg. bracket, mtg. ctrs. $1\frac{3}{4}$ "	.05
46 C 3661	EB247	C	Extender	.13
47 C 4092	119	B	$\frac{1}{4}$ " bushing (Pkg. of 5)	.75

## MALLORY SERIES U MIDGETROL CONTROLS

For audio, tone control circuits in home receivers, amplifiers, portables, TV sets and industrial equipment. Available in a full line of resistances, tapers, and taps. Round, hollow shaft—easily cut to desired length. Two spline-shank knob adapters furnished with each Midgetrol. With nut and lock washer.  $\frac{1}{16}$ " dia. brass shaft,  $2\frac{1}{2}$ " long,  $\frac{1}{8}$ " dia. Less switch. Shpg. wt., 3 oz.



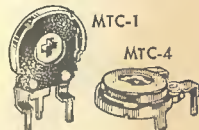
Stock No.	Mfr's Type	Ohms	Taper*	Stock No.	Mfr's Type	Ohms	Taper*
46 C 3714	U-1	100	4	46 C 3763	U-35	50K	4
46 C 3709	U-2	500	4	46 C 3765	U-39	100K	4
46 C 3710	U-4	1K	4	46 C 3767	U-41	100K	4
46 C 3787	U-8	3K	4	46 C 3768	U-42	150K	4
46 C 3751	U-12	5K	1	46 C 3770	U-44	250K	1
46 C 3752	U-14	5K	4	46 C 3772	U-46	250K	4
46 C 3753	U-18	10K	1	46 C 3773	U-48	500K	1
46 C 3755	U-20	10K	4	46 C 3774	U-50	500K	4
46 C 3756	U-21	15K	1	46 C 3776	U-53	1 Meg	1
46 C 3783	U-26	20K	4	46 C 3777	U-54	1 Meg	4
46 C 3712	U-28A	25K	1	46 C 3781	U-56	2 Meg	4
46 C 3760	U-29	25K	4	46 C 3789	U-82	10 Meg	4
46 C 3761	U-33	50K	1				

EACH. \*EXPLANATION OF TAPERS\*

Taper No. 1: Nonlinear. For audio or antenna shunt circuits.  
Taper No. 4: Linear. For voltage control.

## MALLORY MTC MINIATURE TRIMMER CONTROLS

Subminiature potentiometers only  $\frac{1}{2}$ " in diameter. Designed especially for printed circuitry. Also meets need for low wattage, carbon-type variable resistance source. Screwdriver slot adjustable. Rated at  $\frac{1}{4}$  watt. Linear taper. Uses include bias controls where initial setting is usually permanent except for servicing. 270° rotation, 180° with fixed end resistance. Wt., 1 oz.



46 C 3673 C, Type MTC1 for Vertical PC Mounting. Terminals are arranged for stand-up mounting on PC circuitry. Available in resistance values listed in table, below. Specify values from Table "A". Each .39  
46 C 3674 C, Type MTC-4 for Horizontal PC Mounting. Terminals arranged so that control can be mounted flat. Resistance values listed in table, below. Specify values from Table "A". Each .39

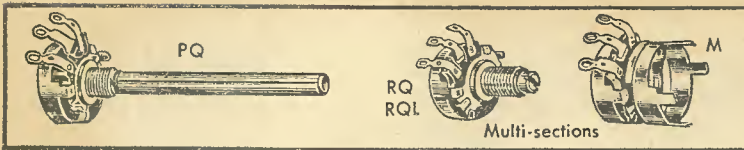
### TABLE "A"—VALUES AVAILABLE FROM STOCK

STANDARD RESISTANCE VALUES—SPECIFY VALUES WANTED										
Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Megs
100	300	1000	3000	6800	20K	100K	250K	500K	1	1
200	500	1500	5000	10K	25K	120K	325K	.....	2	.....
250	750	2000	6000	15K	50K	180K	450K	.....	3	.....



# IRC and Clarostat Controls

## IRC SERIES PQ, RQ, RQL AND M CONTROLS



**EXPLANATION OF TAPERS**  
**Taper A.** Linear curve for uniform resistance change.  
**Taper C.** Left-hand logarithmic taper for audio circuit control.

Smooth carbon base element and "two-finger" wiper arm. Special-purpose controls can be made up by using a Type PQ, RQ or RQL with several M multisections and a Type 76 switch (listed below). Types PQ, RQ and RQL have 3/8" threaded bushing. Body diameter including terminals is 1 1/8" maximum; depth behind panel, 3/16". Each Type M multisection adds 1 1/2" to the depth. PQ types have shaft 3" long, 1/4" diameter. RQ and RQL types have short shaft with screwdriver slot; shaft extends 1/4" beyond threaded bushing. Types RQ and RQL are identical except RQL has split bushing and locking nut—for permanent, vibration-proof settings. Tolerance of all types is ±10%. Tinned terminals. Type PQ, RQ, RQL and M sections feature 300 degree arc of rotation—with or without switch. Power rating is 1/2 watt, 500 volt maximum. Ground plate on Types PQ, RQ, and RQL has 2 locating tabs that may be bent down out of the way, if not needed. Av. shpg. wt., 4 oz.

Mfr's Type	Ohms	Taper	Stock No. PQ	Stock No. RQ	Stock No. RQL	Stock No. M
11-103	500	A	46 C 5510	46 C 5542	46 C 3271	46 C 5592
11-108	1000	A	46 C 5511	46 C 5543	46 C 3272	46 C 5574
11-110	2000	A	46 C 5512	46 C 5544	46 C 3273	46 C 5593
11-112	3000	A	46 C 5513	46 C 5545		
11-114	5000	A	46 C 5514	46 C 5546	46 C 3275	46 C 5575
11-115	7500	A	46 C 5515			
11-116	10K	A	46 C 5516	46 C 5548	46 C 3276	46 C 5576
13-116	10K	C	46 C 5517			
11-119	20K	A	46 C 5519		46 C 3277	
11-120	25K	A	46 C 5520		46 C 3278	46 C 5577
11-123	50K	A	46 C 5523	46 C 5555	46 C 3280	46 C 5578
13-123	50K	C	46 C 5524		46 C 3283	
11-128	100K	A	46 C 5526	46 C 5558	46 C 3282	46 C 5579
13-128	100K	C	46 C 5527			46 C 5580
11-130	250K	A	46 C 5528	46 C 5560	46 C 3284	46 C 5581
13-130	250K	C	46 C 5529			
11-133	500K	A	46 C 5530	46 C 5562	46 C 3286	46 C 5583
13-133	500K	C	46 C 5531	46 C 5563	46 C 3287	46 C 5584
11-137	1.0 meg	A	46 C 5532	46 C 5564	46 C 3288	46 C 5585
13-137	1.0 meg	C	46 C 5533		46 C 3289	
11-139	2.0 meg	A	46 C 5535		46 C 3291	
11-140	3.0 meg	A	46 C 5538	46 C 5570		
13-140	3.0 meg	C	46 C 5539			46 C 5594
11-141	5.0 meg	A	46 C 5540	46 C 5572		
11-143	10.0 meg	A	46 C 5541	46 C 5573		46 C 5590

PQ and RQ Controls..... Each 1.71  
 M Multisections..... Each 1.62  
 RQL Controls..... Each 1.77

### TYPE 76 ATTACHABLE SWITCHES FOR PQ, RQ, RQL, M AND Q CONTROLS

Easily attached to controls listed at left by bending down four metal tabs. Switch housings of arc-resistant material. Terminals hydraulically staked—no openings for solder to run into switch. Silver-plated alloy contacts.

Type 76-4 is make-one, break-one type for CRT spot-killing. Type 76-1 handles up to 5 amps @ 125 V; Type 76-2 is rated 1 amp @ 125 V. Shpg. wt., 2 oz.  
 46 C 5359, Type 76-1, SPST..... Each .75  
 46 C 5591, Type 76-2, DPST..... Each .75  
 46 C 5888, Type 76-4, SPDT..... Each .75

### IRC-CTS Q CONTROLS WITH UNIVERSAL SHAFTS

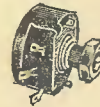


Knurled, flattened and slotted, 3" universal shaft can be cut to desired length. 1 1/8" body dia. 3/8" bushing, 1/4" long. Brass, tinned terminals for easy soldering. To gang, use M multisections, above. Less switches. For switches and explanations of taper see above. Av. shpg. wt., 4 oz.

Stock No.	Mfr's Type	Ohms	Taper	Stock No.	Mfr's Type	Ohms	Taper
46 C 5395	Q11-201	250	A	46 C 5318	Q13-128	100K	C
46 C 5300	Q11-103	500	A	46 C 5374	Q11-129	200K	A
46 C 5301	Q11-108	1000	A	46 C 5319	Q11-130	250K	A
46 C 5442	Q11-109	1500	A	46 C 5320	Q13-130	250K	C
46 C 5302	Q11-110	2000	A	46 C 5322	Q11-133	500K	A
46 C 5373	Q13-111	2500	C	46 C 5323	Q13-133	500K	C
46 C 5303	Q11-112	3000	A	46 C 5325	Q11-137	1 meg	A
46 C 5304	Q11-114	5000	A	46 C 5326	Q13-137	1 meg	C
46 C 5383	Q13-114	5000	C	46 C 5328	Q11-138	1.5 meg	A
46 C 5306	Q11-116	10K	A	46 C 5329	Q11-139	2 meg	A
46 C 5309	Q11-119	20K	C	46 C 5330	Q13-139	2 meg	C
46 C 5311	Q11-120	20K	A	46 C 5331	Q11-239	2.5 meg	A
46 C 5443	Q13-120	25K	C	46 C 5332	Q11-140	3 meg	A
46 C 5314	Q11-123	50K	A	46 C 5334	Q11-141	5 meg	A
46 C 5315	Q13-123	50K	C	46 C 5335	Q11-143	10 meg	A
46 C 5317	Q11-128	100K	A				

EACH..... 1.23

### TYPE WRPL CONTROLS



Locking-type controls with screw-driver slot shaft, 1/4" dia. and approximately 1/2" long from mounting face. With 3/8" locking-type bushing and locking nut. Linear taper. Specify Type and Ohms. Shpg. wt., 4 oz.

Ohms	Ohms	Ohms	Ohms	Ohms
2	25	250	2000	7500
5	30	400	2500	10K
8	50	500	3000	
10	100	750	4000	
20	200	1000	5000	

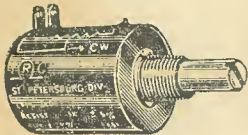
46 C 5859 C..... Each 1.77  
 15K    20K    25K  
 46 C 5889 C..... Each 2.19  
 30K    50K  
 46 C 5890 C..... Each 2.43

### SWITCHES FOR WRPL CONTROLS

46 C 5218, Type 76-11, SPST, 2 oz..... .75  
 46 C 5219, Type 76-12, DPST, 2 oz..... .75

### IRC TYPE 8400 PRECISION 10-TURN POTENTIOMETER

- Hard Gold-Plated Center Terminal Contact
- Rugged Molded Nylon Housing and End Plates



Incorporate the desirable characteristics of multi-turn precision potentiometers in an economical, compact design. Miniature wirewound potentiometer is only 7/8" in diameter and projects only 1 1/8" behind panel. Rugged molded nylon housing and end plates, plus rugged interior for 0.25% independent linearity. Has extra-long 20" precision-drawn alloy wire resistance element, wound on insulated copper core for optimum combination of resolution, temperature coefficient and rotational life.

Features hard gold-plated center terminal contact. Ribbon welded, multi-wire terminals. Stainless-steel shaft with screwdriver slot for versatility of adjustment. Rated 3 watts at 40°C ambient temperature. Tolerance, ±5%. Operating temperature range, -55°C to +125°C. Temperature coefficient, ±70 ppm/°C. Resolution, .070 to .013%. Takes 10g vibration, 55-2000 cycles; 35g shock, 5000, 10K, 20K, 50K, 100K ohms. Shpg. wt., 2 oz.  
 46 C 1741 C 1-9..... Each 7.50  
 10-24..... Each 6.50    25-49..... Each 6.25  
 50-99..... Each 5.95    100-249..... Each 5.50  
 250-499..... Each 5.25

wire resistance element, wound on insulated copper core for optimum combination of resolution, temperature coefficient and rotational life.

### CLAROSTAT SERIES U39 2-WATT WIREWOUND "HUMDINGER" CONTROLS

- For Printed Circuit Board or Above-Chassis Mounting
- Screwdriver Slot Adjustment • Insulated Mounting Plate



Versatile 2-watt wirewound controls. Designed for printed circuit board mounting, or for above-chassis mounting in other applications. All have linear taper. Resistance tolerance is ±20%. Controls do not have shafts; a slot is provided for screwdriver adjustment. Dimensions: 3/4" diameter; 1 1/4" long; 1" mounting centers. With insulated mounting plate. See table at right for available resistances. Av. shpg. wt., 2 oz.

Ohms	Ohms	Ohms	Ohms	Ohms
5	100	300	700	2000
8	125	500	800	3000
50	200	600	1000	4000
75	200	650	1500	5000

Stock No.	Mfr's Type	Ohms (See Table Above)	EACH
46 C 7970 C	U39	5 to 5000	.60



# Sprague Solid Tantalums and Miniature Electrolytics

Allied maintains a complete stock of capacitors for every application. Due to space considerations however, many capacitors that are in stock are not listed in this catalog.

For prompt price and delivery information concerning any capacitor you do not see listed in this catalog, write, wire or phone Allied.

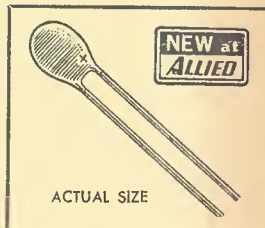
## TYPE 196D SOLID-TANTALUM EPOXY-DIPPED CAPACITORS

- Hard-Insulating Epoxy-Resin Coating
- Resistant to Moisture, Mechanical Damage

- Compact Size for Efficient Mounting
- Long-Life Electro-Tinned Nickel Leads

Dependable, space-saving solid-tantalum capacitors at very low cost. Designed for efficient use in a wide variety of industrial and commercial applications. Special hard-insulating epoxy-resin coating provides high resistance to moisture and mechanical damage, even when operating under severe environmental conditions. Electro-tinned nickel leads provide long-life performance, allow

easy soldering into circuit. Compact size permits efficient mounting, even in tight and hard-to-get-at areas. All have a broad operating temperature range of  $-55^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$ . Maximum dissipation factor is 10%. Standard tolerance of  $\pm 20\%$ . Available in ratings from 4 to 35 WVDC and capacitances from .1 to 330  $\mu\text{F}$ . In table below, size is height x width x thickness. Wt.,  $\frac{1}{2}$  oz.



### 4 WVDC

Stock No.	Type 196D-	$\mu\text{F}$	Size HxWxT	EACH
43 C 6826	336X0004EB	33	.350x.400x.225"	.81
43 C 6827	157X0004FB	150	.450x.450x.250"	1.35

### 6 WVDC

Stock No.	Type 196D-	$\mu\text{F}$	Size HxWxT	EACH
43 C 6828	226X0006EB	22	.350x.400x.225"	.81
43 C 6829	107X0006FB	100	.450x.450x.250"	1.35
43 C 6830	337X0006GB	330	.670x.600x.275"	3.45

### 10 WVDC

Stock No.	Type 196D-	$\mu\text{F}$	Size HxWxT	EACH
43 C 6831	156X0010EB	25	.350x.400x.225"	.81
43 C 6845	686X0010FB	68	.450x.450x.250"	1.35
43 C 6848	227X0010GB	220	.670x.600x.275"	3.45

### 15 WVDC

Stock No.	Type 196D-	$\mu\text{F}$	Size HxWxT	EACH
43 C 6849	106X0015EB	10	.350x.400x.225"	.81
43 C 6850	376X0015FB	33	.450x.450x.250"	1.20
43 C 6851	476X0015FB	47	.450x.450x.250"	1.35
43 C 6853	157X0015GB	150	.670x.600x.275"	3.45

### 20 WVDC

Stock No.	Type 196D-	$\mu\text{F}$	Size HxWxT	EACH
43 C 6854	225X0020EB	2.2	.350x.400x.225"	.81
43 C 6856	475X0020EB	4.7	.350x.400x.225"	.81
43 C 6857	685X0020EB	6.8	.350x.400x.225"	.81
43 C 6858	106X0020FB	10	.450x.450x.250"	.85
43 C 6860	226X0020FB	22	.450x.450x.250"	1.35
43 C 6862	107X0020GB	100	.670x.600x.275"	3.45

### 35 WVDC

Stock No.	Type 196D-	$\mu\text{F}$	Size HxWxT	EACH
43 C 6864	104X0035DB	.1	.400x.250x.200"	.81
43 C 6865	224X0035DB	.22	.400x.250x.200"	.81
43 C 6867	334X0035DB	.33	.400x.250x.200"	.81
43 C 6868	474X0035DB	.47	.400x.250x.200"	.81
43 C 6870	684X0035DB	.68	.400x.250x.200"	.81
43 C 6871	105X0035DB	1.0	.400x.250x.200"	.81
43 C 6872	105X0035EB	1.0	.350x.400x.225"	.81
43 C 6873	153X0035EB	1.5	.350x.400x.225"	.81
43 C 6874	225X0035FB	2.2	.450x.450x.250"	1.00
43 C 6876	335X0035FB	3.3	.450x.450x.250"	1.00
43 C 6896	475X0035FB	4.7	.450x.450x.250"	1.10
43 C 6900	685X0035FB	6.8	.450x.450x.250"	1.10
43 C 6906	276X0035GB	27	.670x.600x.275"	3.45

## TYPE TE (30D) "LITTL-LYTIC" SUBMINIATURE CAPACITORS

Ultra-small electrolytics. Excellent for use in transistor radios, transistor circuits in hearing aids, pocket tape recorders, wireless microphones, and other miniature electronic equipment. Hermetically sealed, aluminum enclosed. All-welded construction—no pres-

sure joints to cause open or intermittent circuits. Extremely low leakage current and long shelf life. Withstand temperatures up to  $85^{\circ}\text{C}$ . Size given in table below is diameter x length. Av. shpg. wt., 2 oz.



**IMPORTANT.** Where capacitance is found in 2 or more voltage ratings with nearly same case size and price, normally only the

higher voltage unit is listed. A higher voltage rating can be substituted for one of lower value provided  $\mu\text{F}$  rating remains equal.

Stock No.	Type TE-	$\mu\text{F}$	WV DC	Size Dia. x L	EA.
43 C 1739	1052.2	5	3	17 $\frac{1}{2}$ x35 $\frac{1}{2}$	.51
43 C 1742	1053	10	3	17 $\frac{1}{2}$ x35 $\frac{1}{2}$	.51
43 C 6028	1055	25	3	17 $\frac{1}{2}$ x35 $\frac{1}{2}$	.51
43 C 1746	1057	40	3	17 $\frac{1}{2}$ x47 $\frac{1}{2}$	.72
43 C 1747	1058	50	3	17 $\frac{1}{2}$ x47 $\frac{1}{2}$	.72
43 C 1748	1059	75	3	21 $\frac{1}{2}$ x47 $\frac{1}{2}$	.75
43 C 1749	1059.5	100	3	21 $\frac{1}{2}$ x47 $\frac{1}{2}$	.81
43 C 1003	1061	150	3	21 $\frac{1}{2}$ x59 $\frac{1}{2}$	.81
43 C 6654	1064	200	3	21 $\frac{1}{2}$ x59 $\frac{1}{2}$	.81
43 C 1004	1065	250	3	25 $\frac{1}{2}$ x59 $\frac{1}{2}$	.81
43 C 6658	1068	500	3	25 $\frac{1}{2}$ x119 $\frac{1}{2}$	.99
43 C 6034	1084	5	6	17 $\frac{1}{2}$ x47 $\frac{1}{2}$	.54
43 C 1750	1085	6	6	17 $\frac{1}{2}$ x47 $\frac{1}{2}$	.54
43 C 6051	1086	8	6	17 $\frac{1}{2}$ x47 $\frac{1}{2}$	.54
43 C 6035	1087	10	6	17 $\frac{1}{2}$ x47 $\frac{1}{2}$	.54
43 C 6037	1089	15	6	17 $\frac{1}{2}$ x47 $\frac{1}{2}$	.54
43 C 1751	1090	20	6	17 $\frac{1}{2}$ x47 $\frac{1}{2}$	.54
43 C 6038	1091	25	6	17 $\frac{1}{2}$ x47 $\frac{1}{2}$	.54
43 C 1752	1093	35	6	17 $\frac{1}{2}$ x47 $\frac{1}{2}$	.57
43 C 1006	1095	40	6	17 $\frac{1}{2}$ x47 $\frac{1}{2}$	.57
43 C 6026	1101	60	6	21 $\frac{1}{2}$ x47 $\frac{1}{2}$	.75
43 C 6659	1101.5	75	6	21 $\frac{1}{2}$ x47 $\frac{1}{2}$	.81
43 C 1753	1102	100	6	21 $\frac{1}{2}$ x47 $\frac{1}{2}$	.81
43 C 1754	1103	150	6	25 $\frac{1}{2}$ x59 $\frac{1}{2}$	.81
43 C 1007	1104	200	6	25 $\frac{1}{2}$ x59 $\frac{1}{2}$	.84
43 C 1008	1105	250	6	25 $\frac{1}{2}$ x59 $\frac{1}{2}$	.87
43 C 6661	1106	300	6	25 $\frac{1}{2}$ x119 $\frac{1}{2}$	.93
43 C 6044	1127	5	12	17 $\frac{1}{2}$ x35 $\frac{1}{2}$	.57
43 C 6045	1128	10	12	17 $\frac{1}{2}$ x35 $\frac{1}{2}$	.57
43 C 1763	1129	15	12	17 $\frac{1}{2}$ x35 $\frac{1}{2}$	.57
43 C 1013	1130	20	12	17 $\frac{1}{2}$ x47 $\frac{1}{2}$	.57
43 C 1765	1131	25	12	17 $\frac{1}{2}$ x47 $\frac{1}{2}$	.75

Stock No.	Type TE-	WV DC	Size Dia. x L	EA.	
43 C 1014	1132	35	12	21 $\frac{1}{2}$ x47 $\frac{1}{2}$	.75
43 C 1767	1133	50	12	21 $\frac{1}{2}$ x47 $\frac{1}{2}$	.81
43 C 1768	1134	75	12	21 $\frac{1}{2}$ x59 $\frac{1}{2}$	.81
43 C 1769	1135	100	12	21 $\frac{1}{2}$ x59 $\frac{1}{2}$	.86
43 C 1771	1137	200	12	25 $\frac{1}{2}$ x119 $\frac{1}{2}$	.91
43 C 1772	1138	250	12	25 $\frac{1}{2}$ x119 $\frac{1}{2}$	.97
43 C 1016	1154	5	15	17 $\frac{1}{2}$ x35 $\frac{1}{2}$	.57
43 C 6624	1132	5	15	17 $\frac{1}{2}$ x35 $\frac{1}{2}$	.57
43 C 1777	1153	6	15	17 $\frac{1}{2}$ x35 $\frac{1}{2}$	.57
43 C 6630	1159	35	15	21 $\frac{1}{2}$ x47 $\frac{1}{2}$	.75
43 C 6625	1155	10	15	17 $\frac{1}{2}$ x35 $\frac{1}{2}$	.57
43 C 6626	1156	15	15	17 $\frac{1}{2}$ x47 $\frac{1}{2}$	.57
43 C 1019	1157	20	15	17 $\frac{1}{2}$ x47 $\frac{1}{2}$	.57
43 C 6628	1157.1	25	15	17 $\frac{1}{2}$ x47 $\frac{1}{2}$	.75
43 C 6629	1158	30	15	21 $\frac{1}{2}$ x47 $\frac{1}{2}$	.75
43 C 1023	1203.5	8	25	17 $\frac{1}{2}$ x35 $\frac{1}{2}$	.60
43 C 6631	1160	50	15	21 $\frac{1}{2}$ x47 $\frac{1}{2}$	.81
43 C 1020	1161	75	15	21 $\frac{1}{2}$ x47 $\frac{1}{2}$	.81
43 C 6633	1162	100	15	25 $\frac{1}{2}$ x59 $\frac{1}{2}$	.81
43 C 6634	1163	150	15	25 $\frac{1}{2}$ x63 $\frac{1}{2}$	.87
43 C 6635	1164	200	15	25 $\frac{1}{2}$ x119 $\frac{1}{2}$	.96
43 C 1779	1200	1	25	17 $\frac{1}{2}$ x35 $\frac{1}{2}$	.54
43 C 1780	1201	2	25	17 $\frac{1}{2}$ x35 $\frac{1}{2}$	.57
43 C 1021	1201.1	3	25	17 $\frac{1}{2}$ x35 $\frac{1}{2}$	.57
43 C 1022	1201.2	4	25	17 $\frac{1}{2}$ x35 $\frac{1}{2}$	.57
43 C 6046	1202	5	25	17 $\frac{1}{2}$ x35 $\frac{1}{2}$	.57
43 C 6047	1203	6	25	17 $\frac{1}{2}$ x35 $\frac{1}{2}$	.60
43 C 6048	1204	16	25	17 $\frac{1}{2}$ x47 $\frac{1}{2}$	.60
43 C 6049	1205	15	25	17 $\frac{1}{2}$ x47 $\frac{1}{2}$	.75
43 C 6637	1207	25	25	21 $\frac{1}{2}$ x47 $\frac{1}{2}$	.81
43 C 6638	1208	35	25	21 $\frac{1}{2}$ x47 $\frac{1}{2}$	.81
43 C 6639	1209	50	25	21 $\frac{1}{2}$ x59 $\frac{1}{2}$	.81

Stock No.	Type TE-	$\mu\text{F}$	WV DC	Size Dia. x L	EA.
43 C 1024	1210	75	25	25 $\frac{1}{2}$ x59 $\frac{1}{2}$	.87
43 C 6641	1211	100	25	25 $\frac{1}{2}$ x63 $\frac{1}{2}$	.90
43 C 1784	1300	1	50	17 $\frac{1}{2}$ x35 $\frac{1}{2}$	.54
43 C 6642	1301	2	50	17 $\frac{1}{2}$ x35 $\frac{1}{2}$	.54
43 C 1785	1302	3	50	17 $\frac{1}{2}$ x35 $\frac{1}{2}$	.57
43 C 6643	1302.1	4	50	17 $\frac{1}{2}$ x35 $\frac{1}{2}$	.57
43 C 1786	1303	5	50	17 $\frac{1}{2}$ x47 $\frac{1}{2}$	.57
43 C 1025	1303.1	6	50	17 $\frac{1}{2}$ x47 $\frac{1}{2}$	.81
43 C 1788	1303.3	8	50	17 $\frac{1}{2}$ x47 $\frac{1}{2}$	.81
43 C 1789	1304	10	50	21 $\frac{1}{2}$ x47 $\frac{1}{2}$	.81
43 C 1790	1304.2	15	50	21 $\frac{1}{2}$ x47 $\frac{1}{2}$	.81
43 C 6644	1305	20	50	21 $\frac{1}{2}$ x47 $\frac{1}{2}$	.81
43 C 6662	1306	35	50	25 $\frac{1}{2}$ x59 $\frac{1}{2}$	.84
43 C 6645	1307	50	50	25 $\frac{1}{2}$ x63 $\frac{1}{2}$	.87
43 C 1026	1400	1	100	17 $\frac{1}{2}$ x35 $\frac{1}{2}$	.81
43 C 1792	1401	2	100	17 $\frac{1}{2}$ x47 $\frac{1}{2}$	.81
43 C 1794	1403	4	100	21 $\frac{1}{2}$ x47 $\frac{1}{2}$	.81
43 C 6646	1404	5	100	21 $\frac{1}{2}$ x47 $\frac{1}{2}$	.81
43 C 1795	1405	6	100	21 $\frac{1}{2}$ x47 $\frac{1}{2}$	.81
43 C 6647	1407	10	100	25 $\frac{1}{2}$ x59 $\frac{1}{2}$	.81
43 C 1028	1408	15	100	25 $\frac{1}{2}$ x63 $\frac{1}{2}$	.84
43 C 6649	1409	20	100	25 $\frac{1}{2}$ x119 $\frac{1}{2}$	.84
43 C 1797	1500	1	150	17 $\frac{1}{2}$ x35 $\frac{1}{2}$	.84
43 C 1798	1501	2	150	17 $\frac{1}{2}$ x47 $\frac{1}{2}$	.84
43 C 1029	1502	3	150	17 $\frac{1}{2}$ x35 $\frac{1}{2}$	.84
43 C 1799	1503	4	150	21 $\frac{1}{2}$ x59 $\frac{1}{2}$	.84
43 C 6651	1504	5	150	21 $\frac{1}{2}$ x59 $\frac{1}{2}$	.84
43 C 1800	1505	6	150	25 $\frac{1}{2}$ x63 $\frac{1}{2}$	.84
43 C 1801	1506	8	150	25 $\frac{1}{2}$ x63 $\frac{1}{2}$	.84
43 C 6652	1507	10	150	25 $\frac{1}{2}$ x63 $\frac{1}{2}$	.84



# Sprague Twist-Lok and Miniature Electrolytics



## TVL "TWIST-LOK" AND PCL "PRINT-LOK" MIDGET CAN CAPACITORS

"Twist-Lok" hermetically sealed aluminum can capacitors. All rated at +85°C. Up to 150 WVDC, tolerance is -10%, +100%; above 150 WVDC, -10%, +50%. Can is common negative.

Terminals welded to cathode. \*PCL "Print-Lok" types fit all printed circuit mountings or std. twist-base mounts. With both phenolic and metal mounting washers.

Size	Dia. x L	Size	Dia. x L	Size	Dia. x L	Size	Dia. x L	Size	Dia. x L	Size	Dia. x L	Size	Dia. x L
A	3/4x2"	C	1x2 1/2"	E	1x3 1/2"	G	1 1/2x3"	J	1 3/8x3 1/2"	L	1 1/2x4 1/2"	N	1 1/2x4 1/2"
B	1x2"	D	1x3"	F	1x4"	H	1 1/8x2 1/2"	K	1 1/8x3 1/2"	M	1x1 1/2"	P	1x1 3/4"

### SINGLE SECTION Av. shpg. wt., 1 lb.

Stock No.	Capacity $\mu$ F	WV DC	TVL*PCL Type	Size	EACH	Stock No.	Capacity $\mu$ F	WV DC	TVL*PCL Type	Size	EACH	Stock No.	Capacity $\mu$ F	WV DC	TVL*PCL Type	Size	EACH
43C 9620	225	15	1160	A	1.05	43C 9351	200	150	1431	G	1.47	43C 9337	250	300	1590	J	3.30
43C 9364	1000	15	1165	M	1.53	43C 9064	200	150	1431	D	1.47	43C 9329	40	350	1621	B	2.33
43C 9365	2000	15	1168	G	2.07	43C 9352	300	150	1434	G	1.68	43C 9332	125	350	1638	H	2.37
43C 9366	3000	15	1170	G	2.55	43C 9065	125	200	1470	C	1.68	43C 9333	150	350	1642	H	2.37
43C 9603	4000	15	1173	K	2.25	43C 9067	150	200	1471	D	1.68	43C 9083	250	350	1644	K	2.94
43C 9362	500	25	1220	M	1.53	43C 9343	160	200	1473	G	1.89	43C 9084	320	350	1645	K	3.45
43C 9363	1000	25	1230	G	2.13	43C 9341	150	250	1540	G	1.86	43C 9314	10	450	1705	M	1.98
43C 9357	100	50	1317	A	.99	43C 9342	200	250	1547	H	2.19	43C 9316	20	450	1714	B	1.03
43C 9604	200	50	1324	B	1.20	43C 9068	200	200	1475	G	1.89	43C 9317	30	450	1720	J	1.17
43C 9359	1500	50	1338	H	2.25	43C 9069	500	200	1490	H	2.19	43C 9324	40	450	1725	C	1.23
43C 9360	1500	50	1341	H	2.64	43C 9071	20	250	1509	M	.96	43C 9325	50	450	1728	C	1.41
43C 9062	50	150	1415	M	.99	43C 9073	150	250	1539	H	1.86	43C 9326	80	450	1735	H	1.83
43C 9346	100	150	1422	M	1.20	43C 9074	160	250	1541	H	1.86	43C 9327	100	450	1750	H	2.07
43C 9063	120	150	1425	B	1.29	43C 9076	160	250	1541.1	F	1.86	43C 9328	125	450	1760	J	2.31
43C 9606	120	150	1426	H	1.29	43C 9077	80	300	1573	C	1.53	43C 9308	20	500	1943	C	1.11
43C 9348	140	150	1428	C	1.29	43C 9080	100	300	1578	C	1.74	43C 9310	40	500	1950	C	1.50
43C 9349	150	150	1429	D	1.29	43C 9081	125	300	1580	H	2.10	43C 9085	80	500	1958	H	2.16
43C 9350	150	150	1430	G	1.29	43C 9336	150	300	1584	K	2.10	43C 9312	90	500	1960	J	2.10

### DUAL SECTION Av. shpg. wt., 1 1/2 lbs.

Stock No.	Capacity $\mu$ F	WV DC	TVL*PCL Type	Size	EACH	Stock No.	Capacity $\mu$ F	WV DC	TVL*PCL Type	Size	EACH	Stock No.	Capacity $\mu$ F	WV DC	TVL*PCL Type	Size	EACH
43C 9120	1000-1000	15	2160	C	2.64	43C 9397	30-30	350	2628	C	1.74	43C 9382	40-20	450	2762	G	1.95
43C 9117	100-100	50	2326	M	1.26	43C 9093	80-80	350	2635	H	2.82	43C 9383	40-50	450	2764	J	2.07
43C 9102	40-40	150	2428	M	1.14	43C 9639	100-60	350	2639	K	2.88	43C 9384	50-40	450	2767	J	2.31
43C 9104	50-30	150	*2432	B	1.20	43C 9398	100-100	350	2641	J	3.69	43C 9386	60-60	450	2772	J	2.70
43C 9105	50-50	150	2435	M	1.29	43C 9094	160-10	350	2643	J	2.58	43C 9387	80-10	450	2776	J	2.16
43C 9107	80-40	150	2442	G	1.38	43C 9095	200-200	350	2645.5	N	3.72	43C 9389	80-40	450	2778	K	3.03
43C 9114	200-5	150	2444	G	1.62	43C 9641	80-80	400-200	2636	K	2.37	43C 9110	10-10	450	2785	K	1.76
43C 9403	40-40	250	2520	D	1.50	43C 9096	80-170	450	2711	J	3.09	43C 9111	80-80	450	2779	K	2.73
43C 9404	150-150	250	2532	L	3.09	43C 9100	80-160	450-250	2722.7	H	2.31	43C 9112	80-160	475-250	2808	N	3.30
43C 9636	200-200	250	2538	L	3.63	43C 9100	80-250	450-250	2722.8	N	3.45	43C 9113	20-100	475-400	2813	J	2.73
43C 9090	80-80	300	2585	H	2.43	43C 9101	80-2	450-350	2738.5	H	2.01	43C 9369	20-20	500	2935	G	1.71
43C 9092	150-100	300	2591	J	3.24	43C 9376	10-10	450	2750	B	1.14	43C 9370	30-100	500	2937	H	1.95
43C 9395	15-15	350	2625	B	1.35	43C 9109	30-10	450	2757	C	1.44	43C 9371	40-40	500	2940	H	2.58
43C 9396	20-20	350	2626	B	1.38	43C 9109	20-20	450	2755	C	1.53	43C 9372	60-40	500	2944	K	2.76

### TRIPLE SECTION Av. shpg. wt., 1 1/2 lbs.

Stock No.	Capacity $\mu$ F	WV DC	TVL*PCL Type	Size	EACH	Stock No.	Capacity $\mu$ F	WV DC	TVL*PCL Type	Size	EACH	Stock No.	Capacity $\mu$ F	WV DC	TVL*PCL Type	Size	EACH
43C 9186	40-20-20	150	3437	M	1.44	43C 9123	20-20-20	350-25	3635	B	1.74	43C 9178	10-80-80	400-450	3775.7	N	3.57
43C 9187	40-40-20	150	3438	B	1.50	43C 9812	30-20-20	350-350-25	3636	B	1.80	43C 9129	10-10-10	450	3776	B	1.56
43C 9188	40-40-20	150	3440	P	1.56	43C 9134	100-60-20	350-200	3632	L	3.03	43C 9179	15-15-15	450	3778.2	C	1.86
43C 9190	50-50-50	150	3442	B	1.80	43C 9820	60-60-60	350	3642	K	3.33	43C 9131	20-10-10	450	3779	D	1.74
43C 9191	60-40-20	150	3444	P	1.65	43C 9140	80-40-100	400-50	3683	J	3.00	43C 9132	20-20-20	450	3780	G	2.16
43C 9116	80-40-20	150	3444	B	1.74	43C 9618	80-40-150	400-400-50	3684	L	3.15	43C 9136	40-40-10	450	3785	H	2.49
43C 9194	200-100-60	150	3450	H	2.73	43C 9163	100-10-80	400-400-350	3689.3	K	3.66	43C 9137	40-40-20	450	3786	H	2.67
43C 9627	250-200-10	150	3453	L	2.85	43C 9141	100-30-20	400	3697	K	3.30	43C 9138	40-40-40	450	3787	J	2.94
43C 9184	60-200-140	200-150-150	3461.4	J	2.88	43C 9153	20-160-40	450-250-150	3711.3	K	2.91	43C 9139	50-20-4	450	3787.5	J	2.25
43C 9644	60-5-20	200-200-50	3467	C	1.50	43C 9159	50-10-160	450-350-250	3719.4	N	4.74	43C 9180	60-20-20	450	3789	J	2.76
43C 9118	250-200-10	200	3490	L	3.99	43C 9160	20-20-20	450-450-25	3739	D	1.83	43C 9151	80-40-20	450	3793	B	3.24
43C 9700	20-20-20	250	3532	P	1.56	43C 9161	40-20-40	450-450-25	3744	H	2.34	43C 9182	10-4-10	475-350-50	3806.6	B	1.59
43C 9119	125-60-40	300-50	3574.6	L	3.12	43C 9168	80-65-50	450-50	3757	C	2.88	43C 9124	40-40-100	500-500-200	3935	L	3.48
43C 9615	60-200-30	350-150-150	3608.6	J	3.00	43C 9157	80-20-100	450-450-50	3757	K	2.88	43C 9122	30-20-20	500	3956	J	2.52
43C 9811	125-5-100	350-200-75	3610	J	3.18												

### FOUR SECTION Av. shpg. wt., 1 1/2 lbs.

Stock No.	Capacity $\mu$ F	WVDC	TVL		EACH	Stock No.	Capacity $\mu$ F	WVDC	TVL		EACH	Stock No.	Capacity $\mu$ F	WVDC	TVL		EACH
			Type	Size					Type	Size					Type	Size	
43C 9091	60-40-20-200	150-150-150-10	4414	G	2.07	43C 9300	10-140-100-20	450-350-300	4705.9	K	4.53	43C 9099	40-10-40-30	150	4414	G	2.58
43C 9079	200-200-60-30	175	4441	G	1.98	43C 9301	50-20-4-40	450-150-25	4712.9	G	2.88	43C 9828	10-20-140-30	300-150-150-150	4559	G	3.33
43C 9828	200-200-60-30	175	4450	K	3.33	43C 9305	50-40-4-40	450-150-25	4712.10	J	3.33	43C 9831	100-10-200-30	300-300-150-150	4561	K	3.54
43C 9831	10-20-140-30	300-150-150-150	4559	G	3.06	43C 9313	80-30-20-50	450-250-50	4714.2	J	3.33	43C 9072	100-10-200-30	300-150-150-150	4561	K	3.54
43C 9072	100-10-200-30	300-150-150-150	4561	K	3.54	43C 9318	30-20-160-40	450-230-150	4714.7	K	3.54	43C 9196	140-10-200-30	300-150	4561.3	L	3.75
43C 9196	140-10-200-30	300-150	4561.3	L	3.75	43C 9319	30-50-100-250	450-250-50	4714.5	K	3.57	43C 9833	150-30-30-150	300-300-300-50	4574	L	3.99
43C 9833	150-																



# Sprague Capacitors and Assortments

## "ORANGE DROP" CAPACITORS "MYLAR"-PAPER

Compact dual dielectric "Orange Drops" combine best features of Mylar and special capacitor tissue. Rock-hard case with space-saving radial leads. Double-dipped in orange epoxy resin for protection from excessive heat and humidity. Outer foil leads identified by black striping. Temperature range, -40°C to +80°C; can operate to 125°C with proper voltage derating. Tolerance, ±10%. Shpg. wt., 2 oz.



## "BLACK BEAUTY" "MYLAR" PAPER TELECAPS



Molded tubular capacitors built to withstand high heat and humidity. Impregnated Mylar/paper dielectric will not leak. 200 to 1600 volt types operate to 105°C without derating; 6000 volt up, to 85°C. 6000 volt types are oil impregnated. ±10%. Wt., 3 oz.

## TYPE AB MOTOR-STARTING CAPACITORS



Electrolytic capacitors for replacement in 110-volt AC capacitor-start motors. Intermittent duty. Hermetically sealed aluminum can with insulating cardboard for protection against moisture, dirt, grease. Lug terminals. Screws removable for solder connections. \*Minimum and maximum capacitance values replaceable with these units. Type AB-1109 is for 1/2-hp motors; AB-1110, 1/6 hp; AB-1113 and AB-1116, 1/4 hp; AB-1125, 1/2 hp; AB-1131, 1/2 hp; AB-1146, 3/4 and 1 hp. Shpg. wt., 10 oz.

### TYPE 225P RECTANGULAR

Size, height by thickness. 4/64" long, except \*3/4", 1 1/8".

Stock No.	Mfr's Type	μF	VV DC	Size Inches	EA.
43 C 3570	1549R75	.15*	75	3/8 x 2 1/4	.21
43 C 3571	2249R75	.22*	75	3/8 x 2 1/4	.27
43 C 3572	3349R75	.33*	75	3/8 x 3 1/4	.33
43 C 3573	4749R75	.47*	75	3/8 x 3 1/2	.39
43 C 3574	6849R75	.68†	75	3/8 x 3 1/2	.54
43 C 3575	1059R75	1.01†	75	3/8 x 4 1/4	.66
43 C 3576	10291	.001	100	3/16 x 1 3/4	.15
43 C 3577	15291	.0015	100	3/16 x 1 3/4	.15
43 C 3578	22291	.0022	100	3/16 x 1 3/4	.15
43 C 3579	33291	.0033	100	3/16 x 1 3/4	.15
43 C 3580	47291	.0047	100	3/16 x 1 3/4	.15
43 C 3581	68291	.0068	100	3/16 x 1 3/4	.15
43 C 3582	10391	.01	100	3/16 x 1 3/4	.15
43 C 3630	15391	.015	100	3/16 x 1 3/4	.15
43 C 3600	22391	.022	100	3/16 x 1 3/4	.15
43 C 3601	33391	.033	100	3/16 x 1 3/4	.15
43 C 3603	39391	.039	100	1/16 x 2 1/4	.15
43 C 3605	47391	.047	100	1/16 x 2 1/4	.15
43 C 3608	56391	.056	100	3/8 x 3/2	.18
43 C 3609	68391	.068	100	3/8 x 3/2	.18
43 C 3611	82391	.082	100	3/8 x 3/2	.18
43 C 3618	10491	.1	100	3/8 x 3/2	.18

### TYPE 220P TUBULAR

43 C 3017	2PS-S20	.02	200	3/8 x 7/8	.15
43 C 3018	2PS-S47	.047	200	3/8 x 7/8	.15
43 C 3019	2PS-S50	.05	200	3/8 x 7/8	.15
43 C 3020	2PS-P10	.1	200	3/8 x 1 1/4	.21
43 C 3138	2PS-P20	.2	200	3/8 x 1 1/4	.24
43 C 3021	2PS-P25	.25	200	3/8 x 1 1/4	.24
43 C 7917	2PS-P33	.33	200	3/8 x 1 1/4	.30
43 C 7912	2PS-P47	.47	200	3/8 x 1 1/4	.36
43 C 3022	2PS-P50	.5	200	3/8 x 1 1/4	.36
43 C 3023	4PS-S10	.01	400	1/2 x 2 1/4	.15
43 C 3024	4PS-S20	.02	400	1/2 x 2 1/4	.15
43 C 3026	4PS-S47	.047	400	1/2 x 2 1/4	.18
43 C 3027	4PS-S50	.05	400	1/2 x 2 1/4	.18
43 C 7911	4PS-S68	.068	400	3/8 x 1 3/4	.21
43 C 3028	4PS-P10	.1	400	3/8 x 1 3/4	.21
43 C 3029	4PS-P20	.2	400	1/2 x 2 1/4	.27
43 C 3030	4PS-P22	.22	400	3/8 x 1 3/4	.27
43 C 3031	4PS-P25	.25	400	3/8 x 1 3/4	.30
43 C 3032	6PS-D10	.001	600	3/4 x 1 1/4	.15
43 C 3033	6PS-D15	.0015	600	3/4 x 1 1/4	.15
43 C 3034	6PS-D20	.002	600	3/4 x 1 1/4	.15
43 C 7926	6PS-D25	.0025	600	3/4 x 1 1/4	.15
43 C 7914	6PS-D33	.0033	600	3/4 x 1 1/4	.15
43 C 7928	6PS-D39	.0039	600	3/8 x 1 1/4	.15
43 C 3043	6PS-D47	.0047	600	3/4 x 1 1/4	.15
43 C 3049	6PS-D50	.005	600	3/4 x 1 1/4	.15
43 C 7929	6PS-D56	.0056	600	3/4 x 1 1/4	.15
43 C 3051	6PS-D68	.0068	600	1/2 x 2 1/4	.15
43 C 7930	6PS-D82	.0082	600	3/8 x 7/8	.18
43 C 3052	6PS-S10	.01	600	3/4 x 1 1/4	.18
43 C 3053	6PS-S15	.015	600	3/4 x 1 1/4	.18
43 C 3054	6PS-S20	.02	600	3/4 x 1 1/4	.18
43 C 3055	6PS-S22	.022	600	3/4 x 1 1/4	.18
43 C 7901	6PS-S25	.025	600	1/2 x 2 1/4	.21
43 C 7935	6PS-S33	.033	600	1/2 x 2 1/4	.21
43 C 7936	6PS-S39	.039	600	3/8 x 1 3/4	.24
43 C 3058	6PS-S47	.047	600	1/2 x 2 1/4	.24
43 C 3059	6PS-S50	.05	600	1/2 x 2 1/4	.24
43 C 7904	6PS-S60	.056	600	3/8 x 1 3/4	.24
43 C 7905	6PS-S68	.068	600	3/8 x 1 3/4	.27
43 C 3143	6PS-S82	.082	600	3/8 x 1 3/4	.27
43 C 3060	6PS-P10	.1	600	5/8 x 1 1/2	.27
43 C 7913	6PS-P15	.15	600	3/8 x 1 3/4	.30
43 C 3061	6PS-P20	.2	600	3/8 x 1 3/4	.39
43 C 7908	6PS-P22	.22	600	2 3/4 x 1 1/2	.42
43 C 3062	6PS-P25	.25	600	3/8 x 1 3/4	.45
43 C 3063	10PS-D10	.001	1000	2 3/4 x 1 1/2	.30
43 C 3067	10PS-D50	.005	1000	1 1/2 x 2 1/4	.30

Stock No.	Mfr's Type	μF	VV OC	Size Dia.	EA.
43 C 5119	2TM-S10	.01	200	3/16 x 1"	.18
43 C 5120	2TM-S20	.02	200	3/16 x 1"	.18
43 C 5149	2TM-S47	.047	200	3/16 x 1 1/4"	.21
43 C 5121	2TM-S50	.05	200	3/16 x 1 1/4"	.21
43 C 5122	2TM-P10	.1	200	3/16 x 1 1/4"	.21
43 C 5145	2TM-P15	.15	200	3/16 x 1 1/4"	.24
43 C 5146	2TM-P22	.22	200	3/16 x 1 1/4"	.33
43 C 5147	2TM-P25	.25	200	3/16 x 1 1/4"	.36
43 C 5148	2TM-P47	.47	200	3/16 x 1 1/4"	.42
43 C 5123	2TM-P50	.5	200	3/16 x 1 1/4"	.75
43 C 5124	2TM-M1	1.0	200	3/8 x 2 1/4"	1.05
43 C 5118	4TM-M10	.001	400	3/16 x 1"	.18
43 C 5117	4TM-M50	.005	400	3/16 x 1"	.18
43 C 5125	4TM-S10	.01	400	3/16 x 1 1/4"	.18
43 C 5001	4TM-S15	.015	400	3/16 x 1 1/4"	.18
43 C 5126	4TM-S20	.02	400	3/16 x 1 1/4"	.18
43 C 5002	4TM-S25	.025	400	3/16 x 1 1/4"	.21
43 C 5014	4TM-S47	.047	400	3/16 x 1 1/4"	.21
43 C 5127	4TM-S50	.05	400	3/16 x 1 1/4"	.24
43 C 5128	4TM-P10	.1	400	3/16 x 1 1/4"	.24
43 C 5011	4TM-P15	.15	400	3/16 x 1 1/4"	.33
43 C 5521	4TM-P20	.2	400	3/16 x 1 1/4"	.36
43 C 5012	4TM-P22	.22	400	3/16 x 1 1/4"	.36
43 C 5129	4TM-P25	.25	400	3/16 x 1 1/4"	.54
43 C 5005	4TM-P47	.47	400	3/8 x 2 1/4"	.63
43 C 5010	4TM-P50	.5	400	3/8 x 2 1/4"	.75
43 C 5009	4TM-M1	1.0	400	1 1/2 x 2 1/2"	1.26
43 C 6250	6TM-T10	.0001	600	3/16 x 1"	.18
43 C 6251	6TM-T20	.00025	600	3/16 x 1"	.18
43 C 6253	6TM-T50	.0005	600	3/16 x 1"	.18
43 C 5070	6TM-O10	.001	600	3/16 x 1"	.18
43 C 5084	6TM-O15	.0015	600	3/16 x 1"	.18
43 C 5071	6TM-O20	.002	600	3/16 x 1"	.18
43 C 5095	6TM-O25	.0025	600	3/16 x 1"	.18
43 C 5072	6TM-O30	.003	600	3/16 x 1"	.18
43 C 5073	6TM-O40	.004	600	3/16 x 1 1/4"	.18
43 C 5093	6TM-O47	.0047	600	3/16 x 1 1/4"	.18
43 C 5074	6TM-O50	.005	600	3/16 x 1 1/4"	.21
43 C 6254	6TM-D68	.0068	600	3/16 x 1 1/4"	.21
43 C 5076	6TM-S10	.01	600	3/16 x 1 1/4"	.18
43 C 5094	6TM-S15	.015	600	3/16 x 1 1/4"	.21
43 C 5077	6TM-S20	.02	600	3/16 x 1 1/4"	.21
43 C 6255	6TM-S22	.022	600	3/16 x 1 1/4"	.21
43 C 5096	6TM-S25	.025	600	3/16 x 1 1/4"	.21
43 C 5078	6TM-S30	.03	600	3/16 x 1 1/4"	.21
43 C 5079	6TM-S40	.04	600	1/2 x 1 1/2"	.24
43 C 5098	6TM-S47	.047	600	3/16 x 1 1/4"	.24
43 C 5080	6TM-S50	.05	600	3/16 x 1 1/4"	.27
43 C 5081	6TM-S60	.06	600	3/16 x 1 1/4"	.27
43 C 5007	6TM-S68	.068	600	3/16 x 1 1/4"	.27
43 C 5082	6TM-P10	.1	600	3/16 x 1 3/8"	.33
43 C 5524	6TM-P15	.15	600	3/16 x 1 3/8"	.45
43 C 5525	6TM-P20	.2	600	3/16 x 1 3/8"	.60
43 C 5008	6TM-P22	.22	600	3/16 x 1 3/8"	.60
43 C 5083	6TM-P25	.25	600	3/16 x 1 3/8"	1.02
43 C 6260	6TM-P50	.5	600	1 1/2 x 2 1/2"	1.05
43 C 6261	6TM-M1	1.0	600	1 1/2 x 2 1/2"	1.38
43 C 5928	10TM-T50	.0005	1000	3/16 x 1"	.30
43 C 5929	10TM-O10	.001	1000	3/16 x 1"	.35
43 C 5936	10TM-D50	.005	1000	3/16 x 1 1/4"	.35
43 C 5938	10TM-S10	.01	1000	3/16 x 1 1/4"	.35
43 C 5945	10TM-S50	.05	1000	3/16 x 1 1/4"	.60
43 C 5947	10TM-P10	.1	1000	3/16 x 1 1/4"	.95
43 C 5019	MB-D1	.001	1600	3/16 x 1 1/4"	.21
43 C 5161	MB-O5	.005	1600	3/16 x 1 1/4"	.30
43 C 5166	MB-S1	.01	1600	3/16 x 1 1/4"	.39
43 C 5168	MB-S2	.02	1600	3/16 x 1 1/4"	.45
43 C 6277	MB-S3	.03	1600	3/16 x 1 1/4"	.63
43 C 6278	MB-S4	.04	1600	3/16 x 1 1/4"	.69
43 C 6281	MB-S5	.05	1600	3/16 x 1 1/4"	.93
43 C 5850	TVM-356	.0005	6000	3/16 x 1 1/4"	.81
43 C 5851	TVM-216	.001	6000	3/16 x 1 1/4"	.81
43 C 5852	TVM-256	.005	6000	1 1/2 x 2 1/4"	.81
43 C 5853	TVM-351	.0005	10000	1 1/2 x 2 1/4"	.90

SIZE TABLE			
From AB-	To AB-	Dia.	Lgth.
1104	1122	1 1/8"	2 3/4"
1125	1130	1 1/8"	3 3/4"
1131	1149	1 3/8"	3 3/4"
1152	1161	2 1/8"	4 3/8"

Stock No.	Type	μF	EA
43 C 5529	AB-1104	38-46	.76
43 C 5530	AB-1105	43-53	.76
43 C 5531	AB-1107	53-64	.77
43 C 5532	AB-1108	64-77	.81
43 C 5533	AB-1109	72-88	.83
43 C 5534	AB-1110	88-108	.78
43 C 5535	AB-1113	108-130	.86
43 C 5536	AB-1116	124-149	.89
43 C 5537	AB-1119	130-156	.89
43 C 5538	AB-1122	145-175	.96
43 C 5539	AB-1125	161-193	.98
43 C 5540	AB-1128	189-227	1.13
43 C 5541	AB-1130	200-240	1.17
43 C 5542	AB-1131	215-259	1.22
43 C 5543	AB-1134	233-280	1.35
43 C 5544	AB-1137	243-292	1.41
43 C 5545	AB-1140	270-324	1.43
43 C 5546	AB-1142	324-388	1.62
43 C 5547	AB-1143	340-408	1.67
43 C 5548	AB-1146	378-440	1.80
43 C 5549	AB-1149	400-480	1.82
43 C 5550	AB-1152	430-516	2.09
43 C 5552	AB-1158	560-648	2.45
43 C 5553	AB-1161	590-708	2.66

## CAPACITOR ASSORTMENTS WITH HIGH-IMPACT PLASTIC JOB TRAYS

Get This Handy Job-Troy FREE With Either of the Capac



# Electrolytic Capacitors and Hardware

## SPRAGUE 36D "POWERLYTIC" ELECTROLYTICS



Computer quality. Low effective series resistance, leakage currents. Extremely long life. Withstand MIL conditions including -55°C to +85°C storage. Aluminum can in molded cover. 1/2" term, tapped for 10-32 screws. Temp. -20° to +85°C. Tol. 3 to 50 WVDC, -10%, +75%; 51 to 450 WVDC, -10%, +50%. 1 1/2 lbs.

### \*CAPACITOR SIZE CHART

* Dia. x Lgth.	* Dia. x Lgth.
A 1 1/4 x 2 1/2"	E 2 1/2 x 4 1/2"
B 1 1/2 x 3 1/2"	F 2 3/4 x 4 1/2"
C 1 3/4 x 4 1/2"	G 3 1/4 x 4 1/2"
D 2 1/4 x 3 1/2"	

Stock No.	Type 36D	2A	µF	WV DC	* EACH
43 C 5023	602G010AA	6000	10	A	1.85
43 C 5025	123G010AB	12000	10	B	2.23
43 C 5032	462G015AA	46000	15	A	1.85

Low series resistance, leakage current. Temp. -20°C to +85°C. Tol. 3 to 50 WVDC, -10%, +75%; 150 to 450 WVDC, -10%, +50%. 2 1/2" leads. Av. shpg. wt. 4 oz.

### \*CAPACITOR SIZE CHART

* Dia. x Lgth.	* Dia. x Lgth.
A 1/2 x 1 1/4"	K 1/2 x 1 1/4"
B 1/2 x 1 1/2"	L 1/2 x 2 1/4"
C 1/2 x 2 1/4"	M 1/2 x 2 3/4"
D 1/2 x 3 1/4"	N 1/2 x 3 1/4"
E 1/2 x 4 1/4"	O 1/2 x 4 1/4"
F 1/2 x 2 3/4"	P 1/2 x 2 3/4"
G 1/2 x 1 1/2"	Q 1/2 x 3 1/4"
H 1/2 x 1 3/4"	R 1/2 x 3 3/4"
I 1/2 x 2 1/4"	
J 1/2 x 2 3/4"	

Stock No.	Type 39D	µF	WV DC	* EACH
43 C 6484	138G003EL4	1300	3	K 1.67
43 C 6485	218G003HE4	2100	3	C 1.74
43 C 6487	578G003GP4	5700	3	J 2.01
43 C 6488	109G003HS4	10000	3	N 2.52
43 C 6490	607G006EJ4	6000	6	B 1.62

Stock No.	Type 36D	2A	µF	WV DC	* EACH
43 C 5156	922G015AB	9200	15	B	2.58
43 C 5154	133G015AC	13000	15	C	2.24
43 C 5035	213G015BB	21000	15	D	3.45
43 C 5041	272G025AA	2700	25	A	1.85
43 C 5042	552G025AB	5500	25	B	2.24
43 C 5050	822G025AC	8200	25	C	2.59
43 C 5051	183G025BC	18000	25	F	4.18
43 C 5058	256G040AC	2500	40	C	2.60
43 C 5059	842G040BB	8400	40	D	3.50
43 C 5063	132G050AA	13000	50	A	1.86
43 C 5064	262G050AB	2600	50	B	2.26
43 C 5065	392G050AC	3900	50	C	2.61
43 C 5066	602G050BB	6000	50	D	3.52
43 C 5067	902G050BC	9000	50	E	4.27
43 C 5068	153G050CC	15000	50	F	6.24
43 C 5069	223G050DC	22000	50	G	8.09
43 C 5085	252F075AC	2500	75	C	2.62
43 C 5086	392F075BB	3900	75	D	3.53
43 C 5087	592F075BC	5900	75	E	4.28
43 C 5091	451F100AA	4500	100	A	1.86
43 C 5097	132F100AC	1300	100	C	2.60
43 C 5099	302F100BC	3000	100	E	4.24

Stock No.	Type 36D	2A	µF	WV DC	* EACH
43 C 5100	532F100CC	5300	100	F	6.22
43 C 5102	301F150AA	300	150	A	1.86
43 C 5103	901F150AC	900	150	C	2.58
43 C 5104	142F150BB	1400	150	D	3.45
43 C 5105	212F150BC	2100	150	E	4.18
43 C 5107	532F150DC	5300	150	G	8.42
43 C 5109	251F200AA	250	200	A	1.85
43 C 5110	431F200AB	430	200	B	2.22
43 C 5111	641F200AC	640	200	C	2.56
43 C 5112	142F200BC	1400	200	E	4.11
43 C 5116	531F250AC	530	250	C	2.55
43 C 5130	122F250BC	1200	250	E	4.09
43 C 5131	302F250CC	3000	250	G	8.19
43 C 5133	241F300AB	240	300	B	2.20
43 C 5134	821F300BC	820	300	E	4.07
43 C 5136	950F350AA	95	350	A	1.84
43 C 5137	191F350AB	190	350	B	2.17
43 C 5138	421F350BB	420	350	D	3.17
43 C 5144	500F450AA	50	450	A	1.80
43 C 5150	141F450AC	140	450	C	2.51
43 C 5151	321F450BB	320	450	D	3.23
43 C 5152	331F450BC	330	450	E	3.99

## SPRAGUE 39D "POWERLYTIC" ELECTROLYTICS

Stock No.	Type 39D	µF	WV DC	* EACH
43 C 6491	108G006GE4	1000	6	G 1.68
43 C 6492	208G006GJ4	2000	6	H 1.79
43 C 6493	408G006GK4	4000	6	I 2.01
43 C 6496	507G010EJ4	500	10	B 1.62
43 C 6497	108G010FJ4	1000	10	D 1.71
43 C 6498	168G010FL4	1600	10	E 1.77
43 C 6499	258G010GL4	2500	10	I 1.95
43 C 6504	607G015EL4	600	15	C 1.67
43 C 6505	128G015FL4	1200	15	E 1.77
43 C 6507	258G015GP4	2500	15	J 2.01
43 C 6509	408G015JL4	4000	15	B 2.43
43 C 6511	207G025FJ4	200	25	F 1.62
43 C 6512	507G025HF4	500	25	N 1.74
43 C 6513	108G025GL4	1000	25	I 1.95
43 C 6514	228G025HP4	2200	25	M 2.07
43 C 6515	408G025JT4	4000	25	S 3.15
43 C 6516	756G030EF4	750	30	A 1.59
43 C 6517	157G030EJ4	150	30	B 1.62
43 C 6518	257G030EL4	250	30	C 1.67
43 C 6519	507G030FL4	500	30	E 1.77
43 C 6521	118G030GP4	1100	30	J 2.01
43 C 6524	218G030HS4	2100	30	N 2.52

Stock No.	Type 39D	µF	WV DC	* EACH
43 C 6528	107G050EJ4	100	50	C 1.62
43 C 6529	157G050FL4	150	50	B 1.67
43 C 6531	257G050HE4	250	50	K 1.74
43 C 6534	507G050GL4	500	50	I 1.95
43 C 6534	118G050HP3	1100	50	M 2.07
43 C 6537	238G050JF4	2300	50	S 3.15
43 C 6538	256F150EJ4	25	150	B 1.62
43 C 6539	506F150FJ4	50	150	D 1.71
43 C 6540	107F150FP4	100	150	F 1.92
43 C 6541	257F150HP4	250	150	M 2.07
43 C 6543	206F250FL4	20	250	C 1.67
43 C 6544	506F250JF4	50	250	O 1.89
43 C 6545	107F250HL4	100	250	L 2.08
43 C 6547	207F250IP4	200	250	P 2.58
43 C 6549	206F350FL4	20	350	E 1.77
43 C 6550	306F350FP4	30	350	F 1.92
43 C 6551	406F350GL4	40	350	I 1.95
43 C 6553	506F350GP4	50	350	J 2.01
43 C 6554	107F350HS4	100	350	N 2.52
43 C 6556	507F450EL4	5	450	C 1.67
43 C 6558	106F450FL4	10	450	E 1.77
43 C 6561	206F450GL4	20	450	I 1.95
43 C 6563	506F450JP4	50	450	O 2.58

## MALLORY TYPE MTV ALUMINUM ELECTROLYTIC CAPACITORS



Molded tubular in moisture-tight plastic case. 3 molded standoff mounts for PC boards. ±20 AWG leads, spaced .200". Temp. range, -30° to +65°C continuous; to +85°C intermittent. 1000 hour life test at 65°C. Capacity tol. ±10%. ±100% at 25°C, 120 Hz. Case size indicated in Mfr's type. See table at right. Av. shpg. wt., 1 oz.

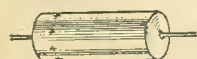
Stock No.	Type MTV-	µF	WV DC	EACH
43 C 2664	1000DN3	1000	3	.60
43 C 2665	1000B6	100	6	.42
43 C 2669	400DE6	400	6	.48
43 C 2670	500D16	500	10	.54
43 C 2672	70CB10	70	10	.42
43 C 2673	100CD10	100	10	.42
43 C 2675	250CP10	250	10	.48
43 C 2676	300DE10	300	10	.54
43 C 2677	400DJ10	400	10	.56
43 C 2679	50CB15	50	15	.42
43 C 2682	90CD15	90	15	.42
43 C 2683	100CF15	100	15	.42

Stock No.	Type MTV-	µF	WV DC	EACH
43 C 2686	250DE15	250	15	.54
43 C 2687	400DJ15	400	15	.60
43 C 2688	500DN15	500	15	.60
43 C 2690	50CJ25	50	25	.42
43 C 2693	100CP25	100	25	.60
43 C 2694	200DJ25	200	25	.60
43 C 2695	250DN25	250	25	.60
43 C 2697	50CF35	50	35	.48
43 C 2699	100DF35	100	35	.54
43 C 2701	200DN35	200	35	.60
43 C 2702	1CB50	1	50	.40
43 C 2703	2CB50	2	50	.40

Case	Dia. x L.	Case	Dia. x L.	Case	Dia. x L.
CB	3/8 x 1 1/8"	CP	3/8 x 1 1/8"	DN	1/2 x 1 1/2"
CD	3/8 x 1 1/8"	CE	3/8 x 1 1/8"		
CF	3/8 x 1 1/8"	DJ	1/2 x 1 1/4"		

Stock No.	Type MTV-	µF	WV DC	EACH
43 C 2704	3CB50	3	50	.40
43 C 2705	4CB50	4	50	.40
43 C 2706	5CB50	5	50	.40
43 C 2707	6CB50	6	50	.40
43 C 2710	10CB50	10	50	.42
43 C 2711	15CD50	15	50	.40
43 C 2712	20CD50	20	50	.42
43 C 2715	25CF50	25	50	.48
43 C 2750	50DE50	50	50	.48
43 C 2752	100DN50	100	50	.60

## MALLORY TYPE MTA TUBULAR ALUMINUM ELECTROLYTICS



Special precision molding process ensures case uniformity, higher than average quality. Polypropylene case for humidity protection. Welded construction. Temp. range, -20°C to +65°C. Cap. tol., -10%, +100%. 2 oz.

### CASE SIZES

*Code Letter	Size Dia. x Length
A	3/8 x 3/4"
B	1/2 x 1 1/8"
C	

Stock No.	Type MTA-	µF	WV DC	Size*	EACH
43 C 0405	60D3	60	3	B	.36
43 C 0406	175E3	175	3	B	.45
43 C 0407	600F3	600	3	C	.45
43 C 0408	50D6	50	6	A	.36
43 C 0409	125E6	125	6	B	.40
43 C 0410	150F6	150	6	B	.40

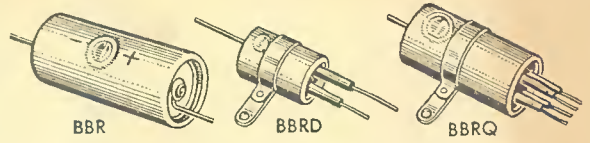
Stock No.	Type MTA-	µF	WV DC	Size*	EACH
43 C 0411	450F6	450	6	C	.51
43 C 0412	500F6	500	6	C	.51
43 C 0413	40D10	40	10	A	.36



# Cornell-Dubilier and Mallory Capacitors

## CORNELL-DUBILIER "BLUE BEAVER" TUBULAR ELECTROLYTICS

Tubular electrolytic capacitors specifically designed for service replacement applications. Especially popular for cramped space installations in TV receivers, hearing aids, miniature radios and other small assemblies. All are hermetically sealed in aluminum cans for protection against heat and humidity, and have cardboard outer sleeves. All have a common negative terminal which is grounded to the can. Rated for operation up to +85°C, except 500 volt types which are rated for temperatures up to +65°C. Av. shpg. wt., 6 oz.



BR/BBR SINGLE SECTION					
Stock No.	Type	µF	VV	Size, In.	E.A.
43 C 9203	25-6	25	6	3/8x1 1/4	.51
43 C 9204	50-6	50	6	3/8x1 1/4	.57
43 C 9205	100-6	100	6	3/8x1 1/4	.72
43 C 9206	250-6	250	6	1/2x1 1/4	.81
43 C 9207	500-6	500	6	1/2x1 1/4	.93
43 C 9286	1000-6	1000	6	5/8x1 1/4	1.14
43 C 9287	2000-6	2000	6	1/2x2	1.38
43 C 9207	100-15	100	15	1/2x1 1/4	.75
43 C 9272	250-15	250	15	1/2x1 1/4	.93
43 C 9273	500-15	500	15	1/2x1 1/4	1.05
43 C 9274	1000-15	1000	15	5/8x1 1/4	1.38
43 C 9284	2000-15	2000	15	1/2x2	1.92
43 C 9216	10-25	10	25	3/8x1 1/4	.60
43 C 9217	20-25	20	25	3/8x1 1/4	.60
43 C 9218	25-25	25	25	3/8x1 1/4	.60
43 C 9219	50-25	50	25	1/2x1 1/4	.66
43 C 9208	100-25	100	25	1/2x1 1/4	.82
43 C 9270	250-25	250	25	1/2x1 1/4	1.02
43 C 9271	500-25	500	25	1/2x1 1/4	1.38
43 C 9222	5-50	5	50	3/8x1 1/4	.60
43 C 9223	10-50	10	50	3/8x1 1/4	.60
43 C 9224	25-50	25	50	3/8x1 1/4	.63
43 C 9147	100-50	100	50	1/2x1 1/4	.84
43 C 9148	150-50	150	50	3/4x1 1/4	.93
43 C 9149	250-50	250	50	3/4x1 1/4	1.05
43 C 9269	500-50	500	50	7/8x1 1/4	1.44
43 C 9146	16-150	16	150	3/8x1 1/4	.60
43 C 9249	8-150	8	150	3/8x1 1/4	.63
43 C 9226	10-150	10	150	1/2x1 1/4	.66
43 C 9247	12-150	12	150	1/2x1 1/4	.63
43 C 9248	16-150	16	150	1/2x1 1/4	.69
43 C 9225	20-150	20	150	1/2x1 1/4	.72
43 C 9145	25-150	25	150	3/4x1 1/4	.75
43 C 9045	30-150	30	150	3/4x1 1/4	.78
43 C 9046	40-150	40	150	3/4x1 1/4	.81
43 C 9047	50-150	50	150	3/4x1 1/4	.84
43 C 9048	60-150	60	150	3/4x1 1/4	.90
43 C 9039	80-150	80	150	7/8x1 1/4	.96
43 C 9056	100-150	100	150	1/2x2	1.05
43 C 9057	150-150	150	150	1x2 3/4	1.14
43 C 9542	200-150	200	150	1x3	1.32
43 C 9543	300-150	300	150	1x3 3/4	1.77
43 C 9227	4-250	4	250	1/2x1 1/4	.60

BR/BBR SINGLE SECTION (Cont'd)					
Stock No.	Type	µF	VV	Size In.	E.A.
43 C 9228	8-250	8	250	3/4x1 1/4	.69
43 C 9229	12-250	12	250	1/2x1 1/4	.75
43 C 9033	16-250	16	250	3/4x1 1/4	.78
43 C 9034	20-250	20	250	3/4x1 1/4	.81
43 C 9142	30-250	30	250	3/4x1 1/4	.87
43 C 9035	40-250	40	250	3/4x2	.93
43 C 9143	50-250	50	250	7/8x1 1/4	1.02
43 C 9144	60-250	60	250	1x1 1/4	1.08
43 C 9021	4-350	4	350	3/8x1 1/4	.63
43 C 9020	8-350	8	350	3/8x1 1/4	.72
43 C 9022	12-350	12	350	3/8x1 1/4	.78
43 C 9023	16-350	16	350	3/8x1 1/4	.84
43 C 9018	20-350	20	350	3/8x1 1/4	.87
43 C 9019	30-350	30	350	3/4x2	.99
43 C 9026	40-350	40	350	3/4x2	1.05
43 C 9544	60-350	60	350	1x2	1.17
43 C 9545	80-350	80	350	1x3	1.26
43 C 9546	100-350	100	350	1x3	1.53
43 C 9008	1-450	1	450	3/8x1 1/4	.66
43 C 9009	2-450	2	450	3/8x1 1/4	.66
43 C 9010	4-450	4	450	3/8x1 1/4	.69
43 C 9011	8-450	8	450	3/8x1 1/4	.75
43 C 9012	10-450	10	450	3/4x1 1/4	.78
43 C 9013	12-450	12	450	3/4x1 1/4	.81
43 C 9014	16-450	16	450	3/4x1 1/4	.84
43 C 9015	20-450	20	450	7/8x1 1/4	.92
43 C 9016	30-450	30	450	1x2	1.03
43 C 9017	40-450	40	450	1x2 3/4	1.08
43 C 9004	60-450	60	450	1x3	1.41
43 C 9005	80-450	80	450	1x3 3/4	1.68
43 C 9547	100-450	100	450	1x3 3/4	1.92
43 C 9215	4-500	4	500	3/8x1 1/4	.72
43 C 9000	8-500	8	500	3/8x1 1/4	.78
43 C 9001	16-500	16	500	3/4x1 1/4	.90
43 C 9002	20-500	20	500	7/8x2	.96
43 C 9003	30-500	30	500	1x2	1.05
43 C 9539	10-700	10	700	1/16x3 3/4	1.53
43 C 9541	16-700	16	700	1/16x4 3/4	2.10

BBRD DUAL SECTION (Cont'd)					
Stock No.	Type	µF	VV	Size In.	E.A.
43 C 9254	3315	30-30	150	7/8x1 1/4	1.08
43 C 9257	4415	40-40	150	7/8x2	1.11
43 C 9258	5515	50-30	150	7/8x2	1.17
43 C 9259	5515	50-50	150	1x2	1.26
43 C 9260	8415	80-40	150	1x2 3/4	1.35
43 C 8609	01837	100-50	150	1x3	1.80
43 C 9288	101015	100-100	150	1x3	1.92
43 C 9289	8D25	8-8	250	3/4x1 1/4	.96
43 C 9262	222	20-20	250	1x1 1/4	1.11
43 C 9296	3325	30-30	250	1x2 3/4	1.35
43 C 8614	0286	150-100	300	1 3/8x4 3/4	3.15
43 C 9265	8D45	8-8	450	1x2 1/2	1.02
43 C 9267	16D45	16-16	450	1x2 1/2	1.35
43 C 9268	2245	20-20	450	1x3	1.50
43 C 9297	3345	30-30	450	1 1/8x3 3/4	1.80
43 C 9221	4445	40-40	450	1x4 1/4	2.04

BBRD DUAL SECTION					
Stock No.	Type	µF	VV	Size In.	E.A.
43 C 9220	2202	20-20	25	3/4x1 1/4	.84
43 C 9250	115	10-10	50	3/4x1 1/4	.84
43 C 9252	2215	20-20	150	3/4x1 1/4	.99

BBRT TRIPLE SECTION					
Stock No.	Type	µF	VV	Size, In.	EACH
43 C 9230	22215	20-20-20	150	7/8x1 1/4	1.32
43 C 9231	322215	30-20-20	150	7/8x2	1.35
43 C 9232	3331	30-30-30	150	1x2	1.41
43 C 9233	42215	40-20-20	150	1x1 1/4	1.35
43 C 9234	43215	40-30-20	150	1x2	1.41
43 C 9235	44215	40-40-20	150	1x2	1.41
43 C 9236	44415	40-40-40	150	1x2 3/4	1.47
43 C 9298	84215	80-40-20	150, 25	1x2	1.65
43 C 8620	01265	150-150-150	150	1 3/8x4 3/4	2.85
43 C 9238	3335C	30-30-20	150, 25	1x2	1.32
43 C 9239	4215C	40-20-20	150, 25	1x1 1/2	1.29
43 C 9240	4315C	40-30-20	150, 25	1x1 1/2	1.41
43 C 9245	8415C	80-40-20	150, 25	1x2 1/2	1.52
43 C 8621	0185	40-40-40	300	1 1/8x3	2.76
43 C 9282	16745	16-16-16	450	1 3/8x3	1.86

BBRQ QUADRUPLE SECTION					
Stock No.	Type	µF	VV	Size, In.	EACH
43 C 9290	33215C	30-30-20-20	150	1x3	1.74
43 C 9293	44315C	40-40-30-20	150, 25	1x2 1/2	1.80
43 C 9294	55515C	50-50-50-50	150, 25	1x3	2.07
43 C 8628	02834	140-50-30-300	500	1 1/8x4 3/4	3.09
43 C 8635	0174	40-40-20, 40, 450	150	1 3/8x4 3/4	3.27

## CORNELL-DUBILIER TYPE WMF TUBULAR "MYLAR" CAPACITORS



Film-encased ultra-compact tubular capacitors featuring a "Mylar" film dielectric. Exceptional strength, durability and stability. Offer high insulation resistance, low power factor, and operation at temperatures from -55°C to +125°C. End-sealed with high-density thermosetting plastic. Non-inductive, extended foil construction with tinned wire leads soldered direct to foil for low-resistance and low RF impedance. Power factor, less than 1% at 25°C. Tolerance, ±10%. Av. shpg. wt., 2 oz.

200 WVDC (Cont'd)					
Stock No.	Type WMF-	µF	Size	E.A.	
43 C 6885	2522	.022	3/8x3/8	.24	
43 C 6886	2533	.033	1/2x3/8	.27	
43 C 6887	2547	.047	1/2x3/8	.27	
43 C 6888	2568	.068	1 1/8x3/8	.27	
43 C 6889	2P1	.1	1 1/8x3/8	.36	
43 C 6890	2P15	.15	1 1/2x7/8	.36	
43 C 6891	2P22	.22	1 1/2x1	.39	
43 C 6892	2P33	.33	1 5/8x1 1/8	.45	
43 C 6893	2P47	.47	1 5/8x1 1/4	.51	
43 C 6894	2P68	.68	2 1/8x1 1/2	.57	
43 C 6895	2W1	1.0	3/4x1 3/4	.87	
43 C 6898	2W2	2.0	3/8x1 1/2	1.50	

400 WVDC					
Stock No.	Type	µF	Size	E.A.	
43 C 4329	4D1	.001	3/8x5/8	.27	
43 C 4330	4D22	.0022	3/8x5/8	.27	
43 C 4331	4D47	.0047	3/8x5/8	.27	
43 C 6832	4S1	.01	1 1/8x5/8	.27	
43 C 6834	4S22	.022	3/16x3/4	.27	
43 C 6835	4S33	.033	1 1/2x7/8	.27	
43 C 6836	4S47	.047	1 1/2x7/8	.30	
43 C 6837	4S68	.068	2 3/8x1	.33	
43 C 6838	4P1	.1	3/8x1 1/4	.36	
43 C 6839	4P15	.15	3/8x1 1/4	.36	
43 C 6840	4P22	.22	3/8x1 1/4	.42	
43 C 6841	4P33	.33	1/2x1 1/4	.42	
43 C 6842	4P47	.47	4/8x1 1/2	.78	
43 C 6844	4W1	1.0	7/8x2	1.20	
43 C 6847	4W2	2.0	1 1/4x2 1/4	2.04	

600 WVDC					
Stock No.	Type	µF	Size	E.A.	
43 C 4312	6D1	.001	3/8x3/4	.30	
43 C 4318	6D22	.0022	3/8x3/4	.30	
43 C 4323	6D47	.0047	1/16x3/4	.30	
43 C 6815	6S1	.01	3/8x3/4	.30	
43 C 2717	6S22	.022	2 3/8x1	.30	
43 C 2719	6S47	.047	2 3/8x1	.42	
43 C 2721	6P1	.1	3/4x1 3/8	.42	
43 C 2723	6P22	.22	3/4x1 1/2	.51	
43 C 2725	6P47	.47	5/8x2	1.14	
43 C 2727	6W1	1.0	1 1/8x2 1/2	2.55	

100 WVDC					
Stock No.	Type WMF-	µF	Size	E.A.	
43 C 6975	1D1	.001	3/8x1/2	.21	
43 C 6977	1D22	.0022	3/8x1/2	.21	
43 C 6979	1D47	.0047	3/8x1/2	.21	
43 C 6981	1S1	.01	1 1/8x3/4	.21	
43 C 6983	1S22	.022	3/8x3/8	.24	
43 C 6984	1S33	.033	1 1/8x3/8	.24	
43 C 6985	1S47	.047	1 7/8x3/8	.27	
43 C 6986	1S68	.068	3/8x3/4	.27	
43 C 6987	1P1	.1	1 1/8x7/8	.36	
43 C 6988	1P15	.15	1 1/8x7/8	.36	
43 C 6989	1P22	.22	2 5/8x1	.39	
43 C 6990	1P33	.3			



# Mica Capacitors and Capacitor Mounting Hardware

## ARCO-ELMENCO DM DIPPED "DUR-MICA" SILVERED MICA CAPACITORS



Most widely used mica capacitor. Highest levels of reliability, ruggedness, and electrical excellence. Ideal combination of optimum quality and small size. Special extra-tough epoxy coating resists extreme humidity and moisture. All are rated 500 WVDC, except †300 WVDC and †100 WVDC. Operates in temperatures from -55°C to +150°C without derating. Compact size of these capacitors makes them very suitable for delay lines, computers, test equipment,

missiles and other electronic applications wherein entire system performance depends on reliable operation of thousands of components. Subjected to "debugging" process to eliminate potential early failures. Capacitance drift: = (0.5%, = 1 pF) (Char. F). Meet or exceed MIL-C-5C and RETMA specifications for mica capacitors. Tolerance, = 5%, except \* = 5 pF. See chart below for approximate dimensions. Average shpg. wt., 2 oz. Units are dual-marked in both MIL and Commercial Type Numbers.

Stock No.	Mfr's Type	pF	Size, LxWxT	EACH
43 C 2354	DM-10-100J	10	.358x.387x.183	.31
43 C 2356	DM-10-150J	15	.358x.387x.183	.31
43 C 2358	DM-10-200J	20	.358x.387x.183	.22
43 C 2359	DM-10-220J	22	.358x.387x.183	.22
43 C 2361	DM-10-270J	27	.358x.387x.183	.22
43 C 2363	DM-10-330J	33	.358x.387x.183	.22
43 C 2367	DM-10-470J	47	.358x.387x.183	.23
43 C 2368	DM-10-500J	50	.363x.395x.188	.23
43 C 2372	DM-10-680J	68	.363x.395x.188	.25
43 C 2373	DM-10-750J	75	.363x.395x.188	.25
43 C 2376	DM-10-101J	100	.370x.405x.197	.26
43 C 2378	DM-10-121J	120	.370x.405x.197	.28
43 C 2380	DM-10-151J	150	.377x.415x.203	.32
43 C 2383	DM-10-201J	200	.384x.425x.212	.39
43 C 2384	DM-10-221J	220	.384x.425x.212	.40
43 C 2386	DM-10-251J	250	.391x.438x.220	.45
43 C 2388	DM-10-301J†	300	.391x.438x.220	.47
43 C 0716	DM-15-010M*	1	.446x.351x.163	.22
43 C 0717	DM-15-020M*	2	.446x.351x.163	.22
43 C 0718	DM-15-030M*	3	.446x.351x.163	.22
43 C 0719	DM-15-050K*	5	.446x.351x.163	.22
43 C 0720	DM-15-072J	10	.446x.351x.163	.22
43 C 0721	DM-15-120J	12	.448x.355x.166	.22
43 C 0722	DM-15-150J	15	.448x.355x.166	.22
43 C 0724	DM-15-200J	20	.448x.355x.166	.18
43 C 0725	DM-15-220J	22	.448x.355x.166	.18
43 C 0727	DM-15-270J	27	.448x.355x.166	.18
43 C 0728	DM-15-300J	30	.448x.355x.166	.18
43 C 0729	DM-15-330J	33	.448x.355x.166	.18
43 C 0731	DM-15-390J	39	.448x.355x.166	.18
43 C 0733	DM-15-470J	47	.451x.360x.175	.18
43 C 0734	DM-15-500J	50	.451x.360x.175	.18

Stock No.	Mfr's Type	pF	Size, LxWxT	EACH
43 C 0738	DM-15-680J	68	.451x.360x.175	.18
43 C 0739	DM-15-750J	75	.451x.360x.175	.18
43 C 0740	DM-15-820J	82	.451x.360x.175	.18
43 C 0742	DM-15-101J	100	.451x.360x.175	.18
43 C 0744	DM-15-121J	120	.457x.372x.190	.20
43 C 0746	DM-15-151J	150	.457x.372x.190	.21
43 C 0748	DM-15-181J	180	.457x.372x.190	.25
43 C 0749	DM-15-201J	200	.457x.372x.190	.25
43 C 0750	DM-15-221J	220	.470x.395x.220	.26
43 C 0752	DM-15-251J	250	.470x.395x.220	.28
43 C 0753	DM-15-271J	270	.470x.395x.220	.29
43 C 0754	DM-15-301J	300	.470x.395x.220	.31
43 C 0755	DM-15-331J	330	.470x.395x.220	.34
43 C 0756	DM-15-361J	360	.470x.395x.220	.36
43 C 0757	DM-15-391J	390	.470x.395x.220	.38
43 C 0759	DM-15-471J	470	.463x.371x.204	.42
43 C 0760	DM-15-501J	500	.463x.371x.204	.43
43 C 0761	DM-15-511J	510	.463x.371x.204	.45
43 C 0762	DM-15-561J†	560	.463x.371x.204	.45
43 C 0764	DM-15-681J†	680	.470x.378x.220	.53
43 C 0765	DM-15-751J†	750	.470x.378x.220	.57
43 C 0766	DM-15-821J	820	.470x.378x.220	.62
43 C 0768	DM-15-102J§	1000	.487x.382x.238	.68
43 C 0770	DM-19-102J	1000	.636x.490x.197	.41
43 C 0772	DM-19-122J	1200	.652x.506x.219	.47
43 C 0774	DM-19-152J	1500	.652x.506x.219	.56
43 C 0777	DM-19-202J	2000	.652x.506x.219	.68
43 C 0780	DM-19-252J	2500	.668x.520x.240	.81
43 C 2404	DM-30-502J	5000	.765x.855x.263	1.15
43 C 2407	DM-30-622J	6200	.773x.865x.287	1.35
43 C 0822	DM-30-103J	10,000	.783x.879x.323	2.12



## ARCO-ELMENCO CM MOLDED SILVERED MICAS

Molded silvered mica capacitors offer excellent stability, dielectric strength, longevity, and ruggedness. Meet MIL-C-5, EIA, RS-153.

Phenolic cases. 500 WVDC, except \*300 WVDC. Tolerance, = 5%. Middle letter in Type number is temperature coefficient. C = ±200 parts/million/°C. D = ±10 parts. E = -20, +100 parts. Shpg. wt., 2 oz.

Stock No.	Mfr's Type	pF	Size, LxWxT	EACH
43 C 0427	CM-15-C-050J	5	1/2x3/2x3/16	.22
43 C 0428	CM-15-C-100J	10	1/2x3/2x3/16	.22
43 C 0436	CM-15-C-150J	15	1/2x3/2x3/16	.22
43 C 0438	CM-15-C-200J	20	1/2x3/2x3/16	.18
43 C 0469	CM-15-E-330J	33	1/2x3/2x3/16	.18
43 C 0473	CM-15-E-470J	47	1/2x3/2x3/16	.18
43 C 0474	CM-15-E-500J	50	1/2x3/2x3/16	.18
43 C 0480	CM-15-E-680J	68	1/2x3/2x3/16	.18
43 C 0479	CM-15-E-820J	82	1/2x3/2x3/16	.18
43 C 0497	CM-15-E-101J	100	1/2x3/2x3/16	.18
43 C 0499	CM-15-E-121J	120	1/2x3/2x3/16	.20
43 C 0515	CM-15-E-151J	150	1/2x3/2x3/16	.21
43 C 0518	CM-15-E-201J	200	1/2x3/2x3/16	.205
43 C 0519	CM-15-E-221J	220	1/2x3/2x3/16	.26
43 C 0543	CM-15-E-251J	250	1/2x3/2x3/16	.28
43 C 0544	CM-15-E-271J	270	1/2x3/2x3/16	.29
43 C 0545	CM-15-E-301J	300	1/2x3/2x3/16	.31
43 C 0546	CM-15-E-331J	330	1/2x3/2x3/16	.34

Stock No.	Mfr's Type	pF	Size, LxWxT	EACH
43 C 0548	CM-15-E-391J	390	1/2x3/2x3/16	.38
43 C 0554	CM-15-E-471J	470	1/2x3/2x3/16	.42
43 C 0555	CM-15-E-501J	500	1/2x3/2x3/16	.44
43 C 0566	CM-20-D-681J	680	2/3x2x1/16x3/32	.29
43 C 0568	CM-20-D-821J	820	2/3x2x1/16x3/32	.32
43 C 0583	CM-20-E-102J	1000	2/3x2x1/16x3/32	.38
43 C 0587	CM-20-E-152J	1500	2/3x2x1/16x3/32	.50
43 C 0594	CM-20-E-202J	2000	2/3x2x1/16x3/32	.59
43 C 0422	CM-20-E-252J	2500	2/3x2x1/16x3/32	.71
43 C 0619	CM-20-E-332J	3300	2/3x2x1/16x3/32	.91
43 C 0621	CM-20-E-391J*	3900	2/3x2x1/16x3/32	.91
43 C 0623	CM-20-E-472J*	4700	2/3x2x1/16x3/32	1.09
43 C 0624	CM-20-E-502J*	5000	2/3x2x1/16x3/32	1.16
43 C 0639	CM-30-E-682J	6800	1/16x1/16x1/32	1.25
43 C 0641	CM-35-E-562J*	5600	1/16x1/16x1/32	1.31
43 C 0645	CM-35-E-103J*	10,000	1/16x1/16x1/32	1.81
43 C 0686	VCM-35-E-103J	10,000	1/16x1/16x1/32	2.12

## CAPACITOR MOUNTING HARDWARE



Selection of mounting hardware for capacitors subject to moderate or acute vibration. Hold capacitors securely in position, positively eliminating any chance of wobble or strain on terminals or body. Straps are

tinued steel; all others are cadmium-plated.

**A) TUBULAR STRAPS** Wt., 1 oz.

Stock No.	Dia.	EA.	Stock No.	Dia.	EA.
43 C 7962	5/8"	.09	43 C 7966	1 1/8"	.12
43 C 7963	1 1/16"	.09	43 C 7967	1 5/8"	.12
43 C 7964	3/4"	.09	43 C 7968	1 1/2"	.12
43 C 7965	1 3/8"	.09	43 C 7969	1 3/8"	.12

**B) "C" CLAMPS** Wt., 1 oz.

Stock No.	Size Dia.	EACH
43 C 7970	1/8-3/4"	1.12
43 C 7971	1/8-1"	1.12

**C) MOUNTING RINGS** Wt., 1 oz.

Stock No.	Size Dia.	EACH
43 C 7972	1-1 1/16"	.15
43 C 7973	1 3/8-1 7/16"	.18
43 C 7974	1 1/2-1 15/16"	.18
43 C 7975	2-2 1/16"	.18
43 C 7976	2 1/2"	.21
43 C 7977	3"	.39

**D) MOUNTING CLIPS** Wt., 1 oz.

Stock No.	Size Dia.	EACH
43 C 7978	3/4"	.12
43 C 7979	1"	.12
43 C 7980	1 3/8"	.18

**E) UNIVERSAL CLIPS** Wt., 2 oz.

Stock No.	Size Dia.	EACH
43 C 7981	3/8-7/16"	.12
43 C 7982	1/2-9/16"	.12
43 C 7983	5/8-1 1/16"	.12
43 C 7984	3/4-1 3/16"	.15
43 C 7985	7/8-1 3/16"	.15
43 C 7986	1-1 1/16"	.15
43 C 7987	1 3/8-1 1/16"	.15

**F) 43 C 7990, Mtg. Wrench.** For twist-prongs. Shpg. wt., 1 lb. . . . .1.49

**G) MOUNTING SOCKETS** Wt., 1 oz.

Stock No.	Size Dia.	EACH
47 C 0335	1"	.49
47 C 0336	1 3/8"	.71

**H) MOUNTING PLATES**  
\*Phenolic †Metal. †Mount 1" dia. can over 1 3/8" dia. hole. Shpg. wt., 1 oz.

Stock No.	Dia.	Stock No.	Dia.
43 C 7945	1"	43 C 7948	1 1/4"
43 C 7946	1 3/8"	43 C 7949	1 3/8"
43 C 7947	1 1/2"	43 C 7950	1 1/2"

EACH . . . . .09

**KRAFT INSULATING SLEEVES**  
Offer positive insulation. Shpg. wt., 1 oz.

Stock No.	Dia.	Stock No.	Dia.
43 C 7510	3/4x2"	43 C 7517	1 3/4x2 1/2"
43 C 7511	1x2"	43 C 7514	1 1/8x3"
43 C 7515	1x2 1/2"	43 C 7988	1 1/8x3 1/2"
43 C 7512	1x3"	43 C 7518	1 1/8x4"
43 C 7513	1 3/8x2"	43 C 7989	1 1/8x4 1/2"

EACH . . . . .09



# SCR Commutation and Ceramic Capacitors

## GENERAL ELECTRIC CAPACITORS FOR SCR COMMUTATION APPLICATIONS

- Oil-Filled, Designed For Breadboard Prototype Work
- Special Construction Gives Low Inductance and Resistance

- Dielectric Temperature Rise Held to Minimum
- Mast Types With Oval Style Case

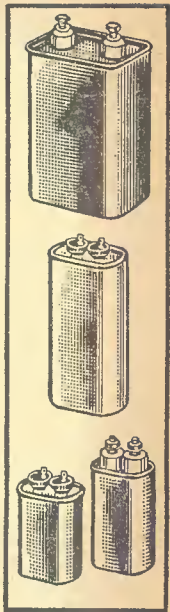
Oil-filled capacitors, primarily designed for breadboard prototype work in silicon controlled rectifier commutation and other similar square wave voltage applications. Special construction gives low inductance and minimum equivalent series resistance; internal connections carry high currents frequently encountered.

Paint finish on ternite-plate steel cases increases emissivity of case surface, holds dielectric temperature rise to minimum. Oil dielectric maintains nominal (25°C) capacity within ±2.5% from -55°C to +80°C. Table based on 50  $\mu$ sec.

current pulse width. In no case should max. voltage, current, ambient and case temperatures be exceeded.

All are oil-impregnated paper units, except \*metalized paper and \*polycarbonate. All have oval style case, except rectangular. †Maximum root mean square (rms) in volts-amperes at maximum ambient and case temperatures. In table, case temperatures correspond to ambient temperatures as follows: 80° ambient equals 87° case; 70° ambient equals 83° case; 60° ambient equals 80° case; 50° amb. equals 77° case. Av. shpg. wt., 5 lbs.

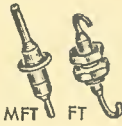
Stock No.	Type	$\mu$ F	rms VAC Max.	Volts DC Max.	Size Inches (W x D x H)	Max. rms (Amps) at Ambient			EACH
						80°C	70°C	60°C	
43 C 1778	951	3	165	200	2 5/8 x 1 1/2 x 2 3/8	7.0	10.0	12.3	5.37
43 C 1781	952	5	165	200	2 5/8 x 1 1/2 x 3 1/8	9.8	14.2	17.4	5.89
43 C 1782	953	10	165	200	3 3/4 x 1 1/4 x 4 1/4	22.0	31.6	39.5	15.43
43 C 1783	954	2	165	200	3 3/4 x 2 1/4 x 4 1/2	38.0	43.0	43.1	24.38
43 C 1787	955	2	200	250	2 5/8 x 1 1/2 x 2 3/8	5.7	7.9	9.8	4.96
43 C 1791	956	2	330	600	2 5/8 x 1 1/2 x 2 1/8	6.3	8.8	11.0	5.70
43 C 1796	957	3	330	600	2 5/8 x 1 1/2 x 3 1/8	8.5	12.3	14.8	6.89
43 C 1802	958	5	330	600	3 1/2 x 1 1/4 x 4 1/4	15.8	22.1	28.4	13.94
43 C 1806	959	10	330	600	3 3/4 x 2 1/4 x 4 1/2	25.3	37.9	42.9	23.57
43 C 1813	960	20	330	600	3 3/4 x 3 3/8 x 5 1/2	43.0	43.0	43.0	32.19
43 C 1815	961	1	400	800	2 5/8 x 1 1/2 x 2 5/8	4.1	5.7	6.9	8.2
43 C 1850	5033	.5	660	1500	2 5/8 x 1 1/2 x 2 1/8	3.0	4.3	5.6	4.89
43 C 1816	962	1	700	2000	2 5/8 x 1 1/2 x 4 3/8	5.3	7.2	9.1	5.66
43 C 1817	963	2	700	2000	3 3/4 x 1 1/4 x 4 1/4	10.7	15.2	18.3	11.76
43 C 1818	964	2	700	2000	3 3/4 x 2 1/4 x 4 1/2	14.5	20.5	25.3	24.67
43 C 1820	965	5	700	2000	3 3/4 x 3 3/8 x 5 1/2	22.1	30.6	36.3	28.30
43 C 1824	966	10	700	2000	4 5/8 x 3 3/4 x 6	36.3	43.0	43.0	38.33
43 C 1829	1101*	25	115	200	2 1/8 x 1 3/8 x 2 1/8	33†	125†	230†	350†
43 C 1831	1102*	50	115	200	2 1/8 x 1 3/8 x 2 7/8	42†	160†	290†	430†
43 C 1832	1103*	100	115	200	3 2/8 x 1 3/8 x 3 1/8	65†	245†	440†	670†
43 C 1833	1104*	125	115	200	3 7/8 x 1 3/8 x 3 7/8	76†	285†	520†	782†
43 C 1837	1202†	20	330	600	3 1/2 x 1 1/2 x 3 3/8	43.0	43.0	43.0	52.98
43 C 1848	1203†	10	700	2000	4 3/8 x 3 3/4 x 5 1/8	43.0	43.0	43.0	92.50



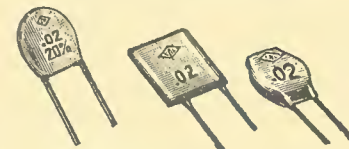
## CENTRALAB CERAMIC CAPACITORS AND ASSORTMENTS

### FEED-THRU HI-KAPS

Tiny ceramics for single-hole mounting. Specifically designed for, widely used in high frequency circuits. Rated 500 WVDC. Type FT has 12-28 mounting nut and .050" dia. tinned copper leads with hooked ends. MFT has 1/4" dia. hole and solders to chassis (has No. 10 leads). Tolerance: \* ±20%; † -20 to +50%; ‡ ±10%; § Guaranteed minimum value. Av. shpg. wt., 2 oz.



### LOW-VOLTAGE CAPACITORS



Extremely compact, high-capacity, low-voltage ceramic capacitors. Have durable "Durez" resin insulation. Designed especially for transistor circuits and other subminiature applications. Resist effects of heat, moisture and vibration. Av. shpg. wt., 2 oz.

Type DA: 1/2 x 1/2 x 3/8" thick. Tolerance -20% to +100%. Rated at 30 WVDC.  
Type DDA: All measure 5/8" diameter x 5/8" thick. Tolerance -30% to +80%. Rated at 75 WVDC.

Type DM: 1 1/2 x 1 1/2 x 3/4" thick. Tolerance \* -20% to +50% and † -20% to +80%. Rated at 150 WVDC.

Type CK: diameter as indicated; 5/8" thick. Tolerance -20 to +80% Rated at 50 WVDC.

### TYPE CE DISC CERAMICS

Designed for applications requiring minimum capacity change as temperature varies from -55°C to +85°C. Phenolic vacuum insulation-impregnated with high melting point wax. All 500 WVDC. Power factor: 2% maximum at 1 kHz. Leakage resistance: initial, 10,000 megohms minimum; after humidity, over 100 megohms. All 5/8" thick, 1/2" diameter, except 1 1/2" diameter. No. 22 tinned copper leads. Av. shpg. wt., 1 oz.



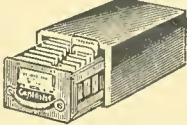
Stock No.	Type	$\mu$ F	EACH
43 C 1488	MFT-50	50	.24
43 C 1489	MFT-100	100	.24
43 C 1490	MFT-500	500	.24
43 C 1491	MFT-1000	1000	.24

### TYPE FT

Stock No.	Type	$\mu$ F	EACH
43 C 1390	FT-500	500	.60
43 C 1391	FT-1000	1000	.60
43 C 1392	FT-1500	1500	.60
43 C 1394	FT-2300	2300	.60

### DDK-200 CERAMIC CAPACITOR KIT

Ceramic disc capacitors primarily for by-pass, filter or coupling service. 200 Type DD disc ceramics. All 1000 WVDC, except \*600 V. Each value packaged in its own clear-plastic box. With cabinet, 4x6x11". Wt., 6 lbs.



43 B 8912, \$5 Monthly.....34.10

Cap. $\mu$ F	Qty.	Mfr's Type	Cap. $\mu$ F	Qty.	Mfr's Type
5	5	DD-050	330	5	DD-331
10	5	DD-100	390	5	DD-391
25	5	DD-250	470	5	DD-471
33	5	DD-330	500	5	DD-501
47	5	DD-470	680	5	DD-681
50	5	DD-500	$\mu$ F	Qty.	Type
68	5	DD-680	.001	15	DD-102
100	10	DD-101	.0015	5	DD-152
125	5	DD-125	.003	5	DD-302
180	5	DD-181	.0047	5	DD-472
200	10	DD-201	.005	10	DD-502
220	5	DD-221	.010	5	*DD-6-103
250	5	DD-251	.010	15	DD-103
270	5	DD-271	.015	5	DD-1032
300	5	DD-301	.020	15	*DD-203

### TYPE DA

Stock No.	Type	$\mu$ F	EACH
43 C 1627	203	.02	.29
43 C 1628	503	.05	.64
43 C 1629	104	.1	1.07

### TYPE DDA

Stock No.	Type	$\mu$ F	EACH
43 C 1630	503	.05	.24
43 C 1631	104	.1	.48

### TYPE DM

Stock No.	Type	$\mu$ F	EACH
43 C 1636	102*	.001	.72
43 C 1637	202*	.002	.72
43 C 1638	302†	.003	.72
43 C 1639	502†	.005	.72
43 C 1640	103†	.01	.72

### TYPE CK

Stock No.	Type	$\mu$ F	Dia.	EACH
43 C 1642	502	.005	3/8"	.17
43 C 1643	103	.01	3/8"	.17
43 C 1644	203	.02	3/8"	.17
43 C 1645	253	.025	3/8"	.17
43 C 1646	303	.03	3/8"	.17
43 C 1647	503	.05	3/8"	.24
43 C 1648	104	.1	3/8"	.48

### UK "ULTRA-KAP" MINIATURE

### DISC CAPACITORS

Type UK and UK10 micro-miniature and miniature ceramic disc capacitors engineered specifically for by-pass and coupling in transistor circuits. Extremely low dissipation factor. Double Durez insulation with high temperature wax impregnation. UK10 series primarily for portable radios. Ultra-Kaps, #22 tinned copper leads. UK types, 3 WVDC; UK10 types, 10 WVDC. Tolerance -20 to +80% guaranteed minimum value. Av. wt., 1 oz.



Stock No.	Mfr's Type	$\mu$ F	Dia.	EACH
43 C 1701	UK-104	.1	3/16"	.34
43 C 1293	UK-224	.22	1/8"	.24
43 C 1294	UK-474	.47	3/16"	.24
43 C 1295	UK-105	1.0	3/8"	.29
43 C 1296	UK-225	2.2	3/8"	.34
43 C 1702	UK10-503	.05	1/8"	.15
43 C 1703	UK10-104	.1	2/8"	.15
43 C 1704	UK10-204	.2	3/8"	.24
43 C 1705	UK10-474	.47	3/8"	.34
43 C 1274	UK20-303	.05	1 1/2"	.17
43 C 1279	UK20-104	.1	1 1/2"	.17
43 C 1290	UK20-204	.2	2 1/2"	.31

Depend on Allied for the Latest in Electronic Equipment

ALLIED 333



# Capacitors and Trimmers

## SPRAGUE CAPACITORS

### "PACER" MINIATURE CAPACITORS

Three times smaller than conventional paper-film tubulars. Non-inductive. Metal caps over foil sections. 200 WVDC. -55°C to +85°C. Derate 50% at 105°C. Tolerance, ±10%. Shpg. wt., 2 oz.

Stock No.	Mfr's Type	μF	Size	EACH
43 C 0334	192P47192	.00047	3/16x3/16"	.33
43 C 0360	192P56192	.00056	3/16x3/16"	.30
43 C 0361	192P68192	.00068	3/16x3/16"	.30
43 C 0362	192P82192	.00082	3/16x3/16"	.30
43 C 0335	192P10292	.001	3/16x3/16"	.27
43 C 0336	192P12292	.0012	3/16x3/16"	.27
43 C 0337	192P15292	.0015	3/16x3/16"	.27
43 C 0338	192P18292	.0018	3/16x3/16"	.27
43 C 0339	192P22292	.0022	3/16x3/16"	.27
43 C 0341	192P32292	.0033	3/16x3/16"	.27
43 C 0342	192P39292	.0039	3/16x3/16"	.27
43 C 0343	192P47292	.0047	3/16x3/16"	.27
43 C 0344	192P56292	.0056	3/16x3/16"	.27
43 C 0345	192P68292	.0068	3/16x3/16"	.27
43 C 0346	192P82292	.0082	3/16x1/2"	.30
43 C 0347	192P10392	.01	3/16x1/2"	.30
43 C 0348	192P12392	.012	3/16x1/2"	.30
43 C 0349	192P15392	.015	3/16x1/2"	.30
43 C 0350	192P18392	.018	3/16x1/2"	.30
43 C 0352	192P22392	.022	3/16x1/2"	.30
43 C 0353	192P32392	.033	3/16x3/8"	.33
43 C 0354	192P47392	.047	3/16x3/8"	.36
43 C 0355	192P68392	.068	3/16x3/8"	.39
43 C 0356	192P82392	.082	3/16x3/8"	.39
43 C 0357	192P108392	.082	3/16x3/8"	.42
43 C 0358	192P82392	.082	2 1/4x3/8"	.45
43 C 0359	192P10492	.1	2 1/4x3/8"	.45
43 C 0366	192P12492	.12	2 1/4x3/8"	.48
43 C 0367	192P15492	.15	2 1/4x3/8"	.48
43 C 0368	192P22492	.22	2 1/4x1 1/8"	.51

### DOORKNOB CAPACITORS

High-voltage, 500-pF plastic capacitors for replacement use in all types of TV sets. Molded-in nonflammable, moisture-resistant, thermostating plastic. Molded guard rings increase surface leakage path. Capacitor body has female threads for variety of interchangeable screw-in terminals. 20DK-T5 comes complete with 7 terminals, as illustrated (packaged 2 per plastic box, with 14 terminals). 30DK-T5 is supplied with only 2 terminals indicated by asterisk (\*). Shpg. wt., 3 oz.

Stock No.	Mfr's Type	kV Rating	Diam. Length	PRICE
43 C 5599	20DK-T5	20	1 1/2x1 1/2"	3.30/pr.
43 C 5597	30DK-T5	30	1 1/2x1 1/2"	2.40/ea.

### SERIES BL TINY BUFFER CERAMICS

(Not illus.) Disc ceramics for buffer applications. Moisture-proof coating. Rated at 2000 WVDC. Standard tolerance, ±20%. Shpg. wt., 1 oz.

Stock No.	Mfr's Type	μF	EACH
43 C 6290	BL-D10	.001	.21
43 C 6294	BL-D50	.005	.21
43 C 6299	BL-S10	.010	.27

### "HYPASS" CAPACITORS

Three-terminal network feed-through capacitors bypass VHF currents where ordinary capacitors fail. Suppress IVI from short-wave transmitters, diathermy machines, electronic heating apparatus. Eliminate interference between neighboring TV sets. Install leads in series. Type 48P18 for voltage regulator. \*Screw terminals. †AC volts. ‡Bulkhead mtg. Shpg. wt., 5 oz.

Stock No.	Type	μF	Amps	WVDC	Size	EACH
43 C 5688	48P18*	.5	40	50	1x1 1/2x1 1/2"	2.76
43 C 5970	48P8*	.1	20	250†	1 1/2x1 1/2x1 1/2"	1.80
43 C 5685	48P8*	.1	20	600	1 1/2x1 1/2x1 1/2"	1.80
43 C 5689	80P3*‡	.1	20	600	1 1/2x1 1/2x1 1/2"	1.95
43 C 5697	47P16	.002	20	5000	1x1 1/2x1 1/2"	2.73

### CAPACITANCE DECODER



Type C-751. Decodes μF, tolerance and WVDC from color codes. Shpg. wt., 2 oz. 43 C 9910.....25



### "CERA-MITE" DISC CERAMIC CAPACITORS

Ultracompact ceramic disc capacitors in EIA (RETMA) and other popular values. High by-pass efficiency in critical circuits. Moistureproof coating. Tolerances: 1000 WVDC types = ±20%; 500 WVDC, ±20%. All capacitors are "tagged" for easy identification. Sizes range from 1/4" to 7/8". Mfr's Type. Average shpg. wt., 1 oz.

#### SERIES 5GA—1000 WVDC

Stock No.	Type	pF	Stock No.	Type	pF
43 C 6300	V50	5	43 C 6333	T33	330
43 C 6302	V75	7.5	43 C 6335	T36	360
43 C 6304	O10	10	43 C 6337	T39	390
43 C 6305	O12	12	43 C 6338	T47	470
43 C 6306	O15	15	43 C 6339	T50	500
43 C 6308	O20	20	43 C 6340	T56	560
43 C 6309	O22	22	43 C 6342	T68	680
43 C 6310	O25	25	43 C 6343	T75	750
43 C 6313	O33	33	43 C 6345	T82	820
43 C 6315	O47	47	43 C 6670	D10	1000
43 C 6316	O50	50	43 C 6347	D12	1200
43 C 6317	O56	56	43 C 6348	D13	1300
43 C 6318	O68	68	43 C 6349	D15	1500
43 C 6319	O75	75	43 C 6351	D18	1800
43 C 6320	O82	82	43 C 6352	D20	2000
43 C 6322	T10	100	43 C 6353	D22	2200
43 C 6323	T12	120	43 C 6354	D25	2500
43 C 6325	T15	150	43 C 6356	D30	3000
43 C 6326	T18	180	43 C 6357	D33	3300
43 C 6327	T20	200	43 C 6358	D39	3900
43 C 6328	T22	220	43 C 6360	D43	4300
43 C 6330	T25	250	43 C 6361	D47	4700
43 C 6331	T27	270	43 C 6362	D50	5000
43 C 6332	T30	300	43 C 6363	S10	10,000

EACH.....15

#### SERIES 5HK—500 AND 1000 WVDC

Stock No.	Type	μF	WVDC	EA.
43 C 8650	D10	.001	1000	.15
43 C 8651	D15	.0015	1000	.15
43 C 8652	D20	.002	1000	.15
43 C 8661	D33	.0033	1000	.15
43 C 8665	D47	.0047	1000	.15
43 C 5673	D50	.005	1000	.15
43 C 8666	D68	.0068	1000	.15
43 C 5674	S10	.01	1000	.15
43 C 8667	S15	.015	500	.15
43 C 8669	S20	.02	500	.15
43 C 8669	S25	.025	500	.15
43 C 9922	S40	.04	500	.27
43 C 9953	S50	.05	500	.27
43 C 9954	P10	.1	500	.78

### LOW-VOLTAGE CERAMICS

Especially designed for circuits requiring extremely small components. Ideal for printed circuits, transistor-type radios, etc. Provide very dependable service in bypass and coupling applications. Have excellent humidity resistance.

**A** Type TG. Have heavy, protective coating. All are rated at 50 working volts, DC. Have tolerance of +80% to -20% except S25, +80% to -30%. Av. shpg. wt., 3 oz.

Stock No.	Type	μF	Dia.	EACH
43 C 5995	D50	.005	5/16"	.15
43 C 5996	S10	.01	3/8"	.15
43 C 5997	S25	.025	1 1/8"	.15
43 C 5998	S50	.05	1 1/2"	.30
43 C 5999	P10	.1	3/4"	.36

**A** Hypercon Type. Ultraminiature ceramic discs. Tolerance, guaranteed minimum value. All are rated 3 working volts, DC, except #10 WVDC. Shpg. wt., 2 oz.

Stock No.	Type	μF	Dia.	EACH
43 C 6671	HY-120	.1	.225"	.39
43 C 6672	HY-125	.22	.275"	.24
43 C 6673	HY-130	.47	.400"	.24
43 C 6674	HY-135	1.0	.595"	.30
43 C 6675	HY-150	2.2	.840"	.39
43 C 6394	HY-310*	.047	.275"	.15
43 C 6395	HY-320*	.1	.400"	.15
43 C 6396	HY-325*	.22	.595"	.24
43 C 6397	HY-330*	.47	.840"	.36

**B** Monolithic Type. Solid homogeneous block construction assures excellent humidity resistance. Rated 25 working volts, DC. Temperature rating, -55°C to +85°C. Tolerance, ±20%. Size, 1/2x1/2x1/2". 2 oz.

Stock No.	Type	μF	EACH
43 C 6589	SC104	.1	.96
43 C 3382	SC154	.15	1.08
43 C 6698	SC224	.22	1.14
43 C 6699	SC334	.33	1.42
43 C 6825	SC474	.47	1.60
43 C 6825	SC684	.68	1.60
43 C 6824	SC105	1.0	2.00

#### SERIES 10TCC NPO CERAMICS

Zero temperature-coefficient capacitors. 1000 WVDC. All capacitors listed below are of the disc type. \*Mfr's Type. Av. shpg. wt., 2 oz.

Stock No.	*Mfr's Type	* pF	Stock No.	* pF	
43 C 9955	V10	1.0	43 C 9965	.025	.25
43 C 9956	V15	1.5	43 C 9966	.033	.33
43 C 9957	V22	2.2	43 C 9967	.039	.39
43 C 9957	V33	3.3	43 C 9968	.047	.47
43 C 9959	V47	4.7	43 C 9969	.050	.50
43 C 9960	V68	6.8	43 C 9970	.068	.68
43 C 9961	Q10	10.0	43 C 9971	.075	.75
43 C 9962	Q15	15.0	43 C 9972	.110	1.00
43 C 9963	Q20	20.0	43 C 9973	.112	1.20
43 C 9964	Q22	22.0	43 C 9974	.115	1.50

EACH.....15

Stock No.	Type	pF	EACH
43 C 9976	T22	220	.21
43 C 9977	T27	270	.30

#### SERIES 10TCU N750 CERAMICS

A negative temperature coefficient capacitor with a negative change of 750 parts per million per degree Centigrade. 1000 WVDC. All capacitors listed below are disc type except \*rectangular. Av. shpg. wt., 3 oz.

Stock No.	Type	pF	Stock No.	Type	pF
43 C 9978	V50*	5	43 C 9986	.068	.68
43 C 9979	O10	10	43 C 9987	.075	.75
43 C 9980	O15	15	43 C 9988	.110	1.00
43 C 9982	O22	22	43 C 9989	.115	1.50
43 C 9983	O25	25	43 C 9990	.120	2.00
43 C 9984	O33	33	43 C 9991	.122	2.20
43 C 9985	O47	47	43 C 9992	.133	3.30

EACH.....15

### CENTRALAB TRIMMERS



Unusually compact, stable trimmer capacitor with ceramic dielectric. Lightweight, easily mounted. Need only a screwdriver for perfect, simple adjustment. Provide a smooth, linear rate of capacitance change. Full capacity range with just 180° rotation. Balanced rotor and heavy spring pressure for excellent mechanical stability, even under extreme conditions of heavy vibration. Silver is fired to stator and rotor, which make contact on flat optically ground surface to eliminate air space. All types rated at 500 working volts, DC. Power factor: less than = 0.2% at 1 megahertz. Type 822 and Type 823 are constructed with stainless steel. Type 827 with phenolic base, 829 is tubular ceramic (furnished with mounting screw and nut). Letter N in Type Number indicates negative temperature coefficient, letter Z in Type Number indicates zero temperature coefficient. Average shpg. wt., 2 oz.

#### TYPE 822

Stock No.	Mfr's Type	pF Range	Base Size	EACH
43 C 1651	822-EN	4-30	2 1/2x2 1/2x1/2"	1.14
43 C 1125	822-CN	4.5-25	2 1/2x2 1/2x1/2"	1.14
43 C 1124	822-BN	7-45	2 1/2x2 1/2x1/2"	1.14
43 C 1123	822-AN	8-50	2 1/2x2 1/2x1/2"	1.14
43 C 1653	822-EZ	1.5-7	2 1/2x2 1/2x1/2"	1.14
43 C 1128	822-BZ	3.5-13	2 1/2x2 1/2x1/2"	1.14
43 C 1654	822-AZ	4.5-25	2 1/2x2 1/2x1/2"	1.14

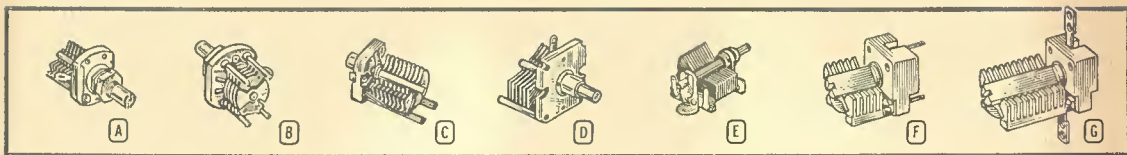
#### TYPES 823, 827 AND 829

\*Dimension given is for body length.

Stock No.	Mfr's Type	pF Range	Base Size	EACH
43 C 1510	823-AN	20-125	1 1/2x1 1/2x1/2"	3.60
43 C 1513	823-AZ	12-62	1 1/2x1 1/2x1/2"	3.60
43 C 1517	827-B	3.5-12	1 1/2x2 1/2x1/2"	.90
43 C 1518	827-C	6-30	1 1/2x2 1/2x1/2"	.90
43 C 1519	827-D	7-35	1 1/2x2 1/2x1/2"	.90
43 C 1400	829-3	5-3	3/8x3/8x1/2"	.24
43 C 1402	829-6	1-6	3/8x3/8x1/2"	.24
43 C 1404	829-10	1.5-10	3/8x3/8x1/2"	.24

# Variable Capacitors and Noise Filters

E. F. JOHNSON CAPACITORS



## TYPE M MINIATURE VARIABLES

Bridge-type stator terminal provides low inductance; oversized bearing, heavily anchored stator supports insure rigidity.  $3/4 \times 3/4$  panel mtg. space,  $1/4$ " hole. Slotted shaft takes  $3/16$ " knob. 1250 V approx. peak break-down. Low-loss steatite insulation. Nickel-plated. 2 oz.

### A SINGLE SECTION

Stock No.	Mfr's Type	Max. pF	Min. pF	No. of Plates	EA.
43 C 3758	160-102	5.0	1.5	5	.90
43 C 3759	160-104	8.7	1.8	9	.95
43 C 3760	160-107	14.2	2.3	15	1.00
43 C 3761	160-110	19.6	2.7	21	1.10
43 C 3766	160-130	32	3	28	1.20

### B BUTTERFLY

Stock No.	Mfr's Type	Max. pF	Min. pF	No. of Plates	EA.
43 C 3763	160-205	5.1	1.8	9	1.30
43 C 3764	160-206	8.5	2.2	16	1.45
43 C 3765	160-211	10.8	2.7	22	1.60

## C TYPE S VARIABLES

Compact and rugged; 850 V peak rating. Slotted hex-nut shaft. Panel space  $2\frac{1}{2} \times 2\frac{1}{2}$ ",  $1\frac{1}{16}$ " behind. Two 4-40 mtg. holes. 1 lb.

Stock No.	Mfr's Type	Max. pF	Min. pF	No. of Plates	EACH
43 C 3771	148-1	15-2.3	6	10	1.05
43 C 3772	148-2	25-2.6	10	10	1.10

## C TYPE S VARIABLES (Cont'd)

Stock No.	Mfr's Type	pF Max-Min	No. of Plates	EACH
43 C 3773	148-3	35-2.9	14	1.15
43 C 3774	148-4	50-3.2	19	1.20
43 C 3776	148-6	100-4.5	38	1.40

## TYPE L VARIABLES

Extremely stable; vibration- and shock-proof. 1500 V peak rating. Panel space  $1\frac{3}{8}$ " sq., behind.  $1/4$ " shaft. Wt., 1 lb.

### D SINGLE END PLATE

Stock No.	Mfr's Type	pF Max-Min	No. of Plates	EACH
43 C 3777	167-1	11-2.8	3	1.90
43 C 3778	167-2	27-3.5	7	2.05
43 C 3779	167-3	51-4.6	11	2.30
43 C 3780	167-4	75-5.7	19	2.50

## E TYPE R VARIABLES

Extra-heavy rugged construction. Panel or base mtg. Panel space  $1\frac{1}{2} \times 1\frac{1}{2}$ ", up to  $2\frac{1}{2}$ " behind. 1200 V peak. Shpg. wt., 1 lb.

Stock No.	Mfr's Type	pF Max-Min	No. of Plates	EACH
43 C 3754	149-3	50- 6.5	7	2.95
43 C 3756	149-5	102- 8.5	14	3.25
43 C 3757	149-6	140-13.5	19	3.50

## TYPE U SUBMINIATURE VARIABLES

Single section. High Q. Low temp. coeff.  $1\frac{1}{8}$ " sq. panel space, up to  $3/4$ " behind. 650-V peak breakdown, except  $\$1.00$  V.  $1\frac{1}{16}$ " terminals,  $1/32$ " screwdriver adjustment. Av. wt., 4 oz.

### F PRINTED CIRCUIT MOUNTING

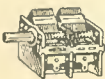
Stock No.	Mfr's Type	pF Max-Min	No. of Plates	EACH
43 C 4523	189-501-5	4.2-1.2	4	.56
43 C 4524	189-502-5	6.7-1.3	6	.58
43 C 4525	189-503-5	9.2-1.4	8	.56
43 C 4526	189-504-5	11.6-1.5	10	.58
43 C 4527	189-505-5	14.1-1.7	12	.60
43 C 4528	189-506-5	16.7-1.8	14	.62
43 C 4529	*189-527-5	5.1-1.3	6	.62
43 C 4533	*189-527-5	8.5-1.6	10	.64
43 C 4536	*189-528-5	11.4-1.8	14	.66

### G TWO-HOLE MOUNTING†

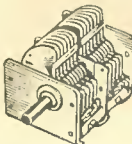
Stock No.	Mfr's Type	pF Max-Min	No. of Plates	EACH
43 C 4548	189-501-4	4.2-1.2	4	.60
43 C 4549	189-502-4	6.7-1.3	6	.62
43 C 4550	189-503-4	9.2-1.4	8	.60
43 C 4591	189-504-4	11.6-1.5	10	.62
43 C 4592	189-505-4	14.1-1.7	12	.64
43 C 4593	189-506-4	16.7-1.8	14	.66
43 C 4597	*189-526-4	5.1-1.3	6	.66
43 C 4598	*189-527-4	8.5-1.6	10	.68
43 C 4599	*189-528-4	11.4-1.8	14	.70

## TRF CAPACITORS

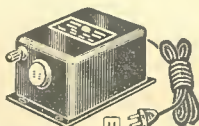
2-Gang. For use in superhets without RF stage or in 2-stage TRF receivers. Each section has 29 plates. Range, 15.5 to 467.8 pF, each section. Counter-clockwise rotation increases capacity. With trimmers. End plates slotted for easy tracking adjustments. Spring brass wipers. Take series padder for oscillator use.  $3/8$ " dia. shaft. Requires the use of an extender in order to convert to  $1/4$ " shaft. See coil and IF section of this catalog for coils. Size,  $1\frac{1}{2} \times 1\frac{1}{2} \times 2\frac{1}{2}$ ". Shpg. wt., 8 oz.  
43 C 3528.....3.00



2- and 3-Gang Capacitors. Compact TRF variable capacitors. Have trimmers on side of frame. Outer rotor plates are slotted for tracking adjustment. Tapped holes in frame provide secure mounting. Range: 12 to 367 pF. Shaft diameter,  $3/8$ ". Size of 2-gang:  $2\frac{1}{2} \times 1\frac{1}{2} \times 1\frac{1}{2}$ ". Size of 3-gang:  $3\frac{1}{2} \times 1\frac{1}{2} \times 1\frac{1}{2}$ ". Av. shpg. wt., 6 oz.  
43 C 3521, 2-Gang.....4.95  
43 C 3522, 3-Gang.....3.22



Allied has the world's largest selection of electronic components for experimenters, hobbyists, and builders. Use the handy, complete index in the back of this catalog.



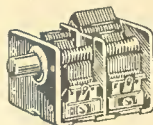
**H** Type IF-18. Effective capacitive inductive type of filter for suppression of severe interference. For use wherever interfering or air conditioning units, washing machine or machine tools interfere with radio-TV reception. Bakelite case, 6x  $3\frac{1}{2} \times 2\frac{1}{2}$ ". Line cord, plug, receptacle and ground terminal. 115 volts, AC-DC, 5 amps. 4 lbs.  
43 C 3564.....7.67

**J** Type IF-19. Smaller than above, yet has as much attenuation. Has line cord, plug, receptacle, and ground terminal. For 115 volts, AC-DC. Rated 5 amps.  $4 \times 2\frac{1}{2} \times 2\frac{1}{8}$ ". Shpg. wt., 3 lbs.  
43 C 3565.....7.30

## RECEIVER-TYPE CAPACITORS AND ACCESSORIES

### SUPERHET CAPACITOR

2-Section Superhet Variable. 19-plate oscillator section with 172.6 max.—10.6 min. pF; has one 2-17 pF trimmer. 27-plate RF section with 434 max. to 14.5 min. pF; has one 2-17 pF trimmer. Capacity increases with CCW rotation. Overall size,  $1\frac{1}{2} \times 1\frac{1}{2} \times 2\frac{1}{2}$ ". Shaft,  $1/4 \times 3/4$ ". Shpg. wt., 8 oz.  
43 C 3529.....2.50



### MIDGET SUPERHET AND TRF TYPES

Midget Superhet. Miniature size without sacrifice of performance makes these 2-gang variables perfect for portable and midget sets. Capacity: RF sec., 14.5 to 368 pF, 27 plates; osc. sec., 11.6 to 136.6 pF, 15 plates. Cap. increases CCW. 455 kHz IF. Trimmers.  $1\frac{1}{2} \times 1\frac{1}{2} \times 1\frac{1}{2}$ ". Shpg. wt., 6 oz.  
43 C 3523.....2.08  
Miniature Superhet. RF section is 10.8 pF to 232.4 pF. Oscillator section is 8.5 pF to 106.3 pF.  $1\frac{1}{2} \times 1\frac{1}{2} \times 1\frac{1}{2}$ ". Shpg. wt., 5 oz.  
43 C 2605.....2.50



Midget TRF. Compact, 33-plate, single-section capacitor. Variable from 15 to 409 pF. Capacity increases clockwise.  $1\frac{1}{2}$ " deep,  $1\frac{1}{2}$ " wide,  $1\frac{1}{2}$ " high.  $1\frac{1}{2}$ " diameter shaft,  $1\frac{1}{2}$ " long. Shpg. wt., 5 oz.  
43 C 3524.....1.30



### MINIATURE 2-GANG CAPACITOR

For up-to-date miniature tube or transistor circuitry; also used as a direct replacement for most units used in current pocket-size transistor receivers. Fits both foreign and domestic models. Completely enclosed in clear polyethylene plastic case. Plates rotate 180°. Maximum capacity for use in antenna section is 148.1 pF, maximum in oscillator section, 65.2 pF. Trimmer capacity is variable to over 6 pF. Trimmer adjustments may be made through case.  $5/8$ " sq. by  $1/8$ " deep. Shpg. wt., 4 oz.  
43 C 7092.....1.59



### MINIATURE SINGLE SECTION TUNING CAPACITOR WITH DIAL

Miniature single-gang capacitor for use in TRF, broadcast band and experimental receivers, transmitters, signal generators, wave traps and many other units. Ideal for transistor circuits. An excellent device for the hobbyist or experimenter building miniature electronic instruments. Capacity variable from 10 to 365 pF. Has  $1\frac{1}{4}$ " diameter, clear plastic tuning dial with milled edges. Calibrations in silver numerals, read from 530 to 1600 kHz. Full 180° rotation. Size, 1" sq. by  $1/2$ " deep,  $1/4$ " shaft. 5 oz.  
43 C 7091......69



## CORNELL-DUBILIER PLUG-IN NOISE FILTERS

Type IF-4. Efficient plug-in, cylindrical filter for suppression of medium-intensity interference produced by fluorescent lighting fixtures, electric shavers, fans, food mixer, billing machines and similar devices. Well suited for use with small receivers such as AC-DC midget sets, portable TV sets, etc. Filter plugs directly into wall; appliance or receiver plugs into filter. Rated at 115 volts, AC-DC, 5 amps.  $1\frac{1}{8}$ " dia., 2" long. Shpg. wt., 5 oz.  
43 C 3568.....1.08



Type IF-6. Convenient plug-in filter designed for elimination of moderate interference. Especially suitable for suppression of interference caused by fluorescent lights, electric shavers and similar devices. For installation as an accessory of a portable or semi-permanent nature on radios, TVs, etc. Connects between power line and appliance or between power line and receiver. Rated at 115 volts, AC, 5 amps.  $1\frac{1}{8}$ " dia., 2" long. Shpg. wt., 6 oz.  
43 C 3569.....1.87

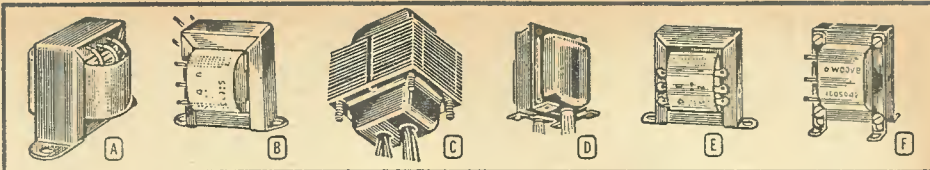
Specify Stock No., Mfr's Type and Capacitance on Capacitor Orders

ALLIED 335



# **knight** Transformers — Exclusive at Allied

**Knight Low-Cost Transformers Provide Dependability and Big Savings**



## POWER TRANSFORMERS

For radio replacement use, etc. Fully shielded. Heavy-duty 5<sup>W</sup> coded leads. All plate windings are center-tapped, except \*half-wave type; for 6AX5, 6X4, 6X5 and similar 6.3 V. filament rectifiers and for selenium rectifier. CT 6.3-V winding except † has two 6.3 V windings. ‡Not CT. †Static shield. #60 Hz only. \*22.5 volt at 5 amperes winding. For 110-120 volt, 50-60 Hz primaries.

Stock No.	Fig.	Plate		5 V at A	6.3 V at A	Mtg. Ctrs.	Wt., Lbs.	EACH
		VCT	mA					
54 C 3710	A	115*	15	0.6†	2 3/8"	1	5.30	
54 C 1410	B	125*	15	0.6†	2"	1/4	2.52	
54 C 1411	A	125*	50	2†	3 1/2"	1 1/2	4.07	
54 C 3708	C	135*	200	5.5†	2 1/2"x2 1/4"	3 1/2	9.21	
54 C 4720	D	230	40	1.5	1 3/4"x1 5/8"	1 1/2	5.57	
54 C 2008	B	250	25	1.0†	2 3/8"	1	3.02	
54 C 2318	B	380*	20	0.6†	2 3/8"	1 1/2	3.97	
54 C 3706	D	440	50	**	2x1 11/16"	2 1/4	7.40	
54 C 1461	D	460	50	2.5†	2x1 3/8"	2 3/4	5.44	
54 C 2502	C	460	50	2.5†	2 1/2"x2"	2 3/4	5.44	
54 C 2034	C	480	40	2	2 1/2"x2"	2 3/4	5.89	
54 C 2503	C	480	55	2	2 1/2"x2"	3	5.66	
54 C 2504	C	480	70	3†	2 1/2"x2"	3	6.23	
54 C 1427	D	480	40	2	2x1 1/4"	2 3/4	5.89	
54 C 1462	D	480	55	2	2x1 3/4"	3	6.21	
54 C 1463	D	480	70	3†	2x1 1/8"	3	6.23	
54 C 2505	D	500	40	2	2x1 1/4"	3	6.18	
54 C 2506	C	500	70	2.0	2 1/2"x2"	3 1/2	7.18	
54 C 2551	D	500	40	2	1 5/8"x1 7/8"	2 1/4	6.00	
54 C 1464	D	500	70	2	2x2 1/8"	3 1/2	7.18	
54 C 1465	D	520	90	4†	2 1/4"x1 1/4"	3 3/4	7.26	
54 C 1444	C	520	90	2	3 1/8"x2 1/4"	4	7.47	
54 C 1412	D	520	90	2	3 1/4"x2 3/4"	4	7.47	
54 C 1466	D	540	120	3	3 1/2"x2 1/2"	5	10.47	
54 C 2509	C	540	120	3	3 1/2"x2 1/2"	5	10.47	
54 C 1467	C	550	50	2	2 1/2"x2"	3 3/4	8.16	
54 C 3704	D	600	65	2.7†	2x1 11/16"	2 3/4	6.78	
54 C 1468	C	600	70	2	2 1/2"x2"	3 3/4	8.94	
54 C 2523	D	600	90	2	2 1/4"x2 1/4"	4 1/4	9.27	
54 C 1469	C	600	120	3	3 1/8"x2 1/2"	6	10.97	
54 C 4725	D	600	70	2	2x2 3/16"	3 3/4	8.94	
54 C 2526	D	600	120	3	2 1/2"x2 3/16"	6	10.97	
54 C 3703	D	650	150	3	2 1/2"x2 3/16"	6	11.08	
54 C 1413	D	650	40	2	2x1 1/4"	2 1/2	6.12	
54 C 4730	D	650	150	3	2 1/2"x3"	7 1/2	11.08	
54 C 2041	C	650	40	2	2 1/2"x2"	2 1/2	6.12	
54 C 2042	C	650	70	3	2 1/2"x2"	4 1/4	6.00	
54 C 1428	D	650	70	3	2x2 3/4"	4 1/4	6.00	
54 C 1471	C	650	150	3	3 1/8"x2 1/2"	7 1/2	11.08	
54 C 1472	D	680	70	2	2 1/4"x2 3/16"	4	8.45	
54 C 2532	C	680	70	2	2 1/8"x2 1/4"	4	8.45	
54 C 2534	C	700	200	3	3 3/8"x3"	8	14.92	
54 C 2043	C	700	90	3	2 1/8"x2 1/4"	4 1/2	8.45	
54 C 1429	D	700	90	3	2 1/4"x2 3/8"	4 1/4	10.30	
54 C 2044	C	700	120	3	3 1/8"x2 1/2"	5 3/4	9.92	
54 C 1430	D	700	120	3	2 1/2"x2 11/16"	5 3/4	9.92	
54 C 2535	D	700	200	3	3x2 1/8"	8	14.92	
54 C 2045	C	750	150	3	3 1/8"x2 1/2"	6 1/2	12.12	
54 C 1431	D	750	150	3	2 1/2"x3 1/4"	6 1/2	12.56	
54 C 2553	D	750	175	3	2 1/4"x3 3/8"	9 1/2	15.56	
54 C 2547	C	800	250	4	3 3/4"x3"	10 3/4	15.76	
54 C 3702	D	800	30	2†	2x2 1/4"	3	11.09	
54 C 2033	C	800	200	3	3 3/8"x3"	8	13.36	
54 C 1414	D	800	200	3	3x2 1/8"	7 3/4	13.36	
54 C 2548	D	800	250	4	3x3 3/8"	10 1/4	15.76	
54 C 3701	D	900	250	4	3x3 3/8"	12	19.87	
54 C 1473	D	1200	200	3	3x3 1/4"	9 1/2	16.61	
54 C 2549	C	1200	200	3	3 3/8"x3"	9 1/2	16.61	
54 C 3700	D	1840	200	3	3x3 1/4"	13	18.46	Capacitive input 200 mA; Inductive input 250 mA

## CONTROL TRANSFORMERS

For high-speed automatic equipment, relays, pilot lamps, solenoids, small motors. May be used in high current, low voltage power supplies. Secondary has two identical windings which permit series or parallel operation. Primary for 115 or 230 volts, 50-60 Hz.

Stock No.	Fig.	Parallel Sec.		Series Sec.		Size Hx Wx D	Wt., Lbs.	EACH
		Volts	Amps	Volts	Amps			
54 C 2351	E	6	2	12	1	2 3/8"x2 7/8"x1 3/4"	1	3.70
54 C 2352	E	6	4	12	2	2 3/4"x3 1/8"x2"	1 3/4	4.50
54 C 2353	E	12	4	24	2	3 1/8"x3 5/8"x2 1/4"	2 1/2	5.44
54 C 2354	F	12	8	24	4	3 3/8"x2 7/8"x3"	4 1/2	8.87

## F MULTI-TAP SELENIUM RECTIFIER TRANSFORMERS

Tapped primary and additional tapped winding permit a variety of output voltages in addition to those shown. 117 V, 50-60 Hz primaries. Include wiring diagram. \*Capacitive load.

Stock No.	Rect. Circuit	Range of AC Volts	Max DC Output*		Size Hx Wx D	Wt., Lbs.	EACH
			Volts	Amps			
54 C 2331	CT Bridge	11.5 to 29.5	13.6	2	3x2 1/2"x2 3/4"	2 3/4	5.89
54 C 2332	CT Bridge	12.0 to 29.6	14.5	4	3 3/8"x2 7/8"x3"	4 1/2	8.16
54 C 2333	CT Bridge	11.5 to 29.0	14.5	8	3 3/4"x3 1/8"x3 1/2"	6 1/4	10.24
54 C 2334	CT Bridge	12.0 to 29.5	32.2	4	4 1/8"x3 1/2"x3 7/8"	9	14.56
54 C 2335	CT Bridge	12.0 to 29.0	14.5	15	4 5/8"x3 3/4"x5"	13	18.56

## VARIABLE VOLTAGE AND ISOLATION TRANSFORMERS

Output, 115 V except \*105, 115, 125, 50-60 Hz. 6' cord, plug.

Stock No.	Fig.	Watts	Input Volts	Size Hx Wx D		Mtg. Centers	Wt., Lbs.	EACH
				Hx Wx D	Wt., Lbs.			
54 C 2080	G	150	90-250	4 5/8"x3 7/8"x5 1/2"	3x3 1/8"	9 1/2	19.36	
54 C 1490	G	100	105-125	4 5/8"x3 7/8"x4 3/4"	3x2 3/8"	7 1/2	16.84	
54 C 2563	H	*350	117	5 1/2"x4 5/8"x5 3/4"	3 1/2"x3 7/8"	16	28.19	

## H ISOLATION TRANSFORMERS

Reduce shock hazard by isolating equipment from AC power line. Prevent "hot chassis" when servicing AC-DC equipment. For 115 V, 50-60 Hz. With 6-ft. cord, plug, standard AC receptacle.

Stock No.	Watts	Size, Hx Wx D	Wt., Lbs.	EACH
54 C 1426	50	3 5/8"x3 3/8"x3 3/8"	3 1/2	8.36
54 C 2086	100	4 3/8"x3 5/8"x4"	7	14.76
54 C 2087	250	4 5/8"x3 7/8"x4 5/8"	12 1/2	25.84

## 230 TO 115-VOLT STEP-DOWN AUTOTRANSFORMERS

Well-built step-down transformers for reducing 220-250 volts, 50-60 Hz to 110-125 volts. For operating tape recorders, radios, amplifiers, household appliances, etc. Shielded construction. With 8-ft. cord and plug. Standard AC receptacle on case. \*No cord.

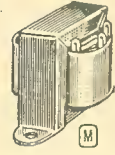
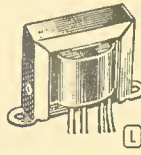
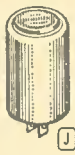
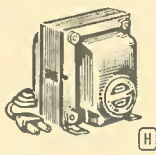
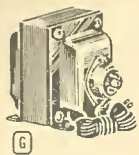
Stock No.	Fig.	Volt-Amps	Size, Hx Wx D	Wt., Lbs.	EACH
54 C 1494	J	8	2 3/4"x1 1/16"	1	4.01
54 C 2555	A*	20	2x3 1/4"x2"	1 1/4	3.49
54 C 2556	A*	40	2 5/8"x3 5/8"x2 1/8"	1 3/4	3.90
54 C 2510	H	80	3 5/8"x3x3 1/4"	3 1/4	8.41
54 C 2557	H	100	3 1/2"x2 7/8"x3 3/8"	4	8.94
54 C 2511	H	150	4x3 3/8"x3 5/8"	4 3/4	10.70
54 C 2512	H	250	4 5/8"x3 7/8"x4 1/4"	7 3/4	13.94
54 C 2513	H	500	4 5/8"x3 7/8"x4 3/4"	11	19.15
54 C 1434	H	750	5 1/2"x4 5/8"x5"	13 3/4	24.12
54 C 1432	H	1000	5 1/2"x4 5/8"x5 1/4"	14 3/4	31.66
54 C 1435	H	1500	6x4 1/2"x5 5/8"	20	35.41
54 C 1433	H	2000	6x4 1/2"x6 3/8"	25	40.07

## H 115 TO 230-VOLT STEP-UP AUTOTRANSFORMERS

Increase 110-125 volts, 50-60 Hz, to 220-250 volts. Shielded construction. 8' cord, plug. Std. AC receptacle on case.

Stock No.	Volt-Amps	Size, Hx Wx D	Wt., Lbs.	EACH
54 C 2558	80	3 5/8"x3x3 1/4"	3 1/4	8.41
54 C 2559	150	4x3 3/8"x3 5/8"	4 3/4	10.38
54 C 2560	500	4 5/8"x3 7/8"x4 3/4"	10 1/4	19.13

Make Allied your headquarters for everything in electronics. This catalog is your guide through the world's largest stock of electronic equipment. When you order from Allied you get these advantages: complete one-order purchasing, and same-day shipment.



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Allied has more transformers available than shown in this catalog. For prompt price quotations, write, wire, or phone us.

### FILTER AND SMOOTHING CHOKES

All chokes are rated at 10 volts, 60 Hz with maximum DC in winding. Ratings have -15% to +50% tolerance. Insulation withstands 1500 volts, rms except †2000, †3000.

Stock No.	Fig.	H	m A	Res., Ohms	Mtg. Centers	Wt., Lbs.	EACH
54 C 2341	F	.01	12,500	.11	3 3/8 x 2 1/8"	6 1/2	10.74
54 C 2342	F	.025	4000	.425	2 1/4 x 2 1/8"	3 1/2	7.06
54 C 2343	F	0.35	2000	3.00	2 1/8 x 2"	2 3/4	4.03
54 C 4700	F	.8/0.2	2500/5000	61/1.55	2 1/2 x 3 1/8"	6 3/4	12.17
54 C 4701	F	.3/.075	1000/2000	3/.75	2 1/4 x 2 1/8"	4 1/2	8.77
54 C 4702	A	.33	600	10	2 1/8"	1 3/4	3.33
54 C 4703	A	.70	290	30	2 3/8"	3/4	1.86
54 C 1405	A	.80	375	25	3 1/8"	1 1/4	3.80
54 C 1479	A	†1.0	300	40	3 1/8"	1 1/4	3.35
54 C 1480	A	†1.5	10	95	1 1/4"	1/4	1.40
54 C 1406	A	1.5	200	60	2 3/8"	3/4	1.91
54 C 3990	A	2.0	200	65	1 1/8"	1 3/4	3.26
54 C 1482	A	2.3	150	60	2 1/8"	1 1/2	2.66
54 C 2344	A	†2.5	130	100	2 1/8"	1	2.58
54 C 2345	A	2.8	300	60	3 3/8"	2	4.61
54 C 1483	A	†3.0	150	97	3 1/8"	1 3/4	3.08
54 C 1407	A	3.5	50	200	2 3/8"	3/4	1.85
54 C 3991	D	†4.0	250	60	2 1/4 x 2 3/8"	4 1/2	9.14
54 C 2346	D	†4.0	175	100	2x1 3/4"	2 3/4	5.21
54 C 2347	D	†4.5	200	80	2 1/4 x 2 1/8"	3 3/4	6.62
54 C 3992	K	5.0	65	300	2 3/8"	2 1/2	2.65
54 C 2135	A	5.5	50	330	1 1/2 x 2 3/8"	2 1/2	1.53
54 C 4704	A	6.0	200	150	3 3/8"	2 1/2	4.38
54 C 4705	D	6.0	200	150	2"	2 3/4	5.94
54 C 1408	A	7.0	50	550	2"	1 1/2	1.53
54 C 1484	A	7.0	150	200	3 3/8"	2 1/4	4.18
54 C 1485	A	8.0	85	260	2 1/8"	1 1/2	2.74
54 C 2136	A	8.5	50	400	2 3/8"	1	1.66
54 C 1409	F	†8.5	200	140	2 1/4 x 2 1/8"	3 1/2	7.97
54 C 3993	A	9.0	125	250	3 1/8"	1 3/4	3.63
54 C 4701	D	†10.0	200	110	2 1/4 x 2 3/8"	4 1/2	6.44
54 C 4707	A	10.0	90	270	2 1/8"	1 1/2	3.10
54 C 2139	A	10.5	110	220	3 3/8"	2 1/4	3.79
54 C 3995	A	†12.0	30	400	2"	1 1/2	2.18
54 C 1486	D	12/8/4	100/150/200	145	2x1 3/4"	2 3/4	5.30
54 C 1487	A	13.0	65	385	2 1/8"	1	2.74
54 C 2138	A	15.0	75	400	3 1/8"	1 3/4	3.08
54 C 2137	A	16.0	50	550	2 1/8"	1	2.29
54 C 1488	D	16.0	80	365	2x1 3/4"	2 3/4	5.67
54 C 1489	A	20.0	15	900	2 3/8"	3/4	2.39
54 C 2349	A	35.0	15	1600	2"	1	1.93
54 C 2350	A	†350.0	5	5500	2 1/8"	1	4.02

### HIGH-CURRENT CHOKES

54 C 3996	F	.01	8.0 amps	.15	3 1/8 x 2 1/8"	5 1/2	9.26
54 C 3997	F	.005	22.5 amps	.03	3 3/4 x 3 1/2"	12	15.49

### LOW-VOLTAGE RECTIFIER TRANSFORMERS

For silicon diode and transistor DC voltages with full-wave or bridge rectifier. 1500 volt test. Primaries, 115 V. Primaries of Fig. L types are tapped. All are Fig. L except \*Fig F and †Fig. D.

Stock No.	Fig.	Secondary		Size H x W x D	Mtg. Ctrs.	Wt., Lbs.	EACH
		Volts AC	Amps				
54 C 4731	10-20 CT-40 CT	.035	1 1/2 x 2 3/8 x 1 3/8"	2"	3 1/2	3.97	
54 C 4732	10-20 CT-40 CT	.100	1 1/8 x 2 1/8 x 1 3/8"	2 3/8"	3/4	4.62	
54 C 4733	10-20 CT-40 CT	.300	2 5/8 x 3 1/8 x 2"	3 1/8"	1 1/2	5.39	
54 C 4734	10-20 CT-40 CT	.750	2 3/8 x 4 x 2 3/8"	3 3/8"	2 1/2	6.85	
54 C 4735	10-20 CT-40 CT	†1	3 1/8 x 2 3/8 x 3 1/8"	2x2 1/4"	3 3/4	10.20	
54 C 4736	0-17-18	*3	3 1/8 x 2 3/8 x 2 7/8"	2x2 3/8"	3 3/4	7.53	
54 C 4737	0-17-18	*6	3 1/8 x 3 3/8 x 3 1/4"	2 1/2 x 2 3/8"	5 3/4	18.20	
54 C 4738	0-5-13-19-26	*3	3 1/2 x 2 3/8 x 2 3/8"	2 1/4 x 2 1/8"	3 1/2	8.17	
54 C 4739	0-24-27-30-33-36	*3	3 1/8 x 3 3/8 x 3 1/4"	2 1/4 x 2 3/8"	5 1/4	11.96	
54 C 4740	0-24-27-30-33-36	*8	4 5/8 x 3 1/8 x 3 7/8"	3x3 1/4"	10 3/8	18.57	

### MINIATURE INTERCOM/TRANSCIVER TRANSFORMERS

Transceiver and intercom transformers designed to replace original units. \*Transceiver input, mike or plate to grid; has 4.5% primary tap used in B. †Filter network for hum reduction. †Intercom input, voice coil to grid. †Line to voice coil. Av. shpg. wt., 1/2 lb.

Stock No.	Fig.	Impedance, Ohms		Watt	Mts. Ctrs.	EACH
		Primary	Secondary			
54 C 1491	A	*200/5000	60.000	5	2 3/8"	3.08
54 C 1492	A	†4	25.000	3	2"	2.39
54 C 1493	M	†45/50	3-4, 6-8	3	2"	2.13

### A GRID TRANSFORMERS

\*Single plate to P-P grid except, †single plate to single grid, ‡single or P-P plate to P-P grids, §P-P plate to voice coil. 1/2 x 1/2" cores. Av. shpg. wt., 2 lbs.

Stock No.	Impedance, Ohms		Turns Ratio	Max. mA	Size HxWxD	EACH
	Primary	Secondary				
54 C 3998	\$5000CT	500/250/15/8/4	4	80	3 1/2 x 2 1/8 x 3 1/8"	7.95
54 C 2062	†7000	20,000	1:3	10	1 3/8 x 2 3/8 x 1 3/8"	2.21
54 C 1458	†10,000/15K	90,000CT	1:2	10	1 3/8 x 2 3/8 x 1 1/2"	2.26
54 C 1459	*10,000	90,000CT	1:3	10	2x3 1/4 x 2"	3.90
54 C 1460	†10,000CT	90,000CT	1:3	10	1 5/8 x 2 3/8 x 1 1/2"	3.21
54 C 3999	†10,000CT	8/4/2	1	40	1 1/4 x 2 1/8 x 1 3/4"	3.17
54 C 4114	†10,000CT	500/15/8/4	4	70	3 1/2 x 2 1/8 x 3 1/8"	7.57
54 C 4115	\$10000/7000CT	500/15/8/4	3	60	3 1/8 x 2 3/8 x 2 3/8"	7.49

### A TUBE TESTER PRIMARY TRANSFORMER

Has multi-tapped secondary. Primary: 125/115/105 volts, 60 Hz. Secondary output volts: 1.1/1.4/1.5/2.0/2.5/3.0/3.3/4.0/5.0/6.3/7.0/7.5/12/20/25/30/35/50/70/85/110/117. Mounting centers: 3 3/8". Overall size: 2 3/8 x 4 x 3 1/8". Shpg. wt., 2 1/2 lbs.

54 C 2083..... Each 11.94

### A SINGLE PLATE TO P-P GRID TRANSFORMER

Primary impedance: 10K ohms. Primary to 1/2 secondary ratio: 2/1.5/1:1. Maximum primary DC current: 40 mA. Overall size: 2x3 1/4 x 1 3/8". Mounting centers: 2 1/8". Shpg. wt., 1 1/2 lbs.

54 C 3983..... Each 3.47

### MICROPHONE OR LINE-TO-GRID TRANSFORMERS

Stock No.	Fig.	Primary Ohms	Sec. Ohms	Mtg. Ctrs.	Wt., Lbs.	EACH
54 C 3980	A	100	70KCT	2 3/8"	1/2	3.92
54 C 3979	A	400CT	195K	1 3/4"	1/4	3.44

### M STANDARD LINE-TO-VOICE-COIL TRANSFORMERS

500-ohm primary, except \*2000/1500/1000/500 and †3000/2000/1500/1000/500 ohms. †Fig. E.

Stock No.	Secondary Imp., Ohms	Audio Watts	Size HxWxD	Wt., Lbs.	EACH
54 C 1442	4-8	*4	1 3/8 x 2 3/8 x 1 1/2"	1/2	2.50
54 C 1423	6-8/3/2	5	1 3/8 x 2 3/8 x 1 1/2"	1/2	2.00
54 C 1425	6-8/3/2	*8	1 3/8 x 2 1/8 x 1 1/2"	3/4	3.10
54 C 1443	4-8	*12	2x3 1/4 x 1 7/8"	1 3/4	3.38
54 C 1451	4/8/16	†10	2 3/8 x 2 7/8 x 1 7/8"	1 3/4	4.18
54 C 1424	15/8/6/4	†25	2 3/8 x 2 7/8 x 1 7/8"	1 3/4	3.66

### 25-VOLT LINE-TO-VOICE-COIL TRANSFORMERS

Secondaries: 4, 8, 16 ohms, except \*3.2-4, 6-8.

Stock No.	Fig.	Watt Taps	Max. Watt	Size	Wt., Lbs.	EA.
54 C 1436	M	2, 1, 0.5	*2	1 3/8 x 2 1/8 x 1 1/2"	1/2	2.81
54 C 1437	M	5, 2.5, 1.25, 0.625, 0.31	*5	1 3/8 x 2 1/8 x 1 1/2"	3/4	2.99
54 C 1438	M	16, 8, 4, 2, 1, 0.5, 0.625	10	1 3/8 x 3 1/8 x 1 1/2"	1 1/4	5.61
54 C 1439	M	18, 9, 4.5, 2.25, 1.12	18	2 3/8 x 4 x 2 1/4"	2 1/2	4.46

### 70-VOLT LINE-TO-VOICE-COIL TRANSFORMERS

Secondaries: 4, 8, 16 ohms, except \*3.2-4, 6-8. †High-fidelity.

Stock No.	Fig.	Watt Taps	Max. Watt	Size	Wt., Lbs.	EA.
54 C 1440	M	2, 1, .5	*2	1 3/8 x 2 1/8 x 1 1/2"	1/2	2.87
54 C 2081	M	5, 2.5, 1.25, .625, .31	*5	1 3/8 x 2 3/8 x 1 1/2"	3/4	2.82
54 C 1422	F	8, 4, 2, 1, 0.5	8	2x2 3/8 x 1 3/8"	3/4	3.73
54 C 2077	M	10, 5, 2.5, 1.25, .62	10	1 3/8 x 2 1/8 x 1 1/2"	3/4	3.54
54 C 2078	E	18, 9, 4.5, 2.25, 1.12, .56	18	2 3/8 x 2 7/8 x 1 7/8"	1 3/4	4.36
54 C 2079	E	16, 8, 4, 2, 1, 0.5	16	2 1/4 x 3 1/8 x 2 1/4"	1 3/4	5.61
54 C 1451	M	24, 12, 6, 3, 1.5, .75	24	2 1/4 x 3 1/8 x 2 1/4"	1 3/4	5.30
54 C 1441	M	5, 2.5, 1.25, .625, .31	†5	1 3/8 x 2 1/8 x 1 1/2"	3/4	3.74

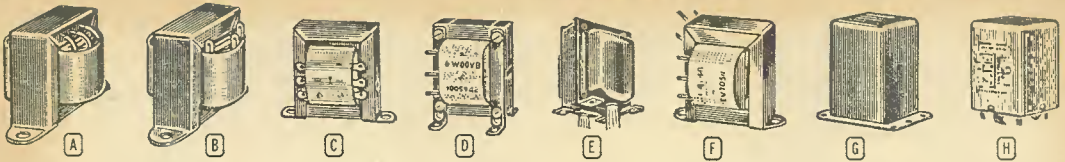
### E LINE TO LINE OR VOICE COIL TRANSFORMER

Designed to operate one or more speakers, in parallel, across a 500-ohm line. Primary impedance: 500-1000-1500-2000-2500-3000 ohms. Secondary impedance: .06 to 8 ohms when primary is 500 ohms; 12 to 16 ohms when primary is 1000 ohms, etc. Size: 2 3/8 x 2 7/8 x 2". Mounting center: 2 3/8". Audio power: 15 watts. Shpg. wt., 2 lbs.

54 C 3978..... Each 4.74



# knight Transformers—for Low-Cost Dependability



Compare specifications and prices. Allied's own Knight transformers always give you more for your money

Allied's own Knight transformers carry a one year warranty against defects in workmanship

## FILAMENT TRANSFORMERS

Primaries, 117 volts, 50-60 Hz, except 16.3 volts. \*107 V tap on primary. All center-tapped, except †. †Has electrostatic shield.

Stock No.	Fig.	V	Amps	Insul. rms V	Size H x W x D	Wt., Lbs.	EACH
54 C 2319	D	2.5	10.0	10000	3 3/8x2 1/8x2 1/2"	2 3/4	7.89
54 C 3712	A	2.5†	1.5	2500	1 1/2x2 1/8x1 3/8"	3/4	3.36
54 C 3711	F	2.5*	10.0	7500	3 1/8x3 3/8x3"	2 1/2	4.70
54 C 4132	A	2.5	3.0	1500	1 1/2x2 1/8x1 7/8"	3/4	3.11
54 C 1478	F	2.5	5.0	5000	2 3/4x3 1/8x2 1/8"	1 3/4	4.25
54 C 1474	E	2.5	10.0	2500	3 7/8x2 5/8x2 1/16"	2 3/4	5.74
54 C 4133	A	2.5	10.0	3000	2 5/8x3 3/4x2 3/8"	1 3/4	5.16
54 C 1475	A	5.0	3.0	2500	2x3 1/4x2"	1 1/2	3.70
54 C 2028	A	5.0	6.0	2500	2 5/8x3 3/8x2 1/4"	1 3/4	4.45
54 C 3713	E	5.0* †	3.0	2500	3 1/8x2 5/8x2 9/16"	2 1/2	6.03
54 C 3714	D	5.0	15.0	2500	3x2 1/2x3"	3	8.44
54 C 2320	D	5.0	10.0	2500	3 1/8x2 1/2x3"	3 1/2	6.13
54 C 2321	D	5.0	21.0	2500	3 3/4x3 1/8x3 1/4"	5	10.01
54 C 2322	E	5.0	30.0	2500	4 5/8x3 3/4x4"	7 1/2	13.77
54 C 3715	A	6.3††	1.2	5000	2x3 1/4x1 1/8"	1	3.49
54 C 3716	F	6.3††	3.0	7000	3 1/8x3 3/8x2 3/4"	2	6.31
54 C 3717	E	(2.6, 3)	3.0	1500	3 1/8x2 5/8x2 1/16"	2 1/2	7.36
54 C 3719	E	(4.6, 3)	1.75	1500	3 1/8x2 5/8x3 1/8"	3 1/4	8.54
54 C 2323	A	6.3†	1.2	5000	2x3 1/4x1 7/8"	1	3.10
54 C 2324	D	6.3	3.0	2500	3 1/8x2 1/2x2 3/8"	2	5.10
54 C 2325	F	6.3	6.0	2000	3 1/8x3 3/8x2 1/16"	2 1/2	4.34
54 C 2326	D	6.3*	20.0	2500	4 5/8x3 3/4x2 7/8"	7 1/4	11.35
54 C 1416	A	6.3	0.6	1500	1 5/8x2 1/8x1 5/8"	1 1/2	1.91
54 C 2030	A	6.3	1.0	1500	1 5/8x2 1/8x1 3/4"	3/4	2.31
54 C 1419	A	6.3	1.2	3000	1 5/8x2 1/8x1 7/8"	3/4	2.10
54 C 2031	A	6.3	3.0	2500	2x3 1/4x2 3/8"	1 1/2	2.15
54 C 1477	E	6.3* †	4.0	2500	3 1/8x2 5/8x2 1/16"	2 3/4	6.00
54 C 4134	E	6.3	6.0	1500	3 1/8x2 5/8x2 3/4"	2 1/2	7.31
54 C 1417	D	6.3	6.0	2500	3x2 1/2x3 1/4"	2 1/2	5.89
54 C 4118	D	6.3*	10.0	2500	3 3/8x2 1/8x2 7/8"	3 1/2	7.57
54 C 4135	E	6.3†	20.0	2000	3 7/8x3 3/8x1 4/16"	7	11.63
54 C 2327	D	7.5*	4.0	2500	3 1/8x2 1/2x2 1/16"	2 3/4	5.41
54 C 2328	D	7.5*	8.0	2500	3 3/4x3 1/8x2 7/8"	4 1/4	8.79
54 C 2329	D	10.0*	4.0	2500	3 3/8x2 1/8x2 3/4"	3 1/2	6.90
54 C 2330	D	10.0*	8.0	2500	3 3/4x3 1/8x3"	5	8.79
54 C 3720	D	10.0* †	5.0	2000	3x2 1/2x4 3/4"	3	5.57
54 C 3721	E	10.0	10.0	2000	3 7/8x3 1/4x3 5/8"	5 3/4	10.06
54 C 3722	E	11.0* †	10.0	2500	4 5/8x3 7/8x3 3/4"	6 1/4	11.76
54 C 3723	D	CT at 12-11		pri-1500 sec-3000			
54 C 3725	E	12.6	2.5	1500	4 1/8x3 7/8x3 1/8"	6 1/2	15.13
					3 1/2x2 1/8x3 3/8"	3 3/4	8.87
54 C 4709	A	12.6	3.0	1500	2 5/8x3 1/8x2 5/8"	1 3/4	5.07
54 C 4136	A	12.6	1.5	1500	2x3 1/4x2"	1 1/2	4.07
54 C 1420	A	12.6	2.0	1500	2x3 1/4x2 1/2"	1 1/2	3.68
54 C 4137	A	12.6	2.5	1500	2 1/4x3 3/8x2 1/4"	1 3/4	5.02
54 C 4710	A	24.0	1.0	1500	2x3 1/4x2"	1 1/2	4.49
54 C 1421	A	25.2†	1.0	1500	2x3 1/4x2 1/8"	1 1/2	3.63
54 C 4140	A	25.2	2.0	1500	2 5/8x4x2 3/8"	2 1/2	6.26
54 C 1476	A	26.5	0.6	3000	2x3 1/4x2"	1 1/2	3.33
54 C 4145	A	26.8	1.0	1500	2x3 1/4x2 1/8"	1 1/2	4.05

## STANDARD OUTPUT TRANSFORMERS

Couple plate of output tube to speaker voice coil. For class A amplifiers. †4.5% primary tap. \*Fig. F. Shpg. wt. 3/4 lb.

Stock No.	Primary		Sec. Imp.	Audio Watts	Size H x W x D	EACH
	Imp.	mA				
54 C 1401	2000	50	3.2	3	1 1/4x2 1/8x1 1/4"	1.58
54 C 2065	2000	50	3.2	5	1 3/8x2 3/8x1 3/8"	1.58
54 C 1445	\$2000	60	3.5	5	1 3/8x2 3/8x1 1/2"	2.29
54 C 1402	2000	60	4	5	1 3/8x2 3/8x1 3/8"	1.89
54 C 2063	2500	50	3.2	3	1 1/4x2 1/8x1 3/8"	1.97
54 C 1400	4000	10	3.5	3	1 1/4x2 1/8x1 1/4"	1.58
54 C 2064	5000	40	3.2	3	1 1/4x2 1/8x1 3/8"	1.97
54 C 1403	5000	40	4	5	1 3/8x2 3/8x1 3/8"	1.68
54 C 1446	*5000	40	6-8	10	2 3/8x2 7/8x1 7/8"	2.64
54 C 1447	7000	30	4	5	1 3/8x2 3/8x1 3/8"	1.79
54 C 2093	8000	20	3.2	3	1 1/4x2 1/8x1 3/8"	1.58
54 C 1448	10,000	30	4	5	1 3/8x2 3/8x1 3/8"	1.74
54 C 1449	25,000	5	4	5	1 3/8x2 3/8x1 3/8"	2.08

## UNIVERSAL OUTPUT TRANSFORMERS

CT primary, except \*single-ended output. 6 taps on secondary. Match single-ended or push-pull operated tubes to voice coil of speaker.

Stock No.	Fig.	Primary Impedances	Watts	Mtg. Ctrs.	Wt., Lbs.	EACH
54 C 2023	B	2000-14,000 ohms	4	2"	1/2	2.69
54 C 2021	B	2000-14,000 ohms	8	2 3/8"	3/4	3.02
54 C 1452	C	2000-14,000 ohms	8	2"	3/4	3.25
54 C 2022	C	2000-14,000 ohms	18	2 3/8"	1 1/4	4.21
54 C 1453	B	6000-10,000 ohms	8	2 1/8"	1 1/4	3.78
54 C 1404	B	*7000-10,000 ohms	4	2"	1/2	1.97
54 C 1454	B	5000, 10K, 20K	15 mA	2 1/8"	1	4.52

## FIXED-IMPEDANCE OUTPUT TRANSFORMERS

For a wide variety of audio applications. All have center-tapped primary for push-pull operation.

Stock No.	Fig.	Impedance, Ohms		Audio Watts	Mtg. Centers	Wt., Lbs.	EACH
		Primary	Secondary				
54 C 1457	A	4000	8/16/32	7 1/2	3 1/8"	1 3/4	4.48
54 C 1455	E	6600	4/8/16/250/500	35	2 1/2x2 1/4"	5 1/2	10.11
54 C 1456	A	25K	4	5	2"	1 1/2	2.55

## HIGH-FIDELITY PUSH-PULL OUTPUT TRANSFORMERS

For use in high-fidelity audio amplifiers. Screen taps on primary for ultra-linear operation, except \*no screen tap. Frequency response flat from 15 to 35,000 Hz, except types without screen tap flat 20-20,000 Hz. Secondaries 4, 8, 16 ohms, except †8, 16.

Stock No.	Fig.	Watts	P-P Imp.	mA	Size H x W x D	Wt., Lbs.	EACH
54 C 2082	H	12	8000	60	3 3/4x3x3 1/4"	3 1/2	11.69
54 C 2018	H	*18	8000	65	3 3/4x3x3 1/4"	3 1/2	12.56
54 C 2019	G	30	6600	100	4 1/4x3 5/8x4 1/2"	7	20.52
54 C 2024	E	12	8000	60	3 1/8x2 5/8x2 3/4"	2 1/2	9.96
54 C 2058	A	*18	8000	65	2 5/8x4x2 1/2"	2 1/4	7.83
54 C 2054	E	24	6600	75	3 7/8x3 1/4x3 7/8"	6	16.76
54 C 2059	E	30	6600	100	3 7/8x3 1/4x4"	6	17.48
54 C 2395	E	*†50	5000	150	4 1/4x3 1/2x4"	7	16.64
54 C 2397	E	*†50	6600	125	4 1/4x3 1/2x4"	7 1/4	16.64

## OSCILLOSCOPE TRANSFORMERS

Pri. 117 V 60 Hz; \*50-60 Hz. †2.5 V @ 2.2A; or 6.3 V @ 0.6 A. ††2.5 V @ 2.2 A.

Stock No.	Fig.	Plate Supply Volts AC	DC mA	Rect. Volts	Fil. Amps	Mtg. Centers	Wt., Lbs.	EA.
54 C 3726	G	1500 halfwave	1.5	2.5	1.75	1 3/4x2 1/16"	1 3/4	10.29
54 C 3727**	E	1800 halfwave	2.0	2.5	1.8	2 1/2x2 1/16"	5	11.09
54 C 3728††	E	2400 halfwave	5.0	2.5	2.0	2 3/4x2 3/4"	6 1/2	14.40

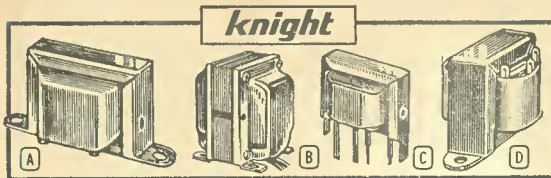
## U.I. RECOGNIZED CONTROL TRANSFORMERS



Industrial control transformers, recognized under the Component Program of Underwriter's Laboratories, Inc., for use where a 120-volt or low voltage 24-volt line is required. For 50/60 Hz operation. \*Mounts onto a standard conduit box.

Stock No.	Fig.	VA Rating	Size, H x W x D	Mtg. Ctr's W x D	Wt., Lbs.	EACH
54 C 2275	K	50	4 5/32x4 7/32x4	3 1/4x1 3/16	5	6.70
54 C 2276	J	100	3 1/2x3 3/4x4 1/4	3 1/4x1 3/16	5	9.00
54 C 2277	J	150	3 1/2x3 3/4x5	3 1/4x2 9/16	6 7/8	9.30
54 C 2278	L	250	4x4 1/2x4 7/8	3 3/4x3 3/16	10 1/4	13.90

# Transformers, TV Flybacks and Yokes



## TRANSISTOR TRANSFORMERS

Allied's own line of economically priced, ruggedly constructed, transistor transformers. All are made from high-quality materials and provide excellent power-handling capabilities and frequency response along with a minimum amount of distortion. Included are a wide selection of miniature input, output, interstage and driver transformers in a variety of impedances and ratio values for most transistor circuit requirements. In tables below, impedance and resistance values are given in ohms. Av. shpg. wt., 6 oz. Write, wire or phone Allied for information on quantity purchases of ten or more transformers of one type.

### INPUT TRANSFORMERS

Stock No.	Fig.	Pri. Imp.	Sec. Imp.	Watts	Size H x W x D	Mtg. Ctrs.	EACH
54 C 4146	A	600 CT	10K	.050	1 3/16 x 1 3/8 x 3/4"	1 3/8"	2.36
54 C 2355	A	30 CT	50K	.150	2 1/2 x 1 3/8 x 3/4"	2 3/8"	4.03
54 C 2356	A	1K CT	200K CT	.300	1 3/16 x 1 3/8 x 3/4"	1 3/8"	4.03

### OUTPUT TRANSFORMERS

Stock No.	Fig.	Pri. Imp.	Sec. Imp.	Watts	Size H x W x D	Mtg. Ctrs.	EACH
54 C 2357	C	350 CT	4.12	.150	2 1/2 x 1 3/8 x 3/4"	2 5/8"	3.90
54 C 2358	C	500 CT	4.8.16	.150	2 1/2 x 1 3/8 x 3/4"	2 5/8"	4.03
54 C 2359	C	600 CT	4.8.16	.150	2 1/2 x 1 3/8 x 3/4"	2 5/8"	4.24
54 C 2360	C	825 CT	4.8.16	.150	2 1/2 x 1 3/8 x 3/4"	2 5/8"	4.03
54 C 2361	C	1250	4.12	.150	2 1/2 x 1 3/8 x 3/4"	2 5/8"	3.84
54 C 2362	C	2500	4.16	.150	2 1/2 x 1 3/8 x 3/4"	2 5/8"	3.84
54 C 2363	C	10K CT	4.8.16	.150	2 1/2 x 1 3/8 x 3/4"	2 5/8"	4.15
54 C 2364	A	2000 CT	4.8.16	.200	1 3/8 x 1 3/8 x 3/4"	1 3/8"	6.11
54 C 2365	A	100 CT	4.8.16	.300	1 3/8 x 1 3/8 x 3/4"	1 3/8"	4.16
54 C 2367	A	400 CT	4.8.16	.300	1 3/8 x 1 3/8 x 3/4"	1 3/8"	4.07
54 C 2368	A	500 CT	4.8.16	.300	1 3/8 x 1 3/8 x 3/4"	1 3/8"	4.07
54 C 2369	A	700 CT	4.8.16	.300	1 3/8 x 1 3/8 x 3/4"	1 3/8"	4.34
54 C 2370	A	2500	4.8.16	.300	1 3/8 x 1 3/8 x 3/4"	1 3/8"	4.07
54 C 2371	A	3000	4.8.16	.300	1 3/8 x 1 3/8 x 3/4"	1 3/8"	4.07
54 C 2336	A	48 CT	8.16	5	2 x 3 3/8 x 1 3/4"	2 1/2"	4.50
54 C 2337	A	20 CT	8	10	1 7/8 x 2 3/8 x 1 3/4"	2"	2.28
54 C 4147	A	48 CT	3.2.8.16	10	2 1/2 x 2 7/8 x 2"	2 3/8"	3.70
54 C 4149	A	100 CT	3.2.8.16	10	2 3/8 x 2 7/8 x 2"	2 3/8"	3.70

### INTERSTAGE TRANSFORMERS

Stock No.	Fig.	Pri. Imp.	Sec. Imp.	Watts	Size H x W x D	Mtg. Ctrs.	EACH
54 C 2340	A	500 CT	5K CT	1.0	1 7/8 x 2 3/8 x 1 3/8"	2"	3.11
54 C 2372	C	100 CT	10 CT	.150	2 1/2 x 1 3/8 x 3/4"	2 5/8"	3.86
54 C 2373	C	500 CT	50	.150	2 1/2 x 1 3/8 x 3/4"	2 5/8"	3.99
54 C 2374	C	500 CT	50K	.150	2 1/2 x 1 3/8 x 3/4"	2 5/8"	4.07
54 C 2375	C	1200	20K CT	.150	2 1/2 x 1 3/8 x 3/4"	2 5/8"	3.90
54 C 2376	C	1500	500 CT	.150	2 1/2 x 1 3/8 x 3/4"	2 5/8"	3.80
54 C 2377	C	5K CT	7500 CT	.150	2 1/2 x 1 3/8 x 3/4"	2 5/8"	4.02
54 C 2378	C	5K CT	10K CT	.150	2 1/2 x 1 3/8 x 3/4"	2 5/8"	3.97
54 C 2386	C	10K	200 CT	.150	2 1/2 x 1 3/8 x 3/4"	2 5/8"	3.90
54 C 2387	C	10K	2K CT	.150	2 1/2 x 1 3/8 x 3/4"	2 5/8"	3.97
54 C 2390	C	500 CT	150 CT	.150	2 1/2 x 1 3/8 x 3/4"	2 5/8"	3.90
54 C 4180	C	20K	800 CT	.150	2 1/2 x 1 3/8 x 3/4"	2 5/8"	3.29
54 C 2338	A	100 CT	10 CT	.250	1 1/4 x 2 1/8 x 1 3/8"	1 3/4"	2.29
54 C 2339	A	100	1K CT	.250	1 1/4 x 2 1/8 x 1 3/8"	2"	2.29
54 C 2391	A	100K	1500 CT	.300	1 3/8 x 1 3/8 x 3/4"	1 3/8"	4.05
54 C 4174	A	500 CT	500 CT	.300	1 3/8 x 1 3/8 x 3/4"	1 3/8"	3.78

### DRIVER TRANSFORMERS

Stock No.	Fig.	Pri. Imp.	Sec. Imp.	Watts	Size H x W x D	Mtg. Ctrs.	EACH
54 C 4151	A	1000	200 CT	.050	5/8 x 1 1/2 x 1/2"	1 1/8"	5.57
54 C 4153	A	100	200 CT	.500	1 1/2 x 2 x 1 1/4"	1 3/4"	2.55
54 C 4166	A	500 CT	100 CT	.500	1 1/2 x 2 x 1 1/4"	1 3/4"	5.15
54 C 4152	A	20	36 CT	1.0	1 1/2 x 2 1/2 x 1 1/4"	2 1/2"	2.26
54 C 3986	A	Pri.-1/2 Sec. Ratio 1:1			1 1/2 x 2 1/2 x 1 1/4"	2"	3.11

### POWER TRANSFORMERS WITH 117-VAC PRIMARIES

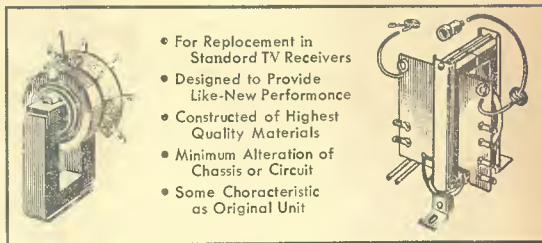
Stock No.	Description	Size H x W x D	Wt. Lbs.	EA.
54 C 3987	Sec. 13 or 18 VAC, 900 mA, DC	3 1/2 x 2 3/8 x 2 1/8"	3	5.72
54 C 3988	Sec. 80 VCT, 1.2 A	3 1/2 x 2 1/8 x 3 1/8"	4 1/2	7.82

### D AUDIO TRANSFORMER

Primary impedance: 2000 ohms, center tapped. Secondary impedance: 200 ohms, center tapped. Maximum primary DC current: 10 mA. Audio watts: 0.1. 1/2 x 1 1/2 x 1/2". Mtg. centers: 1 1/8". Shpg. wt., 1/2 lb.

54 C 3985..... Each 6.06

## STANCOR REPLACEMENT TV HORIZONTAL OUTPUT TRANSFORMERS



- For Replacement in Standard TV Receivers
- Designed to Provide Like-New Performance
- Constructed of Highest Quality Materials
- Minimum Alteration of Chassis or Circuit
- Some Characteristic as Original Unit

Top-quality flyback transformers for replacement in standard television receivers. Every transformer faithfully duplicates electrical characteristics of the original unit. Manufacturer's own specifications throughout; performance is identical in every respect. Minimum alteration of existing circuit or chassis is required; easy installation is assured. Stancor's high degree of quality material and production control insures the utmost in product reliability at the lowest possible cost. \*Color. Shpg. wt. per transformer, 1 lb.

Stock No.	Mfr.	Type	Mfr. Part	EACH
54 C 1206	Admiral	HO-164	79D47	11.42
54 C 1207	Admiral	HO-204	79C60-1-4	8.94
54 C 3459	Admiral	HO-242	79D65-1	8.94
54 C 1204	Admiral	HO-301	79D65-2-4	9.84
54 C 4492	Admiral	HO-351	79E77-11/14/15	9.00
54 C 1208	Admiral	HO-381	79D83-14-15	9.90
54 C 1209	Admiral	HO-383	79D83-10-11-12	8.22
54 C 1210	Admiral	HO-383	79D83-10-11-12	9.00
54 C 1211	Admiral	HO-384	79D83-13	9.90
54 C 1212	Admiral	HO-385	79D109-3	9.00
54 C 1214	Admiral	HO-397	750C647-3	9.00
54 C 1215	Admiral	HO-398	750C647-4	10.38
54 C 1216	Admiral	HO-404	79D117-1	6.67
54 C 1217	Admiral	HO-405	79D117-2-3-4-5	6.67
54 C 1219	Emerson	HO-403	738192	10.20
54 C 3470	GE	HO-254	RTO-129-183-190	8.94
54 C 1568	GE	HO-377	WT-77x41, 42, 44, 45	9.90
54 C 1220	GE	HO-378	WT-77x43, 46, 47, 48	8.10
54 C 1221	GE	HO-389	ET-77X74	9.90
54 C 1222	GE	HO-390	ET-77X85, 86	8.10
54 C 1223	GE	HO-394	ET-77X69	8.10
54 C 1224	GE	HO-395	ET-77X67	9.10
54 C 1225	GE	HO-402	ET-77X90	8.60
54 C 1226	Magnavox	HO-379	360-881-1	9.00
54 C 1227	Motorola	HO-280	24K741938	11.42
54 C 1213	Motorola	HO-293	24C736488	12.00
54 C 1184	Motorola	HO-344	24K748397-W	9.90
54 C 1569	Olympic	HO-315	TR-3599-A-D-1-2-3-4-5-6	9.90
54 C 1230	Zenith	HO-271	S22448, S22451, S23995 S23998, S24095	8.10
54 C 1231	Zenith	HO-363	49918, 50095, 50097	9.90
54 C 1232	Zenith	HO-364	S51583, S5840-C, S58826	9.90
54 C 1233	Zenith	HO-366	546564	9.90
54 C 1563	Zenith	HO-380	S58350-S65352-S66717-S68398	11.96
54 C 1589	.....	HO-600C*	Multipurpose	14.40
54 C 1188	.....	HO-601C*	Multipurpose	13.50
54 C 1218	Admiral	HO-602C*	Multipurpose	15.00
54 C 1235	Admiral	HO-607C*	Multipurpose	15.00

### DEFLECTION YOKES

For 110° deflection angle picture tubes except 190°, 170°. Have ferrite cores with cosine-wound windings. All have networks and extra-long leads where needed. \*Color. Av. shpg. wt. per yoke, 1 1/2 lbs.



Stock No.	Type	Mfr. Part	EACH
54 C 4590	DY-9A†	Multipurpose	10.24
54 C 4596	DY-41A†	Multipurpose	11.24
54 C 1238	DY-1A†	Multipurpose	11.42
54 C 1236	DY-16A†	Multipurpose	11.90
54 C 1243	DY-23A†	RCA 972459	10.80
54 C 1570	DY-26A	RCA 906125-504	12.55
54 C 1245	DY-27A	RCA 109965	11.40
54 C 1246	DY-32A†	Motorola 24K74793 (W)	11.10
54 C 1247	DY-38A	Multipurpose	11.24
54 C 1248	DY-39A†	Zenith 95-1427	10.85
54 C 1249	DY-40A	GE M1233655-1-2-3-5	10.80
54 C 1250	DY-41A†	RCA 79510, 79868	11.24
54 C 1251	DY-42A	RCA 103830	10.80
54 C 1252	DY-44A	Multipurpose	11.90
54 C 1255	DY-45A	Multipurpose	13.20
54 C 1256	DY-46A	Olympic CL26215, CL27854	12.00
54 C 1274	DY-51A	Packard-Bell 29758, A	13.20
54 C 1257	DY-53A	Philco 7610282-5	13.20
54 C 1259	DY-54A	Philco 7612530	13.20
54 C 1260	DY-56A	Zenith 95-2188	12.21
54 C 1261	DY-57A†	Multipurpose	15.00
54 C 1262	DY-58A†	Multipurpose	15.00
54 C 1263	DY-59A†	Multipurpose	13.20
54 C 1264	DY-61A†	Multipurpose	13.22
54 C 1265	DY-63A	Multipurpose	13.17
54 C 1590	DY-90AC*†	Multipurpose	29.70
54 C 1266	DY-91AC*†	Zenith 95-2501	26.19



# Variable and Fixed-Voltage Transformers

## STANCOR TRANSFORMERS

### LOW-CURRENT CONTROL TRANSFORMERS

Versatile low-current transformers with many design and engineering applications. All have three isolated secondaries (one with center tap) for many combinations of output voltages and currents. May be series or parallel connected. Applications include: pilot light, miniature relays, low-current, low-voltage

power supplies. Lead wire terminations for fast, easy connections to circuit. Color-coded (two black leads for primary; brown and silver leads for 1st secondary; blue and red leads for 2nd secondary; green and yellow leads for 3rd secondary, with green and yellow center tap lead). 117 V 60 Hz primary, 12-V, secondaries.

Stock No.	Mfr's Type	Fig.	Amps Each Sec.	Size H x W x D	Wt., Lbs.	EACH
54 C 3419	P-8361	A	.10	1 1/2 x 2 x 1 3/4"	1/3	3.73
54 C 3420	P-8362	A	.15	1 3/4 x 2 3/8 x 2"	2/3	3.85
54 C 3421	P-8363	A	.25	1 3/4 x 2 7/8 x 2 3/8"	1	4.04
54 C 3429	P-8364	A	.50	2 1/8 x 2 7/8 x 2 3/8"	1 1/4	4.68

### MINIATURIZED CONTROL TRANSFORMERS

Primary 117 volts, 60 Hz AC; secondary, 12 volts. Lead wire terminations.

Stock No.	Mfr's Type	Fig.	Secondary Amps			Size H x W x D	Wt., Lbs.	EACH
			rms	Bridge	Half-Wave			
54 C 3432	P-8390	B	.150	.100 DC	.050 DC	1 1/4 x 2 1/8 x 1 1/4"	1/4	3.27
54 C 3433	P-8391	B	.350	.225 DC	.110 DC	1 3/8 x 2 3/8 x 1 3/8"	1/3	3.39
54 C 3435	P-8392	B	.700	.450 DC	.225 DC	1 1/2 x 2 7/8 x 1 5/8"	2/3	3.54
54 C 3436	P-8393	B	1.200	.750 DC	.375 DC	1 5/8 x 3 1/4 x 2"	1	4.47

Primary, 117 volts, 60 Hz AC; secondary 24 volts, CT. Lead wire terminations.

Stock No.	Mfr's Type	Fig.	rms	Bridge	Half-Wave	Size H x W x D	Wt., Lbs.	EACH
54 C 3441	P-8394	B	.085	.135 DC	.065 DC	1 1/4 x 2 1/8 x 1 1/4"	1/4	3.57
54 C 3442	P-8395	B	.200	.275 DC	.135 DC	1 3/8 x 2 3/8 x 1 3/8"	1/3	3.72
54 C 3445	P-8396	B	.400	.550 DC	.270 DC	1 1/2 x 2 7/8 x 1 5/8"	2/3	3.87
54 C 3453	P-8397	B	.700	.925 DC	.450 DC	1 5/8 x 3 1/4 x 2"	1	4.80

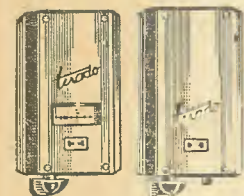
### TRANSISTOR STEREO POWER TRANSFORMERS

Designed to provide the most popular DC voltage and current ratings from full wave center tap or bridge

rectifier circuits. With 117 volt, 60 Hz primary and lead terminations. 1500 volts rms insulation tested.

Stock No.	Mfr's Type	Fig.	Secondary #1		Secondary #2		Size, In. H x W x D	Wt. Lbs.	EACH
			Volts	Amps	Volts	Amps			
54 C 1275	P-8197	C	50 CT	1.0 rms	...	.....	3 1/8 x 2 1/2 x 2 1/2"	2 1/4	6.46
54 C 1276	P-8198	C	54 CT	0.5 rms	6.3	.5 rms	2 5/8 x 2 1/4 x 2 5/8"	1 3/4	5.99
54 C 1277	P-8193	D	17/18	6.0 rms	...	.....	3 1/8 x 3 1/8 x 3 5/8"	6	10.97
54 C 1278	P-8194	D	36	3.0 rms	36	3.0 rms	4 9/16 x 3 3/4 x 3 11/16"	10	18.48
54 C 1279	P-8196	C	80 CT	1.2 DC	...	.....	3 1/2 x 2 13/16 x 3 3/8"	4 1/2	8.42

### TERADO 110-AC LINE VOLTAGE ADJUSTERS



**E** Model 50-172 "Sturn" Adjuster. Changes AC line input voltage by as much as 25 volts above or below the normal 110-120 volt AC range. Built-in AC voltmeter provides accurate voltage control. Capacity: 300 watts continuous; 500 watts intermittent. Can be used to regulate the speed of any power tool with up to 1/2 hp rating. (Decreases speed without any noticeable power torque loss.) Dims or brightens incandescent lamps. Excellent for increasing or decreasing AC line voltage where exact voltages are needed for precision equipment. Size, 5 1/2 x 3 x 2 1/4". Shpg. wt., 3 lbs. 21 C 4449.....14.64

**F** Model 50-173 "Jupiter" Adjuster. Increases or decreases speed of hand tools operating from 110-120 volt AC line. Changes regular line voltage 20 volts above normal, or lowers voltage in seven steps to 50 volts. Capacity: 300 watts continuous; 500 watts intermittent. Size, 5 1/2 x 3 1/2 x 2 1/4". Shpg. wt., 3 lbs. 21 C 4450.....12.63

**F** Model 50-203 "Planet" Adjuster. Designed for increased efficiency of light-duty motorized equipment, hi-fi, portable TV. Output: 95-135 volts from 110-120 VAC input. Capacity: 150 watts continuous; 300 watts intermittent. 5 1/2 x 3 x 2 1/4". Shpg. wt., 2 lbs. 21 C 4451.....7.80

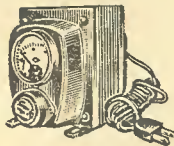
**F** Model 50-204 "Polaris" Adjuster. As "Planet" above, but for higher wattages. Output: 95-135 V. Capacity: 300 watts continuous; 500 watts intermittent. 5 1/2 x 3 x 2 1/4". Shpg. wt., 3 lbs. 21 C 4452.....9.20

### ACME TYPE T8394M VOLTAGE ADJUSTER



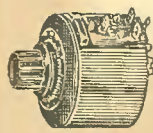
Constant duty, tapped-winding transformer for use where line voltage is above or below normal for long periods of time. With regulating switch and built-in voltmeter. Rated 300 watts. Regulating input switch positions for 95, 100, 105, 110, 115, 120, and 125 volt 50-60 Hz. Has secondary receptacle and 8-ft. cord. 4 3/4 x 4 x 5". 54 C 2514. Shpg. wt., 6 lbs.....13.40

### ACME TYPE T10306 VOLTAGE ADJUSTER



Constant-duty 150 watt step-up/step-down transformer. Built-in voltmeter shows secondary output. Primary winding tapped for 65, 75, 90, 115, 130, 145 volts, 50-60 Hz. Nonaging silicon steel laminations. Coils impregnated with high dielectric insulating material. With 8' cord, plug, output receptacle. 4 1/4 x 4 1/4 x 4 1/4". Mtg. center, 5 1/4 x 3 1/4". 54 C 2501. Shpg. wt., 7 lbs.....20.80

### OHMITE SMALL VARIABLE TRANSFORMERS



Three-bushing-mounted variable transformers offer six ratings from 1 to 3 amps. Wide frequency range extends from 60 to over 400 Hz on all models. Exclusive adjustable shaft makes it possible to extend shaft from either end. Shaft may also be removed, and a longer one substituted. Also features replaceable snap-in brush contact with built-in heat sink. Diameter (all models): 2 7/8". Length: VT1, 1 1/8"; VT02, 2 5/8"; VT3, 2 1/8".

Stock No.	Mfr's Type	Max. Amps	Max. V Input	Output Volts	Wt., Lbs.	EACH
54 C 3800	VT1	1.0	120	0-120/132	1 1/2	9.00
54 C 3801	VTIN	1.2	120	0-120	1 1/2	9.00
54 C 3802	VT02	1.75	120	0-120/132	2 1/4	10.00
54 C 3803	VT02N	2.0	120	0-120	2 1/4	10.00
54 C 3804	VT3	2.6	120	0-120/132	3	11.50
54 C 3805	VT3N	3.0	120	0-120	3	11.50
54 C 3806	6507	Brush Contact Assembly			1 oz.	1.00

# Variable Autotransformers

## STACO VARIABLE AUTOTRANSFORMERS

Wide selection of variable transformers designed for efficiency, reliability and minimum maintenance. Where possible, all models have epoxy coated coils for increased commutator stability. Optimum core and coil design results in higher current ratings and greater overload capabilities. Units are designed to deliver output voltages of zero to line voltage or zero to 17% above line voltage. Terminals permit connection for increasing voltage with either clockwise or counterclockwise rotation of the knob. Regulation is substantially independent of the load; zero waveform distortion. Experiences only moderate temperature rise during operation. Precious metal plating of commutator surface. Operate at 50-60 Hz, except: \*60 Hz operation only at over voltage.

### 120-VOLT SINGLE-PHASE PANEL MOUNTING

Stock No.	Mfr's Type	Mfr's Old Type	Fig.	Output			Size	Wt., Lbs.	EACH
				Volts	Amps	kVA			
54 C 2583	121	100BU	A	*0-120/132	1.25	.165	2 <sup>3</sup> / <sub>16</sub> x2 <sup>3</sup> / <sub>32</sub> "	3	10.00
54 C 4307	171	175BU	A	*0-120/132	1.75	.23	2 <sup>3</sup> / <sub>16</sub> x2 <sup>3</sup> / <sub>16</sub> "	3	10.25
54 C 2579	251	250BU	A	*0-120/132	2.5	.33	2 <sup>3</sup> / <sub>16</sub> x2 <sup>3</sup> / <sub>16</sub> "	3.5	11.25
54 C 2580	301	300BU	B	*0-120/140	3.0	.42	3 <sup>1</sup> / <sub>16</sub> x3 <sup>1</sup> / <sub>16</sub> "	5	15.50
54 C 4306	371	375BU	C	*0-120/140	3.75	.53	3 <sup>3</sup> / <sub>4</sub> x3 <sup>3</sup> / <sub>4</sub> x3 <sup>1</sup> / <sub>4</sub> "	5	13.75
54 C 1614	501	451	C	0-120/140	5.0	.70	3 <sup>3</sup> / <sub>4</sub> x3 <sup>3</sup> / <sub>4</sub> x3 <sup>3</sup> / <sub>16</sub> "	5	16.00
54 C 1967	601	T51U	C	0-120/140	6.0	.84	4 <sup>1</sup> / <sub>2</sub> x4 <sup>1</sup> / <sub>2</sub> x3 <sup>1</sup> / <sub>16</sub> "	6	21.00
54 C 2582	751	500BU	D	0-120/140	7.5	1.05	5 <sup>1</sup> / <sub>16</sub> x5"	10	20.00
54 C 4681	SQ751	SQ500BU	C	0-120/140	7.5	1.05	4 <sup>1</sup> / <sub>2</sub> x4 <sup>1</sup> / <sub>2</sub> x3 <sup>1</sup> / <sub>16</sub> "	10	19.50
54 C 1615	1010	1000	E	0-120/140	10.0	1.4	5 <sup>1</sup> / <sub>16</sub> x5x4 <sup>3</sup> / <sub>16</sub> "	11	20.50

### 120-VOLT SINGLE-PHASE PORTABLES WITH CORD AND RECEPTACLE

Models housed in rugged case and include pilot light, switch, fuse, line cord and plug with matching receptacle. 2PF models are equipped with 2-wire cord, plug and receptacle; 3-wire grounded cord, plug and receptacle. \*\*60 Hz only.

Stock No.	Mfr's Type	PA-175	Fig.	**0-112	1.75	.23	3 <sup>7</sup> / <sub>8</sub> x3 <sup>7</sup> / <sub>8</sub> x3 <sup>1</sup> / <sub>2</sub> "	3.5	19.00
54 C 0977	2PF171	PA-175	F	**0-112	1.75	.23	3 <sup>7</sup> / <sub>8</sub> x3 <sup>7</sup> / <sub>8</sub> x3 <sup>1</sup> / <sub>2</sub> "	3.5	19.00
54 C 2581	2PF751	500B	G	0-120/140	7.5	1.05	5 <sup>1</sup> / <sub>16</sub> x7 <sup>1</sup> / <sub>4</sub> x5 <sup>3</sup> / <sub>4</sub> "	11	28.00
54 C 1618	3PN1010	3PN1000	H	0-120/140	10.0	1.4	6 <sup>7</sup> / <sub>8</sub> x5x4 <sup>3</sup> / <sub>16</sub> "	12.5	32.50

### DELUXE AUTOTRANSFORMERS FOR CLASSROOM, LABORATORY AND PRODUCTION USES

Staco Variable Voltage Autotransformers combine the best in electrical and construction principles for long, efficient operation in the classroom, laboratory or production line. Safe to use and tamperproof—designed with student curiosity in mind. Positive stops on all control knobs. Convenient outlets on most models. Circuit breakers used where possible to avoid fuse replacement. Pilot lights on all models. Rated for continuous operation at output voltages 10% to 17% over input voltage. Efficiency is as high as 98%, with better than 5% voltage regulation at maximum output voltage and rated current. Silicon steel cores. Diode protected meter movements are accurate within 2%. Type E501V has built-in voltmeter. All have 120 V outlet, except †. All 50-60 Hz AC, except †, 60 Hz only.

### WIDE RANGE OF OUTPUTS TO MEET VIRTUALLY EVERY REQUIREMENT

Stock No.	Mfr's Type	Fig.	AC Input		AC Output		kVA	Size, Inches	Wt., Lbs.	EACH
			Volts	Volts	Amps	Amps				
54 C 1600	E171	J	120	0-132	1.75	.23	5 <sup>7</sup> / <sub>8</sub> x9 <sup>9</sup> / <sub>16</sub> x3 <sup>5</sup> / <sub>8</sub> "	9	25.50	
54 C 1601	E371	J	120	0-120/0-140	3.75	.52	7 <sup>3</sup> / <sub>8</sub> x11 <sup>13</sup> / <sub>16</sub> x4 <sup>7</sup> / <sub>8</sub> "	12	27.00	
54 C 1612 X	E501V	K	120	0-120/0-140	5	.7	7 <sup>3</sup> / <sub>8</sub> x11 <sup>5</sup> / <sub>16</sub> x5 <sup>5</sup> / <sub>8</sub> "	13	60.00	
54 C 1603 X	E1010	J	120	0-120/0-140	10	1.4	7 <sup>3</sup> / <sub>8</sub> x11 <sup>19</sup> / <sub>16</sub> x5 <sup>7</sup> / <sub>8</sub> "	19	40.50	
54 C 1606 X	E1210†	J	120	0-120	12	1.44	7 <sup>3</sup> / <sub>8</sub> x11 <sup>19</sup> / <sub>16</sub> x5 <sup>7</sup> / <sub>8</sub> "	20	48.00	
54 C 1607 X	E1020†	J	240	0-280	3.5	.98	7 <sup>3</sup> / <sub>8</sub> x11 <sup>19</sup> / <sub>16</sub> x5 <sup>7</sup> / <sub>8</sub> "	19	48.50	
54 C 1608 K	E1710†	L	120	0-140	17	2.38	11 <sup>1</sup> / <sub>4</sub> x14 <sup>9</sup> / <sub>16</sub> x5 <sup>7</sup> / <sub>8</sub> "	35	84.20	
54 C 1609 K	E1720†	L	240	0-280	10	2.8	11 <sup>1</sup> / <sub>4</sub> x14 <sup>9</sup> / <sub>16</sub> x5 <sup>7</sup> / <sub>8</sub> "	35	86.50	

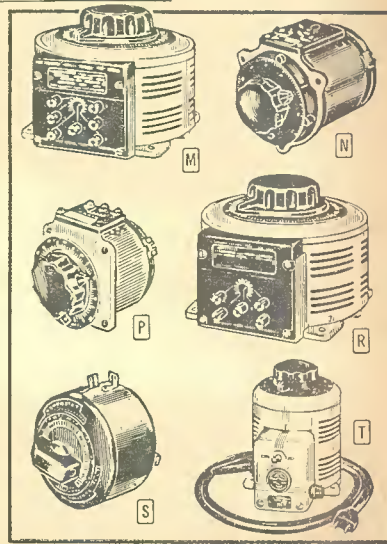
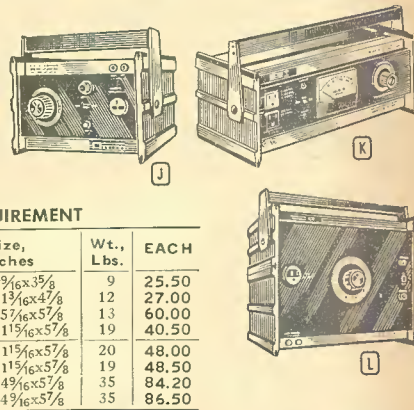
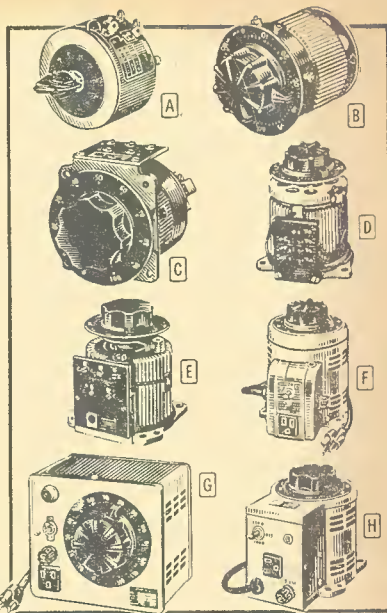
### SUPERIOR POWERSTAT® VARIABLE TRANSFORMERS

Deliver continuously adjustable output voltage from AC line. Zero waveform distortion, good regulation, conservative ratings. For 50-60 Hz. (60 Hz only.) Enclosed for plane-surface mtg. except 10B, 21, 22. Suffix "U" indicates open types for panel mtg. Series 21, 22, 126, 136B, 236B are for panel or surface mtg. Prefix "Q" same as Fig. P, but 4-hole square mtg. plate. †When mounted on metal panel; for non-metal panel, or bracket mtg., derate to 1.75 amps with corresponding reduction in maximum kVA.

### SINGLE-PHASE TYPES

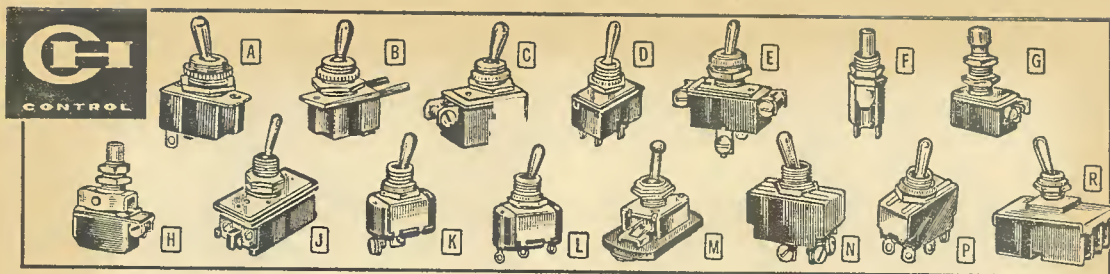
\*In table indicates unit is equipped with 3-wire plug and receptacle. Type 22 uses new coil-winding technique for higher voltage rating without size and weight increase.

Stock No.	Mfr's Type	Fig.	Input Volts	Output			Max. Size (DWH)	Wt., Lbs.	EACH
				Volts	Amps	kVA			
54 C 1667	†117BU	N	120	0-120	12.0	1.4	5x5 <sup>1</sup> / <sub>8</sub> x5 <sup>3</sup> / <sub>4</sub> "	11	23.00
54 C 4310	†Q117U	N	120	0-120	12.0	1.4	4 <sup>7</sup> / <sub>8</sub> x4 <sup>1</sup> / <sub>4</sub> x5 <sup>1</sup> / <sub>16</sub> "	11	23.00
54 C 1163	21	P	120	0-140	4.5	0.63	3 <sup>3</sup> / <sub>8</sub> x3 <sup>3</sup> / <sub>4</sub> x4 <sup>1</sup> / <sub>2</sub> "	6	16.00
54 C 2524	116BU	N	120	0-140	10.0	1.4	5x5 <sup>1</sup> / <sub>8</sub> x5 <sup>3</sup> / <sub>4</sub> "	11	21.00
54 C 4311	†Q116U	N	120	0-140	9.0	1.3	4 <sup>7</sup> / <sub>8</sub> x4 <sup>1</sup> / <sub>4</sub> x5 <sup>1</sup> / <sub>16</sub> "	11	21.00
54 C 1669	126U	R	120	0-140	15.0	2.1	4 <sup>1</sup> / <sub>4</sub> x6x6 <sup>3</sup> / <sub>4</sub> "	16	39.00
54 C 2543 K	136B	M	120	0-140	22.0	3.1	8 <sup>7</sup> / <sub>8</sub> x7 <sup>3</sup> / <sub>8</sub> x6 <sup>1</sup> / <sub>8</sub> "	24 <sup>1</sup> / <sub>2</sub>	62.00
54 C 2577 K	146	M	120	0-140	30.0	4.2	11x10x6 <sup>3</sup> / <sub>8</sub> "	38	98.00
54 C 4316	Q216U	N	240	0-280	3.5	0.98	4 <sup>7</sup> / <sub>8</sub> x4 <sup>1</sup> / <sub>4</sub> x5 <sup>1</sup> / <sub>16</sub> "	11	25.00
54 C 1673	†217BU	N	240	0-240	5.0	1.2	5x5 <sup>1</sup> / <sub>8</sub> x5 <sup>3</sup> / <sub>4</sub> "	11	27.00
54 C 3024	22	P	240	0-280	2.25	0.63	4 <sup>9</sup> / <sub>16</sub> x3 <sup>3</sup> / <sub>4</sub> x4 <sup>1</sup> / <sub>16</sub> "	6	24.00
54 C 1678 K	236B	M	120-240	0-280	10.0	2.8	8 <sup>7</sup> / <sub>8</sub> x7 <sup>3</sup> / <sub>8</sub> x6 <sup>1</sup> / <sub>8</sub> "	23 <sup>3</sup> / <sub>4</sub>	62.00
54 C 1666	*3PN117B	T	120	0-120	12.0	1.4	7 <sup>1</sup> / <sub>8</sub> x5 <sup>1</sup> / <sub>8</sub> x6 <sup>1</sup> / <sub>2</sub> "	12	37.00
54 C 2536	†10B	S	120	0-132	†22.5	0.3	2 <sup>1</sup> / <sub>8</sub> x2 <sup>1</sup> / <sub>8</sub> x3 <sup>1</sup> / <sub>8</sub> "	2.4	11.00
54 C 2525	116B	T	120	0-140	10.0	1.4	7 <sup>1</sup> / <sub>8</sub> x5 <sup>1</sup> / <sub>8</sub> x6 <sup>1</sup> / <sub>2</sub> "	12	29.00
54 C 2527	216B	T	240	0-280	3.5	0.98	7 <sup>1</sup> / <sub>8</sub> x5 <sup>1</sup> / <sub>8</sub> x6 <sup>1</sup> / <sub>2</sub> "	12	33.00





# Cutler-Hammer Switches



## AC-DC PUSHBUTTON AND TOGGLE SWITCHES

### LIGHT-DUTY TYPES

Convenient one-hole-mounting switches for installation on flat surfaces. Phenolic case.  $1\frac{1}{2}$ " dia. threaded stem;  $1\frac{1}{2}$ " stem length, except  $\frac{1}{4}$ "  $1\frac{1}{2}$ " wire leads;  $\dagger$ screw terminals—others solder lug terminals. ■U.L. Recog., C.S.A. Listed. Av. wt., 3 oz.

SPST					
Stock No.	Mfr's Type	Fig.	Amperes 125V 250V	EACH	
56 C 4527	8280K14*	A	3	.63	
56 C 4500	8280K16	A	3	.63	
56 C 4784	8290K16†	B	3	.76	
56 C 4786	8295K8†	C	3	.76	
56 C 4508	8381K8	C	6	.72	
56 C 4789	8391K8†	B	6	.85	
56 C 4791	8396K8†	C	6	.85	

SPDT					
Stock No.	Mfr's Type	Fig.	3	1	EACH
56 C 4528	8282K12*	D	3	1	.79
56 C 4501	8282K14	D	3	1	.79

DPST					
Stock No.	Mfr's Type	Fig.	3 <th>3 <th>EACH</th> </th>	3 <th>EACH</th>	EACH
56 C 4529	8360K6*	D	3	3	1.14
56 C 4502	8360K7	D	3	3	1.14
56 C 4792	8370K7	D	6	3	1.22
56 C 4793	8372K7†	D	6	3	1.50

DPDT					
Stock No.	Mfr's Type	Fig.	3 <th>3 <th>EACH</th> </th>	3 <th>EACH</th>	EACH
56 C 4530	8363K6*	D	3	3	1.30
56 C 4503	8363K7	D	3	3	1.30
56 C 5943	8365K7†	E	6	3	1.72
56 C 4632	8373K7	D	6	3	1.40
56 C 4795	8375K7†	E	6	3	1.81

### PUSHBUTTON AC-DC TYPES

Momentary-contact. For controlling current by opening or closing of a door—i.e., operate lights in refrigerators, closets, etc. Have solder lugs, except  $\dagger$ screw-type. Black pushbutton, except  $\dagger\frac{1}{4}$ " metal button.  $\S$ Push-button type. ■U.L. Recog. Av. wt., 3 oz.

.75 Amp @ 125 V—25 Amp @ 250 V					
Stock No.	Mfr's Type	Fig.	Action	Lgth. In.	EA.
56 C 5987	8411K12*	F	SPST n.o.	$1\frac{1}{2}$	.48
56 C 4548	8411K11	F	SPST n.o.	$1\frac{1}{2}$	.43
56 C 4631	8411K13	F	SPST n.o.	$1\frac{1}{4}$	.43
56 C 5988	8411K7*	F	SPST n.c.	$1\frac{1}{2}$	.36
56 C 4547	8411K8	F	SPST n.c.	$1\frac{1}{2}$	.31

3 Amps @ 125 V—1 Amp @ 250 VAC					
Stock No.	Mfr's Type	Fig.	Action	Lgth. In.	EA.
56 C 4549	8440K2	F	SPST n.o.	$1\frac{1}{2}$	.87
56 C 4541	8440K3*	F	SPST n.o.	$1\frac{1}{2}$	1.01

6 Amps @ 125 V—3 Amps @ 250 V					
Stock No.	Mfr's Type	Fig.	Action	Lgth. In.	EA.
56 C 4515	7190K1	H	SPST n.o.	$\frac{1}{2}$	1.27
56 C 4691	7196K1*	H	SPST n.o.	$\frac{1}{2}$	1.41
56 C 4518	7199K2	H	DPDT	$\frac{1}{2}$	2.29
56 C 4519	7208K4*§	G	SPST	$1\frac{1}{16}$	1.09
56 C 3828	8442K4†	...	SPST n.o.	$1\frac{1}{32}$	.96

15 Amps @ 125 V—10 Amps @ 250 VAC					
Stock No.	Mfr's Type	Fig.	Action	Lgth. In.	EA.
56 C 3829	8444K4*†	...	SPST n.o.	$1\frac{1}{32}$	1.03
56 C 5538	8448K2*	...	DPST n.o.	$1\frac{1}{32}$	1.48

### AC-DC LIGHT-DUTY TYPES—PLASTIC

Rugged, all-plastic construction for resistance to moisture. Have maximum insulation for added safety. Fast operating. Solder-lug terminals;  $1\frac{1}{2}$ " stem length. ■U.L. Recog., C.S.A. Listed. Av. wt., 3 oz.

SPST					
Stock No.	Mfr's Type	Fig.	Amperes 125V 250V	EACH	
56 C 5663	8280K20	A	3	.63	
56 C 5664	8281K16	A	3	.72	

SPDT					
Stock No.	Mfr's Type	Fig.	3	1	EACH
56 C 5665	8282K18	D	3	1	.79

DPST					
Stock No.	Mfr's Type	Fig.	3	3	EACH
56 C 5666	8360K12	D	3	3	1.14

DPDT					
Stock No.	Mfr's Type	Fig.	6	3	EACH
56 C 5668	8373K12	D	6	3	1.40

### HEAVY-DUTY AC-DC TYPES

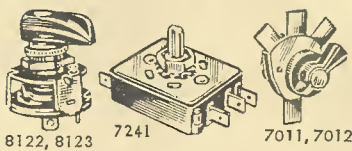
For control of moderate horsepower motors, etc. Have screw terminals;  $1\frac{1}{2}$ " threaded stem and length. ■U.L., except 8825K5 (Fig. P), which is JAN S-23; \*rated 20 amps @ 28 VDC. Wt., 3 oz.

DPST					
Stock No.	Mfr's Type	Fig.	126V	250V	EACH
56 C 4545	7320K3	16	8	1.27	
56 C 4516	7360K8	20	10	2.19	
56 C 4517	7402K4	$1\frac{1}{2}$ hp	20	2.94	

SPST					
Stock No.	Mfr's Type	Fig.	16	8	1.37
56 C 4520	7321K3	16	8	1.37	
56 C 4714	7361K5	20	10	2.29	

DPDT					
Stock No.	Mfr's Type	Fig.	5	3 <th>3.79</th>	3.79
56 C 5669	8680K2	.....	5	3	3.79
56 C 4715	8690K2	15	10	4.59	
56 C 4555	8825K5	*20	10	1.63	

### ROTARY AC-DC AND AC SWITCHES



For fans, air conditioners, etc. Types 7011K1 and 7012K4 are AC-DC; have screw terminals;  $\frac{3}{8}$ " stem. Types 8122K4 and 8123K4 are for AC; have solder-lug terminals;  $\frac{3}{8}$ " stem. 7241K2 is for AC; has "quick connect"  $\frac{1}{4}$ " terminals;  $\frac{3}{16}$ " stem length. ■U.L. Recog., C.S.A. Listed. Av. shpg. wt., 6 oz.

Stock No.	Mfr's Type	Action	Amperes 125V 250V	EA.
56 C 5658	7011K2	on, 1 off	5 2	1.48
56 C 5659	7012K4	3 on, 1 off	5 2	1.51
56 C 5660	8122K4	2 on, 1 off	3	.53
56 C 5661	8123K4	3 on, 1 off	3	.58
56 C 5662	7241K2	DPDT	1 hp, 15	1.57

## AC TOGGLE SWITCHES

### LIGHT-DUTY TYPES

Slow make and break switches rated 6 amps @ 125 volts and 3 amps @ 250 volts, except Type 7140K6, 3 amps @ 125 volts. \*Center-off positions. Have threaded stem diameter of  $1\frac{1}{32}$ "; stem length,  $1\frac{1}{2}$ ", except  $\dagger 1\frac{1}{2}$ ". Solder terminals, except  $\dagger$ screw terminals. ■U.L. Recog. Av. shpg. wt., 3 oz.

Stock No.	Mfr's Type	Fig.	Action	EACH
56 C 4640	7580K4†	K	SPST	.66
56 C 4641	7580K6	K	SPST	.57
56 C 4522	7140K6†	M	SPDT	.70
56 C 4642	7581K4*†	L	SPDT	.76
56 C 4643	7581K6*	L	SPDT	.62
56 C 4644	7582K4†	L	SPDT	.76
56 C 4645	7582K6	L	SPDT	.62
56 C 4646	7590K4†	N	DPST	.94
56 C 4647	7590K6	N	DPST	.83
56 C 4648	7591K4*†	P	DPDT	1.20
56 C 4649	7591K6*	P	DPDT	.92
56 C 4689	7592K4†	P	DPDT	1.20
56 C 4690	7592K6	P	DPDT	.92

### STANDARD-DUTY TYPES

For appliances, instruments, small motor-driven devices. Rated 10 A at 250 V and 15 A at 125 VAC. \*Center-off.  $1\frac{1}{32}$ " threaded stem,  $1\frac{1}{2}$ " long.  $\dagger$ Screw terminals.  $\S$ Solder terminals. Wt., 3 oz.

Stock No.	Mfr's Type	Fig.	Action	EACH
56 C 4591	7500K14†	K	SPST	.76
56 C 4534	7501K13†	K	SPST	.66
56 C 4592	7502K13*†	L	SPDT	.90
56 C 4796	7503K13*†	L	SPDT	.76
56 C 4593	7504K4†	L	SPDT	.88
56 C 4536	7505K4†	L	SPDT	.76
56 C 4594	7560K5†	N	DPST	1.20
56 C 4537	7561K4†	N	DPST	1.01
56 C 4596	7562K4*†	P	DPDT	1.48
56 C 4539	7563K4*†	P	DPDT	1.20
56 C 4595	7564K6†	P	DPDT	1.48
56 C 4538	7565K5†	P	DPDT	1.20
56 C 4543	7611K2†	R	3PST	1.98
56 C 4523	7613K2†	R	3PST	2.44
56 C 4798	7615K2†	R	3PST	2.44

### "ROCKETTE" APPLIANCE SWITCHES

Actuator is molded white nylon.  $1\frac{1}{8} \times 2\frac{1}{2} \times 1\frac{1}{32}$ ", including flanges and terminals. Quick-connect "Faston" terminals, except \*screw. All AC 2-position except  $\dagger$ center-off. ■U.L. Recog. Wt., 3 oz.

6 Amps @ 125 V—3 Amps @ 250 V				
Stock No.	Type	Action	EACH	
56 C 5700	8134K21A1M52	SPST	.65	
56 C 5702	8134K20A1M52	SPDT†	.70	
56 C 5707	8132K21E6M52	DPST	.96	
56 C 5709	8132K20E6M52	DPDT†	1.05	

15 Amps @ 125 V—10 Amps @ 250 V				
Stock No.	Type	Action	EACH	
56 C 5699	8144K21A1M52	SPST	.74	
56 C 5339	8144K21A1M50*	SPST	.78	
56 C 5704	8144K20A1M52	SPDT†	.83	
56 C 5718	8142K21E6M52*	DPST	1.13	
56 C 5540	8142K21E6M50	DPST	1.29	
56 C 5712	8142K20E6M52	DPDT†	1.38	



### ON-OFF PLATE

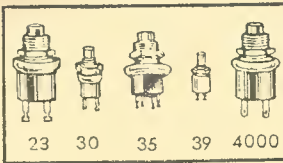
Type 827-228F3. Designed to fit slot in threaded stem of toggle switches. Mounts vertically. Shpg. wt. for 10, 2 oz.  
56 C 5671.....Each .04

# Rotary, Pushbutton, Snap and Knife Switches

## GRAYHILL MINIATURE SWITCHES

### PUSHBUTTON SWITCHES

Rugged, momentary contact, pushbutton switches with solder-lug type terminals. Normally open types (indicated by N.O. in table) have red buttons. Normally closed types (indicated by N.C. in table) have black buttons.



#### SERIES 23

Miniature, over 500,000 operations. Shpg. wt., 2 oz.

Stock No.	Mfr's Type	Action	Amps @ 115 VAC	Size L x Dia.	Mtg. Hole	EACH
56 C 4970	23-1	SPST N.O.	1/4	1 1/32 x 1/2"	2 1/64"	1.10

#### SERIES 30

Subminiature, over 1 million operations. Wt., 2 oz.

56 C 4967	30-1	SPST N.O.	1	1 1/8 x 3/8"	1 7/64"	.95
56 C 4966	30-2	SPST N.C.	1	1 1/8 x 3/8"	1 7/64"	.95

#### SERIES 35

Miniature, over 100,000 operations. Wt., 3 oz.

56 C 4964	35-1	DPST N.O.	1/2	1 1/4 x 5/16"	3/16"	1.40
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#### SERIES 39

Ultraminiature, over 1 million operations. Wt., 2 oz.

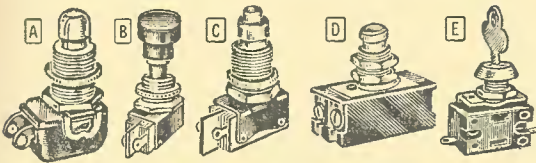
56 C 4968	39-1	SPST N.O.	1/2	3/64 x 1/4"	1 1/64"	1.15
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#### SERIES 4000

Silent action, over 100,000 operations. Wt., 3 oz.

56 C 4870	4001	SPST N.O.	1	1 1/2 x 5/16"	3/16"	1.00
56 C 4871	4002	SPST N.C.	1	1 1/2 x 5/16"	3/16"	1.00

## ARROW-HART & HEGEMAN SWITCHES



### PUSHBUTTON SWITCHES

Momentary-contact types except \*push-on, push-off. All for 125 V AC-DC, except †AC only. Have 1 1/2" dia. shanks; 3/8" long, except Type 80630, 7/16" long. Have solder lug terminals, except ‡ screw-type, 3 oz.

Stock No.	Mfr's Type	Fig.	Action	Button Color	Amps	EACH
56 C 4159	3391-GL†	B	SPST-N.O.	Black	1	.88
56 C 3830	3391-GL†	B	SPST-N.O.	Red	1	.88
56 C 4124	3392-AE†	B	SP2-N.C.	Black	1	1.08
56 C 4129	3392-AE†	B	SP2-N.C.	Red	1	1.08
56 C 3846	80541-E†	A	SPST-N.O.	Black	3	.88
56 C 3847	80541-ER†	A	SPST-N.O.	Red	3	.88
56 C 4152	80630‡	D	DPST-N.O.	Nickel	6	1.87
56 C 4160	86710	C	SPST*	Nickel	3	1.24
56 C 4161	86710-C	B	SPST*	Red	3	1.46
56 C 4162	86710-C	B	SPST*	Black	3	1.46
56 C 4163	80863-R	D	DPST	Nickel	8	2.20
56 C 4187	3599-GF	D	DPDT	Red	3	2.19
56 C 4188	3599-GF	D	DPDT	Black	3	2.19

### LOCK SWITCHES

**E** Type 81715-L. For use on power tools, appliances, etc. SPST contacts, rated 3 amps @ 250 volts; 6 amps @ 125 volts. Sleeve diameter, 1 1/2". Fits panels to 3/32" thick. 1 3/4 x 2 1/2 x 2 1/2". Switch must be open to remove key. Shpg. wt., 4 oz.

56 C 4156.....1.94  
56 C 4128. Extra Key. For above. Wt., 1 oz......18

**E** Type 81715-LE. Same as 81715-L switch above, but key is removable in open or closed position. Wt., 4 oz.

56 C 4158.....1.94  
56 C 3876. Extra Key. For above. Wt., 1 oz......18

### E TYPE 41047 ROTARY SWITCH

Designed for replacement applications in lamps and other medium current AC-DC appliances. SPST action. Rated 3 amps at 125 V; 1 amp at 250 V. Has 6" leads for easy installation. 3/8" diameter, with 3/16" shank. Shpg. wt., 2 oz.

56 C 4165......42

## ACRO SNAP-ACTION SWITCHES

### LIGHT-PRESSURE SWITCHES



Miniature single-pole, double-throw switches for a variety of applications. Perfect for jobs where space is limited. Also when "pre-travel" distance, weight, or operating force are critical. Type 1CMD1-2AXX-A22 has a flat leaf actuator; Type 2CMD1-2AXX-A24 a wire leaf actuator; all others are basic pin plunger types.

Operating force for 1MD1-1A, 3-6 oz.; 2MD3-1A, 6-10 oz.; 1CMD1-2AXX, 20-27 gr.; 2CMD1-2AXX, 33-44 gr.; 1CMD1-2AXX-A22, 2.5 gr.; 2CMD1-2AXX-A24, 4 gr. Pre-travel for 1MD1-1A, 2MD3-1A, 1/32"; 1CMD1-2AXX, 2CMD1-2AXX, 0.040". Amp ratings for 125-250 volts AC are 3 amps except \*10 amps. U.L. Component Program-Recognized. Shock resistant. Solder terminals. Av., 4 oz.

Stock No.	Mfr's Type	Fig.	Basic Switch Size	EACH	
				1-9	10-19
56 C 5009	1MD1-1A*	G	1 5/8 x 9/32 x 5 3/16"	1.25	1.13
56 C 5019	2MD3-1A*	G	1 5/8 x 9/32 x 5 3/16"	1.25	1.13
56 C 5020	1CMD1-2AXX	H	1 5/8 x 9/32 x 1 3/64"	1.25	1.13
56 C 5021	2CMD1-2AXX	H	1 5/8 x 9/32 x 1 3/64"	1.25	1.13
56 C 5024	1CMD1-2AXX-A22	K	3 1/2 x 9/32 x 1 3/64"	1.55	1.40
56 C 5030	2CMD1-2AXX-A24	J	2 9/32 x 2 9/32 x 1 19/32"	1.55	1.40

### B SERIES SWITCHES WITH MICRO EQUIVALENTS

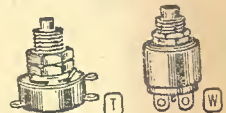


Long-life replacements for micro-switch types shown in table below. All are SPDT with step base design and screw terminals, except Type BRD2-5L, which has flat base and solder terminals. Contacts rated 1/2 HP @ 125 V AC, 1/4 HP @ 250 V AC; and 0.5 amp at 120 volts DC. Av. shpg. wt., 4 oz.

Stock No.	Mfr's Type	Micro Equiv.	Fig.	Basic Size	EACH
56 C 3968	BRD2-5L	BZ-2RL	L	2 1/32 x 1 1/32 x 1 1/16"	1.85
56 C 3969	BRD2-1A-1S	BZ-2R-A2	M	1 15/16 x 3 3/32 x 1 1/16"	1.75
56 C 3970	BRD2-2M-1S	BZ-2RL2-A2	N	2 1/32 x 1 15/32 x 1 1/16"	2.50
56 C 3972	BRD2-70-1S	BZ-2RD-A2	P	1 15/16 x 1 13/16 x 1 1/16"	2.15
56 C 3973	BRD2-1P-1S	BZ-2R1-A2	R	1 12/32 x 1 15/16 x 1 1/16"	3.62
56 C 3971	BRD2-5L-1S	BZ-2RL-A2	S	2 1/32 x 1 13/32 x 1 1/16"	2.00

### SNAP-ACTION PUSHBUTTON SWITCHES

Momentary contact pushbutton switches. Type 3DO5-5P, normally open; 3DC5-5P, normally closed; QPD-5031 wires either way. All have overtravel plungers with solder terminals. Amp ratings at 125 VAC. Avg. shpg. wt., 4 oz.



Stock No.	Mfr's Type	Fig.	Action	Size	Amps	EACH	
						1-9	10-19
56 C 5328	QPD-5031	T	SPDT	1 5/64 x 2 3/32" dia.	10	3.25	2.93
56 C 5028	3DO5-5P	W	SPST	1 3/64 x 1 3/16" dia.	12	1.75	1.58
56 C 5029	3DC5-5P	W	SPST	1 3/64 x 1 3/16" dia.	12	1.75	1.53

### EAGLE KNIFE SWITCHES

Rugged, low-cost knife switches for heavy-duty applications in power circuits. For motors, transmitters, mixing machines, or stage lighting. Provide smooth, easy action. All units rated 25 amps, 125 VAC. Have screw terminals and bakelite base except Type P17, porcelain. Av. wt., 2 oz.



Stock No.	Mfr's Type	Action	Size	EACH	
				1-9	10-99
56 C 4884	612	SPST	1 5/8 x 1"	.28	.26
56 C 4886	613	SPDT	2 5/8 x 1"	.32	.30
56 C 4887	614	DPST	1 3/4 x 1 1/2"	.44	.41
56 C 4888	615	DPDT	2 5/8 x 1 5/8"	.48	.45
56 C 4889	617	SPST	1 3/16 x 1 1/8"	.42	.39

### EAGLE FLUSH-MOUNT PUSHBUTTON SWITCH

Type 188. Momentary contact. 6-leaf spider secures switch in 5/8" hole. Ideal for signaling bells, lights, etc. 3/16" shank depth, 2 3/8" overall. Screw terminals. Contacts are SPST, normally open. Pearl button. Shpg. wt., 2 oz.

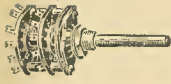
56 C 4890, 1-9..... .46 10-99..... .42





# Centralab and Mallory Switches

## CENTRALAB ROTARY AND LEVER SWITCHES



### MINIATURE PHENOLIC SWITCHES

PA-1000 Series. Rated 2.75 amps @ 15 VDC, 230 mA @ 115 VAC. 30° indexing adjustable stop. 1 1/2 x 1/4" diameters; 1/4" spacing between sections. Shaft, 2 1/4" FMS 7/4"; bushing 3/8 x 3/8". With 1 1/4" pointer knob and mtg. hdwe. 3 oz.

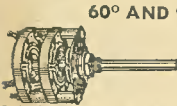
Shorting		Non-Shorting		Sections	Total Poles	Pole Pos.	EACH
Stock No.	Type	Stock No.	Type				
56 C 5050	1000	56 C 5065	1001	1	1	2-11	1.98
56 C 5051	1002	56 C 5066	1003	1	2	2-5	1.98
56 C 5052	1004	56 C 5067	1005	2	2	2-11	2.82
56 C 5053	1006	56 C 5068	1007	1	3	2-3	1.98
56 C 5054	1008	56 C 5069	1009	3	3	2-11	3.57
56 C 5055	1010	56 C 5070	1011	1	4	2	1.98
56 C 5056	1012	56 C 5071	1013	4	4	2-5	2.82
56 C 5057	1014	56 C 5072	1015	4	4	2-11	4.17
56 C 5059	1018	56 C 5074	1019	2	6	2-3	2.82
56 C 5060	1020	56 C 5075	1021	3	6	2-5	3.57
56 C 5061	1022	56 C 5076	1022	3	8	2	2.82
56 C 4975	1024	56 C 5077	1025	2	8	2	2.82
56 C 5063	1026	56 C 5078	1027	4	8	2-5	4.17



### LEVER-ACTION PHENOLIC SWITCHES

Budget-priced phenolic-insulated switches featuring nylon rotor design. Rated 2.75 amps at 15 VDC, 230 mA at 115 VAC. Silver-plated clips and contacts. 1 7/8 x 1/4" (1 1/2" behind panel). Mtg. bracket has two 6-32 tapped holes. With knob, hardware. 4 oz.

Shorting		Non-Shorting		Poles	Positions	Action	EACH
Stock No.	Type	Stock No.	Type				
56 C 4021	1452	56 C 4026	1454	2	3	Positive	1.47
56 C 4022	1453	56 C 4027	1455	2	3	Moment	1.47
56 C 4023	1466	56 C 4028	1467	2	3	Pos./Mom.	1.47
56 C 4025	1456	56 C 4030	1457	4	2	Moment	1.62
56 C 4024	1459	56 C 4029	1458	4	2	Positive	1.62



### 60° AND 90° INDEXING HAM SWITCHES

Bolted construction; single hole mounting. 3/8" - 32NEF-2A threaded bushing, 3/8" long. 1/2" dia. shaft, full round, 2 1/4" long from mtg. surface. Bushing and shaft cadmium-plated. 3/4" spacing between front plate and first section; 1/2" between sections. Res. load: 350 mA @ 115 VAC; 175 mA @ 230 VAC; 5 mA @ 1500 VAC; 2.25 amp @ 28 VDC. 2 to 6 active positions. 12 to 4 active positions. With knob, hardware. Av. shpg. wt., 6 oz.

60° Indexing†			90° Indexing†			Sections	Total Poles	EACH
Stock No.	Type		Stock No.	Type				
56 C 5105	2550		56 C 5110	2542	1	1	2.37	
56 C 5106	2551		56 C 5111	2543	2	2	3.36	
56 C 5107	2552		56 C 5112	2544	3	3	4.32	
56 C 5108	2553		56 C 5113	2545	4	4	5.34	
56 C 5109	2554		56 C 5114	2546	5	5	6.30	

## MALLORY GANG SWITCHES AND DIAL PLATES

### SINGLE-GANG SWITCHES



Compact, enclosed, low-voltage rotary switches. For bandswitching in receivers, transmitters, etc. Have 2" notched shaft; 3/8" threaded bushing, 3/8" long. Two base diameters, 1 1/4" and 1 1/2". 1 1/4" size has 30° indexing, 1 1/2" size, 20°. 1 1/4" size has adjustable stops. Breakdown ratings: 500 VDC or VAC. Max. breaking current into res. load: 125 mA @ 300 VDC, 3A @ 6 VDC; 200 mA @ 300 VAC, 5A @ 6 VAC. For use with dial plates listed in right hand column. †Total Poles. Av. shpg. wt., 4 oz.

long. Two base diameters, 1 1/4" and 1 1/2". 1 1/4" size has 30° indexing, 1 1/2" size, 20°. 1 1/4" size has adjustable stops. Breakdown ratings: 500 VDC or VAC. Max. breaking current into res. load: 125 mA @ 300 VDC, 3A @ 6 VDC; 200 mA @ 300 VAC, 5A @ 6 VAC. For use with dial plates listed in right hand column. †Total Poles. Av. shpg. wt., 4 oz.

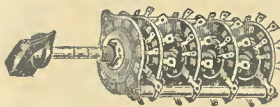
### SERIES 3100J SHORTING TYPE

Stock No.	Mfr's Type	* Positions	Base Dia.	EACH	
				1-4	5-9
56 C 4300	3115†	1	5	1.02	.85
56 C 4301	3112†	1	12	1.02	.85
56 C 4302	3122†	2	2	1.02	.85
56 C 4303	3123†	2	3	1.02	.85
56 C 4304	3126†	2	6	1.02	.85
56 C 4305	3134†	3	4	1.05	.88
56 C 4306	3142†	4	2	1.05	.88
56 C 4307	3143†	4	3	1.05	.88
56 C 4308	3117†	1	2-17	1.56	1.30
56 C 4309	3129†	2	2-9	1.56	1.30
56 C 4310	3136†	3	2-6	1.65	1.38
56 C 4311	3163†	6	2-3	1.65	1.38

### SERIES 3200J NON-SHORTING

Stock No.	Mfr's Type	* Positions	Base Dia.	EACH	
				1-4	5-9
56 C 4350	3215†	1	5	1.02	.85
56 C 4351	3212†	1	12	1.02	.85
56 C 4352	3222†	2	2	1.02	.85
56 C 4353	3223†	2	3	1.02	.85
56 C 4354	3226†	2	6	1.02	.85
56 C 4355	3234†	3	4	1.05	.88
56 C 4356	3242†	4	2	1.05	.88
56 C 4357	3243†	4	3	1.05	.88
56 C 4358	3217†	1	2-17	1.56	1.30
56 C 4359	3229†	2	2-9	1.56	1.30
56 C 4360	3236†	3	2-6	1.65	1.38
56 C 4361	3263†	6	2-3	1.65	1.38

### MULTI-GANG SWITCHES



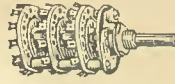
Versatile switches recommended for test equipment, meter switching and all types of low current applications. Heavily silver-coated contact members have self-cleaning, contact-wiping action. 1 fixed and 1 adjustable stop, solid silver rotor contact slugs and phosphor-bronze springs. 3- and 4-gang types spaced 1"; all others, 1/2", 2" notched shaft. Shorting types make before break. Require 1/8" mtg. hole. With bar knob and hardware, less mtg. plate (use 56 C 4600 C plates at right). \*Additional "off" positions with all circuits open. †Total Gangs. Av. shpg. wt., 8 oz.

### SERIES 1200L SHORTING TYPE

Stock No.	Mfr's Type	†	Total Poles	Pos. Pole	EACH	
					1-4	5-9
56 C 4201	1211L	1	2	2-11	2.10	1.75
56 C 4202	1221L	1	2	2-11	2.58	2.15
56 C 4207	1225L*	2	4	2-11	3.24	2.70
56 C 4211	1231L	3	3	2-11	3.81	3.18
56 C 4214	1241L	4	4	2-11	3.81	3.18
56 C 4215	1245L*	4	8	2-5	4.11	3.18

### SERIES 1300L NON-SHORTING TYPE

Stock No.	Mfr's Type	†	Total Poles	Pos. Pole	EACH	
					1-4	5-9
56 C 4251	1311L	1	1	2-11	2.10	1.75
56 C 4252	1315L*	1	2	2-5	2.10	1.75
56 C 4253	1313L*	1	3	2-3	2.10	1.75
56 C 4256	1321L	2	2	2-11	2.58	2.15
56 C 4257	1325L*	2	4	2-5	2.58	2.15
56 C 4258	1323L*	2	6	2-3	2.58	2.15
56 C 4261	1331L	3	3	2-11	3.24	2.70
56 C 4264	1341L	4	4	2-11	3.81	3.18
56 C 4265	1345L*	4	8	2-5	3.81	3.18
56 C 4266	1351L	5	5	2-11	4.11	3.43
56 C 4267	1356L	5	10	2-6	4.53	3.78
56 C 4268	1361L	6	6	2-11	4.83	4.03



### MINIATURE STEATITE SWITCHES

PA-1000 Series. Ceramic rotary switches. Rated 2.75 amps @ 15 VDC, 230 mA @ 115 VAC. 1 1/2 x 1/4" dia.; 1/4" spacing between sections. 30° indexing. Shaft 2 1/4" FMS long, 3/4" dia.; bushing 3/8" x 3/8" thread, 3/8" long. \$2042

has 1 off and 9 progressive shorting pos. Adjustable stop. With 1 1/4" pointer knob, hdwe. \*Switch sections. †Total Poles. Av. wt., 3 oz.

Shorting		Non-Shorting		* †	Pole Pos.	EACH	
Stock No.	Type	Stock No.	Type			1-4	5-9
56 C 5095	\$2042	56 C 4921	2001	1	1	2-10	2.37
56 C 4900	2000	56 C 4922	2003	1	2	2-0	2.61
56 C 4901	2002	56 C 4923	2005	2	2	2-12	3.72
56 C 4902	2004	56 C 4924	2007	1	3	2-5	2.61
56 C 4903	2006	56 C 4925	2009	3	3	2-12	4.74
56 C 4904	2008	56 C 4926	2011	2	4	2-12	3.72
56 C 4905	2010	56 C 4927	2013	4	4	2-12	5.70
56 C 4906	2012	56 C 4928	2015	1	5	2-3	2.61
56 C 4907	2014	56 C 4929	2017	5	5	2-12	6.81
56 C 4908	2016	56 C 4930	2019	1	6	2	2.61
56 C 4909	2018	56 C 4931	2021	2	6	2-5	3.72
56 C 4910	2020	56 C 4932	2023	3	6	2-6	4.74
56 C 4911	2022	56 C 4933	2025	6	6	2-12	7.92
56 C 4914	2024	56 C 4934	2027	4	8	2-6	5.70
56 C 4913	2026	56 C 4935	2029	3	9	2-5	4.74
56 C 4915	2028	56 C 4936	2031	2	10	2-3	3.72
56 C 4916	2030	56 C 4940	2039	3	15	2-3	5.37
56 C 4939	2038	56 C 4941	2041	3	18	2	4.48
56 C 4942	2040						4.48



### UNIVERSAL AND INTERCOM SWITCHES

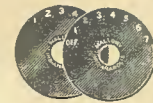
Phenolic-insulated rotaries. Cadmium-plated. Breakdown 1000 VAC. Rated 2.75 amps at 15 VDC, 230 mA at 115 VAC. Non-shorting; 30° indexing. Shaft, 1 7/8 x 1/4" dia. Bushing, 3/8" x 3/8" thread 3/8" long. \*1" or 1 1/2" behind panel. pos., spring return in 3rd. With knob. Shpg. wt., 5 oz.

Stock No.	Type	Description	1-4, EA. 5-9, EA.	
			1-4	5-9
56 C 4085	1450†	4PDDT	1.65	1.38
56 C 4087	1451†	4PDT, spring-return	2.40	2.00
56 C 4054	1488*	6P, 3 pos., spring-return	3.60	3.00
56 C 4055	1489*§	6P, 3 pos.	3.60	3.00

Intercom and Radio Switches. Phenolic, cadmium-plated switches. Same ratings and shafts as above except 2 3/8" for radio-phonos, FA input selectors, meter/speaker switching, etc. Silver-plated spring brass clips. Both shorting and \*non-shorting types. 1472 is for AM-FM-phono selector. Av. shpg. wt., 2 oz.

Stock No.	Type	Description	1-4	5-9
56 C 4080	1460†	SPST phono-radio switch	1.08	.90
56 C 4081	1461†	DP-3 position selector	1.08	.90
56 C 4082	1462†	DP-2 bandswitch	1.08	.90
56 C 4083	1463*	SPDT spring return	1.08	.90
56 C 4084	1464*	PDDT spring return	1.08	.90
56 C 5235	1472*	DP 3-position	1.08	.90
56 C 4073	1465†§	SP-4, AC line switch	1.80	1.50

### DIAL PLATES

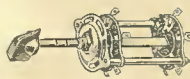


Wide selection of dial plates for switches, potentiometers and rheostats. Designed for use with Series 1200L, 1300L, and for 3100† and 3200† with 1 1/4" bases. Etched aluminum. Black bakelite. 1 1/4" dia. 7/16" hole. Shpg. wt., 1 oz.

Type	Marking	Type	Marking
372	1 to 2	382	1 to 2
373	1 to 3	383	Off 1 to 3
374	1 to 4	384	Off 1 to 4
375	1 to 5	385	Off 1 to 5
376	1 to 6	386	Off 1 to 6
377	1 to 7	387	Off 1 to 7
378	1 to 8	388	Off 1 to 8
379	1 to 9	389	Off 1 to 9
380	1 to 10	390	Off 1 to 10
381	1 to 11		

56 C 4600 C, Specify Type..... Each .21

### 151L "HAMSWITCH"



For switching a single meter between 1 to 5 circuits, 2 sections, 5 positions 1 pole per section. Non-shorting; 2 1/4" spacing between sections; 60° indexing. Rated 1000 VAC, 1500 VDC. 3 1/2" mtg depth. 3/8 x 3/8" bushing. 2 x 1/4" shaft. With knob, nut, lockwasher. Shpg. wt., 6 oz.

56 C 4318, 1-4... Ea. 2.70 5-9... Ea. 2.25

### 13124L 24-POINT TAP SWITCH



Single circuit, 24 position non-shorting switch. 3/8" bushing, 2" grooved shaft. Knob, dial plate, hardware. Shpg. wt., 6 oz.

56 C 4295, 1-4... Ea. 2.76 5-9... Ea. 2.30

# Switches by Switchcraft

## SWITCHCRAFT LEVER AND PUSH SWITCHES

### "LITTEL" SWITCHES

Miniature, non-locking pushbutton type switches for limited space applications. One-piece button and shaft. Red or black button.



§N.O. means normally open; N.C. means normally closed. Nickel silver contacts; spring sections are insulated. 3/8" threaded stem; 3/8" long. For low-level currents only. 3A @ 115 VAC non-ind. With hardware. 3 oz.

Stock No.	Mfr's Type	Button Color	Action	EACH
56 C 4944	101	Red	SPST N.O.	.57
56 C 4945	102	Red	SPST N.C.	.57
56 C 4946	103	Red	SPDT	.66
56 C 4947	201	Black	SPST N.O.	.57
56 C 4948	202	Black	SPST N.C.	.57
56 C 4949	203	Black	SPDT	.66

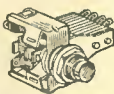
### ILLUMINATED "LITTEL-LITE" SWITCHES

Similar to above, but clear plastic pushbutton and shaft illuminated by 6 or 28 V. lamp (not supplied, see below right), 3 A, 300 W. @ 115 VAC max. non-ind. load. With 4 color chips (red, amber, green, yellow). Shpg. wt., 4 oz.

Stock No.	Mfr's Type	Action	EACH
56 C 4607	211S	SPST N.O.	1.17
56 C 4608	212S	SPST N.C.	1.17
56 C 4609	213S	SPDT	1.35

### ILLUMINATED "NF-LITE" SWITCHES

Series 4100. Pushbutton types indicate switching and circuit functions. Rated 3 amps, 300 W. max., AC non-inductive. With 4 color chips (red, amber, green, yellow). Need 1/16"-1/8" behind panel; mount in 3/8" hole in panels up to 1/4" thick. Less lamp, below right. Wt., 4 oz.



Stock No.	Mfr's Type	Action	EACH
56 C 4610	411	SPST N.O.	1.17
56 C 4611	4103	SPDT	1.26
56 C 4612	4104	DPST N.O.	1.32
56 C 4613	4106	DPDT	1.47
56 C 4614	4109	3PDT	1.80

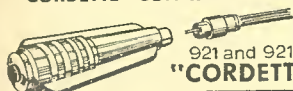
### SWITCH WRENCHES

Special wrenches designed to fit knurled or milled-edge locknuts furnished with toggle, lever and button switches and jacks. Adjustable sleeve on shaft holds nuts tightly. Knurled handle provides sure, firm grip. Shpg. wt., 10 oz.



Stock No.	Mfr's Type	Nut Size	EACH
56 C 4605	A-1070	15/32"-32	4.50
56 C 4606	A-1071	1/4"-32	4.50

### "CORDETTE" CONTROL SWITCH



921 and 921K "CORDETTE"  
921 accepts standard phono plug. 921K with 6 ft cable. Pre-stripped and tinned.

Momentary-action pendant switch. Designed to provide remote switching of electrical devices. Fits comfortably in the hand, yet rugged enough for critical applications. One-piece body of high-strength molded plastic, enclosed to protect switching contacts. Thermosetting plastic insulation. One-amp SPST circuit with integral brass, hard-gold-plated 500-mA contacts. 50 watts max., AC noninductive load. For low-voltage circuits.

Type 921 has Switchcraft Phono-Jax output molded direct to the body. Industry standard jack accepts most phono plugs; molded cable assemblies such as Switchcraft Part Nos. 25A/84, 25AF30, 25AC82. (See page 361 for cable assemblies).

Type 921-K has 6-ft., 2-conductor unshielded cable, stripped and tinned. 1 1/2x2 1/8".

Stock No.	Mfr's Type	Wt. Oz.	EACH
56 C 5799	921	1	2.55
56 C 5800	921-K	4	3.00

### TYPE 900 MINIATURE SPDT

#### "BUTTON" SWITCHES

Momentary-action pushbutton switches in metal housing. Each type has black plastic button. Type 913 is 1/2" long, fits 1/2" hole, and provides behind-panel mounting. Type 933 is 3/8" long, fits 3/8" hole, and mounts from front. Both rated at 250 mA, 30 watts maximum, AC non-inductive. Both are SPDT. Shpg. wt., 2 oz.



56 C 5418, Type 913	.....84
56 C 5420, Type 933	.....90

### REMOTE-CONTROL SPDT PUSHBUTTON SWITCH

Hand-held switch for remote control of recorders, lights, counters, etc. Momentary contact SPDT switch in a nickel-plated sleeve. Rated 250 mA, 30 watts max. AC non-inductive. 1 1/2x2 1/8" long. Shpg. wt., 4 oz.



Stock No.	Mfr's Type	Button Color	EACH
56 C 5422	E903	Red	1.35
56 C 5424	E913	Black	1.35

### "LEV-R" SWITCHES

Series 3000. Require half the space needed for a lever switch. Silver contacts rated at 3 amps, 300 watts max. AC, non-inductive load. Non-locking types have spring return. 1 3/8" mtg. bushing; 5/8" wide; 2 1/4" behind panel; 1 1/2" mtg. hole. Type 3034 closes either of two circuits keeping the other open. Type 3035 opens one of two circuits keeping the other closed. \*Same contact form for both sections on each side of switch. Shpg. wt., 3 oz.



#### TWO-POSITION TYPES

Mfr's Type	Stock No.		Action	EACH
	Locking Type	Non-Locking Type		
3001	56 C 4471	56 C 4465	SPST	1.20
3003	56 C 4472	56 C 4466	SPDT	1.41
3004	56 C 4473	56 C 4467	DPST	1.56
3006	56 C 4474	56 C 4468	DPDT	1.71
3009	56 C 4484	56 C 4485	3PDT	2.19

#### \*THREE-POSITION TYPES

3033	56 C 4475	56 C 4469	SPDT	1.56
3034	56 C 4459	56 C 4458	DPDT	1.62
3035	56 C 4477	56 C 4464	DPDT	1.62
3036	56 C 4479	56 C 4478	DPDT	1.80
3037	56 C 4476	56 C 4470	DPDT	1.83

### SERIES 41000 LEVER SWITCH

- Requires Just 2 1/8" Behind Mounting Panel
- Offers Long-Life Reliability, Multiple Circuitry
- Smallest Telephone-Type Lever Switch Available

Telephone-type lever switch with welded cross-bar palladium contacts rated 3 amps, 200 watts maximum, AC non-inductive load. For ground support, data processing, control panel, test, communications, instrumentation. Features "U" shaped frame which includes "Seat" Cheat" detent guide to prevent accidental actuator bypass of a switching position. Built-in phenolic damping block minimizes transient leaf spring travel. Special long nickel-silver springs have no "form" at point of flex, assure long spring life. Frame provides integral ground terminal. Mounts on 2 1/2" centers, in 1/2" hole. Size, (including knob), 5/8x3/4x3/4". Requires 2 1/4" behind mounting panel. Smart paddle-designed knob. In 2- or 3-position types, locking or non-locking. Contact assemblies refer to illustrations at right. \*Indicates 3-position switch contacts are for both Pos. 1 and 2. Av. shpg. wt., 1 oz.

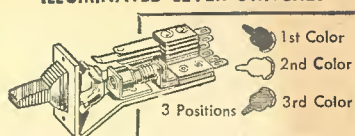
#### TWO-POSITION SWITCHES

Mfr's Type	Stock No.		Contact Assembly	EACH
	Locking Type	Non-Locking Type		
41203	56 C 5775	56 C 5776	1-C	2.40
41206	56 C 5777	56 C 5778	2-C	3.00
41208	56 C 5779	56 C 5780	4-A	3.30
41212	56 C 5781	56 C 5782	4-C	4.05

#### THREE-POSITION SWITCHES

41306	56 C 5783	56 C 5784	1-C*	3.00
41308	56 C 5785	56 C 5786	2-A*	3.30
41312	56 C 5787	56 C 5788	2-C*	4.05
41324	56 C 5789	56 C 5790	4-C*	6.00

### ILLUMINATED LEVER SWITCHES



Series 25000. Illuminated color-coded switches indicate function and/or switch position. Replace switch and up to 3 indicator lamps, saving space and wiring costs. Nickel-silver springs. Silver contacts; 3 amps, 300 watts max., AC non-inductive. 1 1/2" high, 3/8" wide, 2 1/4" behind panel. With 6-volt lamp and 6 color chips (blue, red, amber, yellow, green, white). \*Same contact form for both sections on each side of switch: 1-A for Type 25201, 25312; 1-C for 25306; 2-A for 25308; 2-C for 25206, 25312; 3-C for 25209. Shpg. wt., 3 oz.

#### TWO-POSITION TYPES

Mfr's Type	Stock No.		Action	EACH
	Locking Type	Non-Locking Type		
25201	56 C 6280	56 C 6272	SPST	2.40
25206	56 C 6282	56 C 6274	DPDT	3.00
25209	56 C 6283	56 C 6275	3PDT	3.45

#### \*THREE-POSITION TYPES (Center-Off)

25304	56 C 6284	56 C 6276	SPST	2.70
25306	56 C 6285	56 C 6277	SPDT	3.00
25308	56 C 6286	56 C 6278	DPST	3.30
25312	56 C 6287	56 C 6279	DPDT	3.60

### "FF" PUSHBUTTON SWITCHES

Non-locking type with rugged flat frame. Fine silver contacts rated 3 amps, 300 W. max., AC non-inductive. Insulated springs are form-free at flex point. One-piece black button and shaft. 3/8" dia. mtg. shank is 3/8" long. With locknut and washer. Shpg. wt., 3 oz.

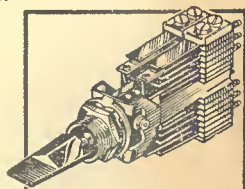


Stock No.	Mfr's Type	Action	EACH
56 C 4994	1001	SPST N.O.	.69
56 C 4995	1002	SPST N.C.	.69
56 C 4996	1003	SPDT	.78
56 C 4997	1004	DPST N.O.	.87
56 C 4998	1005	DPST N.C.	.87
56 C 4999	1006	DPDT	1.02
56 C 4969	1009	3PDT	1.38

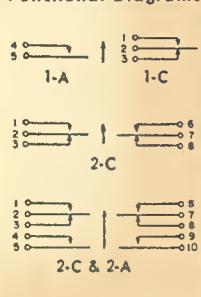
### LAMPS FOR ILLUMINATED SWITCHES

For use with "Littel-Lite" and "NF-Lite" illuminated pushbutton switches, and Series 25000 illuminated lever switches. Wt., 2 oz.

60 C 7359, Type 1768, 6-volt	.....92
60 C 7126, Type 335, 28-volt	.....1.54



#### Functional Diagrams



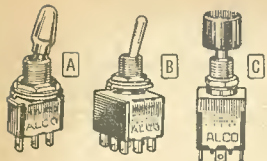


# Miniature, Slide, Reed and Foot Switches

## ALCOSWITCH MINIATURE SWITCHES AND ACCESSORIES

### TOGGLE SWITCHES

• DPDT Only 1/2" Square • Solid Silver Contacts  
Ideal miniature switches for high-density applications where space is at a premium. Meet high standards of quality. Solid silver contacts carry a full 5 ampere-rating at 115 volts AC. Insulation rating test, 1000 megas at 500 volts at DC. All types listed have breakdown ratings of 1000 volts at 60 Hz. 1/4" mounting bushings. \*Momentary contact. †Special switch with 3 "On" positions. ‡"On-None-On" configuration. §"On-Off-On" positioning. 30° throw. With or without cap. From Japan. Av. shpg. wt., 1 oz.



#### A WITH HANDLE CAP

Stock No.	Type MST.	Action	EACH
56 C 3201	115D	SPDT†	1.70
56 C 3202	215N	DPDT†	2.20
56 C 3203	315D	3PDT†	3.90
56 C 3204	415N	4PDT†	4.90

#### B WITHOUT HANDLE CAP

56 C 3205	105D	SPDT†	1.65
56 C 3206	105E	SPDT†	1.65
56 C 3207	105F	SPDT**	1.95
56 C 3208	105G	SPDT**	1.95
56 C 3209	105H	SPDT**	1.95

#### COLOR PLASTIC CAPS FOR ABOVE TOGGLE SWITCHES



Switch identification made easy with bright colored plastic caps. Available in white, red, blue or black. 25 per pkg. Specify color. Shpg. wt., 2 oz. per package.

Stock No.	For MST.	Per Pkg.	Pkg. of 25
56 C 3237 C	-105 Series	.70	.63 .55
56 C 3227 C	-115 Series	.70	.63 .55

#### WITHOUT HANDLE CAP (Cont'd)

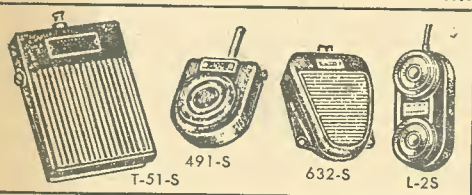
Stock No.	Type MST.	Action	EACH
56 C 3210	205N	DPDT†	2.15
56 C 3211	205P	DPDT†	2.55
56 C 3212	205R	DPDT*†	2.55
56 C 3213	205S	DPDT*	2.55
56 C 3214	205P1	DPDT*†	2.55
56 C 3217	205PA	DP3T†	2.85
56 C 3238	203YA	DP3T*†	3.15
56 C 3215	305D	3PDT†	3.85
56 C 3235	305E	3PDT†	4.15
56 C 3236	305H	3PDT**	4.15
56 C 3216	405N	4PDT†	5.95
56 C 6408	405P	4PDT†	5.35

#### C PUSHBUTTON SWITCH AND RED OR BLACK BUTTONS

Usable normally open or normally closed, 5 amps at 115 volts AC. All types listed have solid silver contacts. Size, 1/2x1/4". \*Momentary contact. †Push on/off. Order buttons separately, below. Av. shpg. wt., 1 oz.

Stock No.	Type	MSP.	Action	EA.
56 C 3248	105P		SPDT*	1.95
56 C 3249	205R		DPDT*	2.85
56 C 3297	205N		DPDT*	2.85
56 C 3298	C-12	Black Button	Pkg. of 25	.90
56 C 3299	C-12	Red Button	Pkg. of 25	.90

## LINEMASTER FOOT SWITCHES



Model T-51-S. Compact switch for low current loads. SPDT momentary-contact switch rated 7 amps at 110-250 volts. Has skidproof rubber base. 1x2x1/2". Shpg. wt., 7 oz.  
56 C 6683.....2.75  
Model T-51-SC. Same as above, except with 6-ft. cord and 2-prong series plug. 15 oz.  
56 C 6684.....4.00

Model 491-S. Lightweight, momentary-contact switch with SPDT contacts rated 10 amps at 115 V, or 230 V, AC. Steel housing, skidproof base. 2x1/2x1/2". Wt., 7 oz.  
56 C 6685.....3.25

Model 491-SC. Above, but with 6-ft. cord and 2-prong series plug. 1 1/4 lbs.  
56 C 6686.....5.00

Model 632-S "Clipper." Momentary-contact industrial switch. SPDT contacts rated 20 amps at 125-150 VAC. Cast iron housing has rubber anti-skid pad, black wrinkle finish. Size, 4 1/2x3 1/2x1 1/2". Shpg. wt., 2 1/4 lbs.  
56 C 6687.....8.25  
56 C 6689. Model L-2S "Lektro-Lok." 15-amp, 125 VAC contacts on each side. Test-torquer principle. Interlock prevents operating both circuits at once. Steel. 1 lb.....5.80

## CONTINENTAL-WIRT



### SLIDE SWITCHES

AC-DC, for transmitters, receivers, etc. Cadmium-plated steel housing. Solderlug terminals. Dimensions, 3/8x1 1/2". G126, 1x1 1/2". Recognized under the Component Program of Underwriter's Laboratories, Inc. Av. 3 oz.

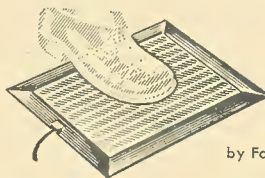
Stock No.	Mfr's Type	Action	Amps @ 125V	EACH
56 C 5034	G124	SPDT	.05	.32 .27
56 C 4424	G126	DPDT	0.5	.40 .33
56 C 5035	G128	DP3P	.05	.54 .45
56 C 5023	G323	SPST	3.0	.24 .19
56 C 5025	G324	SPDT	3.0	.24 .19
56 C 5920	G325	DPST	3.0	.25 .22
56 C 5921	G326	DPDT	3.0	.36 .30
56 C 5039	G328	DP3T	3.0	.36 .30
56 C 5032	G338	DP4T	3.0	.72 .60
56 C 5918	G361	3PDT	3.0	.48 .40
56 C 5036	G342	4PDT	3.0	.65 .54
56 C 5026	G623	SPST	6.0	.25 .22
56 C 5027	G624	SPDT	6.0	.25 .22
56 C 5033	G625	SPST	6.0	.34 .28
56 C 508	G626	DPDT	6.0	.36 .30
56 C 5022	G1023	SPST	10.0	.36 .30

## G.E. DRY-REED SWITCHES



A pair of magnetic, overlapping, contact bearing cantilever reeds, hermetically sealed in glass. N.O. Min. 20 million operations. 500 volt breakdown @ 60 Hz rms. Min. insulation res., 500,000 megas. -65° to +150°C. Resonant freq., 925 Hz. Max. length, less leads, 2.10"; with leads, 3.21"; max. dia., 0.215" except \*less leads 0.84", with leads, 2.03"; max. dia. 0.105". Shpg. wt., 2 oz.  
56 C 4979. Type DR100. \*4 volt amps. .80  
56 C 4978. Type DR101. 15 volt amps. .60  
56 C 4977. Type DR113. 50 volt amps. 1.13

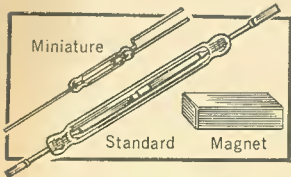
## RECORA FOOT SWITCHES



Can Be Actuated by Foot or Toe

"Switchmat" Switch. Foot-operated switch frees hands for other work. Water-proof—switch can be used indoors or out. Concealed, normally-open SPDT switch. Sensitive to 5 lbs. force. For use with 110-volt non-inductive loads up to 100 watts. Molded plastic construction. 3/8" thick. Complete with ten-foot cord.  
56 C 6690 X. Wt., 11 lbs.....17.25  
56 C 6691 X. Wt., 19 lbs.....24.00

## HAMLIN MAGNETIC REED SWITCHES



Hermetically sealed for safe, dependable use in any atmosphere. Unaffected by high or low temperature extremes. Compact size, high sensitivity, rapid cycling rate—ideal for applications in position indicators, counting instruments, etc. Actuating time 1 ms. May be actuated by permanent or electro magnets. 1 oz.

### MINIATURE SIZE

Stock No.	Mfr's Type	Form	Size Lgth.	Max. DC Watts	Max. Contact Amps	Actuating Magnet	EA.
56 C 6603	MRR-2-185	A	.800	10	.5	H-33	1.15
56 C 6607	MRG-DT-175	A	.610	3	.250	H-33	4.20
56 C 6608	MMRR-2-185	C	.375	1	.010	H-33	1.84

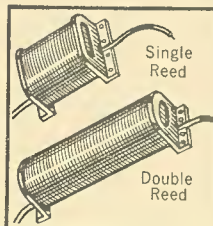
### STANDARD SIZE

56 C 6609	DRG-2-425	A	1.950	15	1.0	H-34	79
56 C 6613	DRG-DTH-445	C	1.562	10	.5	H-32	2.63

### MAGNETS

Stock No.	Mfr's Type	Size	EACH
56 C 6619	H-32	3/8x3/8x1"	.35
56 C 6620	H-33	1/8x1/8x3/8"	.30
56 C 6621	H-34	1/8x1/8x1"	.40

## JAMES REED COILS



Reed coils provide flexibility in reed switching. Allows freedom of establishing electrical characteristics and mechanical layout. Accept up to 2 reed switches for combination switching and logic systems—control relays can be assembled with desired switching of "A," "B," "C" circuits. Each reed coil is provided with easily inserted pins for mounting to PC boards. Can also be mounted directly to chassis. Adaptable to volume production techniques at big savings to the user.  
Sizes: Miniature reed coils, #1.131x.500x.562"; #1.131x.720x.562"; Standard reed coils; #2.318x.500x.562"; #2.318x.720x.562"; Average shpg. wt., 2 oz.

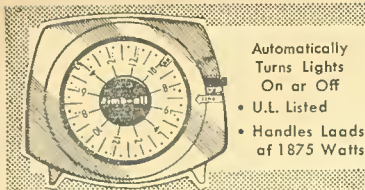
### MINIATURE SIZE

Stock No.	Mfr's Type	Capsule Capacity	DC V	Ohms	EACH
56 C 6639	7860	1*	12	1040	1.70
56 C 6640	7861	1*	24	3520	2.01
56 C 6643	7864	2†	12	575	1.80
56 C 6644	7865	2†	24	2100	2.07

### STANDARD SIZE

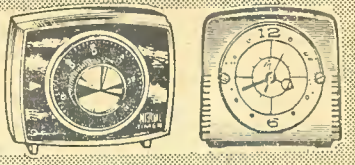
56 C 6651	7885	1*	12	860	1.81
56 C 6652	7886	1*	24	3400	2.00
56 C 6655	7889	2**	12	355	1.88
56 C 6656	7890	2**	24	1520	2.05

# Intermatic Timers and Photoelectric Controls



Automatically Turns Lights On or Off

- U.L. Listed
- Handles Loads of 1875 Watts



PT-301 A501

## PORTABLE INTERVAL TIMERS

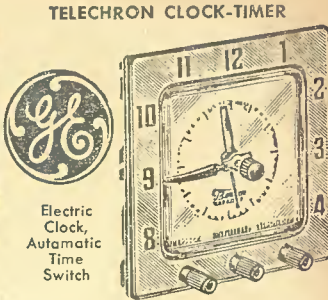
MODEL PT-301, Convenient and easy to use. Automatically shuts off lamps, sterilizers, etc. Time range: 0-60 min., 1 min. minimum. 15 amps. 1875 watts. Cyclocac® case. 110-120 V, 60 Hz AC. 5x4x3". Wt., 2 lbs. 58 C 8821. 1-5. Each 7.29 6-Up. Each 6.57

MODEL PT-304, Similar to above except time range span is 0-24 hrs., minimum setting 30 minutes. 5x4x3". Wt., 2 lbs. 58 C 8822. 1-5. Each 7.29 6-Up. Each 6.57

## MODEL A501 MUSIC-MINDER

Electric clock with Sleep Switch and Buzzer Alarm. Lets radio play up to 60 minutes before automatically shutting it off. Automatically turns radio on again in morning. Buzzer alarm sounds 10 minutes later to ensure arousing heavy sleepers. AC outlet on back takes 1875-watt load (15 A). Plaskon case. 6-ft. cord. 4 1/2 x 4 1/2 x 2 1/4". U.L. Listed. 110-120 V, 60 Hz AC. 58 C 8267. Wt., 2 lbs. 8.96

**TELECHRON CLOCK-TIMER**



Electric Clock, Automatic Time Switch

Excellent value in a famous-name combination electric clock and automatic time switch. Use for radio, hi-fi air conditioner, coffee-maker, etc. SPST switch rated 15 amps at 125 volts AC. Select manual "on" and "off" operation, or automatic appliance control at pre-selected time within 12 hours. Automatic operation can also be used with signal alarm sounding 10 minutes after "on" cycle begins. Or, select a definitely timed "on" cycle of up to one hour duration—use with radio as "sleep switch." Gold-finish case: 3 1/2 x 3 1/2 x 1 1/4" deep. For 110-120 volts, 60 Hz AC. Shpg. wt., 2 lbs. 58 C 8438.....5.74

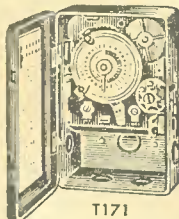
## "TIME-ALL" MODEL A911-6 AUTOMATIC APPLIANCE TIMER

You can easily set the "Time-All" to turn lights and appliances on and off at times you designate. The minimum "on" time is 15 minutes; maximum "on" time is 23 3/4 hours. Can be set to skip operation for a day or longer. Device to be controlled plugs into AC outlet on back of timer. Has manual control with automatic reset. Timer handles 15-amp, 1875-watt load. With 6-ft. cord, plug. Champagne White Plaskon case. 5x4x2 1/4". U.L. Listed. 110-120 V, 60 Hz AC. Shpg. wt., 2 lbs. 58 C 8311.....9.71

MODEL A921-6. Same as above, but designed to handle 7-amp, 875-watt load. For light duty applications, as control of music systems, house, garage, or yard lights, and most smaller electrical appliances. Dove Gray Plaskon case. Shpg. wt., 2 lbs. 58 C 8397.....8.96

## "SKIPPER" TIME SWITCHES

Handle up to 12 on-off operations. Can be set to skip one or more days.



T171

Permit "skipping" control cycle. Have two dials: a time dial and a day dial. Days are skipped by inserting small skipping screws into day dial. "On" and "off" trippers are set in time dial. Special "outout" tripper advances the day dial every 24 hours. Up to 12 operations per day can be obtained by adding trippers. Range: minimum "on" or "off," 1 hour; maximum 23 hours. Silver contacts rated 40 amps (4375 watts, tungsten) at 125 V. 7 3/4 x 5 3/8". U.L. Listed. For 110-120 V, 60 Hz AC. Shpg. wt., 3 lbs.

Stock No.	Type	Action	EACH
58 C 8315	T171	SPST	12.32
58 C 8316	T173	DPST	13.62
58 C 8317	T175	SPDT	13.62

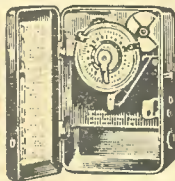
## TRIPPERS AND SKIPPING SCREWS

TYPE 107T19GR. "On" Cutout Trippers. For "Skipper" switches only. Shpg. wt., 3 oz. 58 C 8319.....Each .50

TYPE 79T8A. Skipping Screws. For "Skipper" switches only. Shpg. wt., 8 oz. 58 C 8364.....2 for .20

TYPE 107T8A. "On and Off" Trippers. For all switches except T185. Shpg. wt., 2 oz. 58 C 8324.....Per Set .50

## TIME SWITCHES



T101



P101



T185



T1975

## TYPE T101 TIME SWITCH

SPST time switch turns equipment on and off once in 24 hours. Can be activated up to 12 times a day with extra trippers (use Type 107T8A listed at the lower left of page). Minimum time between settings is one hour. Long-lasting Alloy-T contacts resist pitting and welding. Motor is visible for inspection. Contacts handle 40 amps (4375 watts, tungsten rated) at 125 volts. Size, 5x3x7 7/8". U.L. Listed. For 110-120 V, 60 Hz AC. Shpg. wt., 3 lbs. 58 C 8322.....9.07

TYPE T103. As above, but DPST. 58 C 8321.....10.37

## TYPE P101 TIME SWITCH

Portable, SPST plug-in time switch has numerous applications. Easily set for from 1 (as is) to 12 on-and-off operations per day (when used with extra 107T8A trippers, listed at left). Minimum on or off time, 1 hour; maximum, 23 hours. Can also be manually operated. 10 amps at 125 volts. Size, 5x3x7 7/8". U.L. Listed. For 110-120 V, 60 Hz AC. Shpg. wt., 4 lbs. 58 C 8314.....10.37

## TYPE T185 TIME SWITCH

Provides up to 12 on-and-off cycles daily, with extra trippers (listed below). Each cycle is independently controlled and can vary from 5 to 60 minutes. Minimum interval between cycles, 1 1/4 hours. Can be used as SPST normally open, SPST normally closed, or SPDT. The perfect switch for applications requiring more than one on-and-off cycle of the same or different duration within a 24-hour period. Rated 40 amps (4375 watts, tungsten rated) at 125 V. Supplied with 3 trippers. 7 3/4 x 5 3/8". U.L. Listed. For 110-120 V, 60 Hz AC. 58 C 8313. Shpg. wt., 4 lbs.....12.97

EXTRA TRIPPERS. For above. Shpg. wt., 4 oz. 58 C 8336.....Each 1.27

## TYPE T1975 PROGRAM TIMER

96 trippers for 48 on-and-off operations every 24 hours. Minimum interval, 15 minutes. Has "skipper" feature for omitting operation on selected days. SPDT switch, rated 20 amps at 125 V. Industrial-type motor. U.L. Listed. 7 3/4 x 5 3/8". For 110-120 V, 60 Hz AC. Shpg. wt., 3 3/4 lbs. 58 C 8378. \$5 Monthly.....23.37

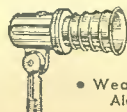
## INDOOR-OUTDOOR PHOTOELECTRIC LIGHT-CONTROL DEVICES

Turn lights on at dusk, off at dawn automatically. Modern printed circuits, housed in aluminum. Self-cleaning lens and moisture-proof photocell. Handle tungsten, mercury vapor, or fluorescent lights.

**A** MODEL K1611. Complete photocell and Par lamp holder in one unit. External switch leg provides instantaneous control of other light clusters. 1000 watts. For 125 V, 60 Hz AC. Shpg. wt., 1 lb. 58 C 8337.....11.02

**B** SERIES K1100. Adjustable stem permits mounting angle to 80°. Light selective louvers handle tungsten mercury vapor or fluorescent lights. (2 FC on; 5 FC off). 1500 watts. Shpg. wt., 1/2 lb. 58 C 8341. K1121. 105-130 V.....13.62 58 C 8797. K1122. 208-240 V.....13.62

SERIES K1111. As above, but 650 watts. 58 C 8345. K1111. 105-130 V.....12.32 58 C 8798. K1112. 208-240 V.....12.32



- Weather-Resistant Aluminum Housings
- Modern, Dependable Printed Circuits
- Operate From Artificial or Natural Light





# Timers for New Convenience in Home and Shop

## MARK-TIME AUTOMATIC TIMER AND TIME SWITCHES



**Model 29001 Bell Timer.** Spring-driven timer accurately times intervals up to 60 minutes. Bell rings at end of timing interval. White molded-plastic finish. Size,  $2\frac{1}{2} \times 4\frac{3}{8}$ " dia. Wt., 10 oz. 58 C 8380. 1-11.....Each 2.96 12-up.....Each 2.63

**Model 22501 Bell Timer.** Attractively styled spring-driven timer. Times intervals up to 60 minutes with loud, clear bell tones. Excellent for kitchen, office or laboratory. Stands on a table or easily mounts on a wall. Beige plastic finish. Size,  $2 \times 2 \times 2$ ". Wt., 10 oz. 58 C 8258. 1-11.....Each 4.46 12-up.....Each 3.97

**Series 78100 Time Switches.** Turn-off devices after preset time. Have AC receptacle. \*For timing developers, enlargers, etc.; adjustable stop for repeat settings; has "hold" feature. Rated at 10 A, 125 VAC.  $3\frac{3}{8} \times 3\frac{3}{4} \times 3\frac{1}{2}$ ". For 110-120 V, 60 Hz AC. Wt., 1 lb.

Stock No.	Type	Maximum Setting	Ea., 1-11	Ea., 12-Up
58 C 8264	78174*	60 Seconds	7.13	6.33
58 C 8265	78104	30 Minutes	6.71	5.97
58 C 8263	78105	60 Minutes	6.71	5.97
58 C 8266	78126	12 Hours	6.71	5.97

**Standard-Built-In Time Switches.** Easily set for "off-time" or "on-time" use. Easy to install. With hardware. Rated at 20 amps, 125-240 VAC. U.L. Listed.

Stock No.	Type	Timing Range	Dia. x Depth	Lbs.	EACH
58 C 8259	74701	0 to 15 min.	$2\frac{9}{16} \times 1\frac{9}{32}$ "	1	6.38
58 C 8261	74702	0 to 30 min.		1	6.38
58 C 8268	74703	0 to 60 min.		1	6.38

### MODEL 99003 "ALL IN ONE" TIME SWITCH

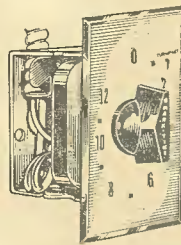
- Consists of Time Switch, Extension Cord, 3-Way AC Outlet
- Automatically Turns Off Devices After Up to 4 Hours
- Convenient "Hold" Feature • Rated 10 Amps, 125 VAC

Ideal for controlling TV sets, lamps, radios, etc. Insert plug into any wall outlet; plug up to 3 devices into outlet; and set knob for desired time cycle up to 4 hrs. After predetermined time has passed, switch automatically shuts devices off. In "hold" position, devices remain in operation. SPST switch, rated 10 amps, 125 VAC. Cream base; brass-finished dial plate. Has  $5\frac{1}{2}$ -foot cord. For 110-120 V, 60 Hz AC. Shpg. wt., 1 lb. 58 C 8294. 1-11.....Each 5.96 12-up.....Each 5.30

### WALL-BOX TIME SWITCHES

Fit std. wallbox. Automatically turn off devices after preset time. 20 amps, 125 V. "Hold" feature for continuous use. C.S.A. Listed. 110-120 V, 60 Hz. AC. 9 oz.

Stock No.	Mfr's Type	Max. Setting	EACH	
			1-11	12-Up
58 C 8269	90004	5 Minutes	5.63	5.00
58 C 8270	90005	15 Minutes	5.63	5.00
58 C 8274	90006	30 Minutes	5.63	5.00
58 C 8275	90021*	3 Minutes	5.63	5.00
58 C 8276	90024*	60 Minutes	5.63	5.00
58 C 8277	90015*	12 Hours	5.63	5.00



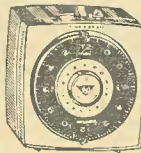
## PARAGON MULTI-PURPOSE TIME CONTROLS



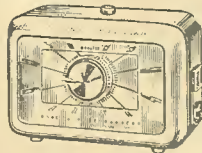
4000



7000



APT15-0



AT45-0

### 4000 SERIES 24-HOUR CONTROLS

Up to 7 on-off operations per day— $1\frac{1}{2}$ -hour minimum between settings. Double pole type switches 9600 watts on 3-wire load. "Skip-A-Day" feature (on 4003-OS and 4005-OS) eliminates operation for preselected days. 40 amps. U.L. Listed.  $7\frac{1}{16} \times 4\frac{1}{8} \times 2\frac{1}{16}$ ". 110-120 volts, AC.  $2\frac{1}{2}$  lbs. 58 C 8000. Type 4001-O. SPST.....9.07 58 C 8002. Type 4003-OS. SPST.....13.62 58 C 8003. Type 4005-OS. SPST.....13.62

### 7000 SERIES 7-DAY CONTROLS

Deluxe version of above. 28 on-off combinations per week or 4 per day—3-hour minimum between operations. Permits up to 4 automatic "On-Off" operations at different hours each day. You can omit one or more days completely if desired. T-rated action of 40 amps for Type 7007-O, 4PST, and 40 amps non-inductive on 7008-O, 2 N.O.—2 N.C. U.L. Listed.  $10\frac{7}{8} \times 7\frac{3}{8} \times 3\frac{3}{8}$ ". 110-120 V, 60 Hz. AC. Shpg. wt., 6 $\frac{1}{2}$  lbs. 58 C 8013. Type 7007-O, 4 N.O.....21.09 58 C 8014. Type 7008-O, 2 N.O., 2 N.C.....21.09

### APT15-0 HOUSEHOLD TIMER

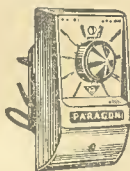
Wake to fresh, hot coffee—let music lull you to sleep. You decide on and off time—timer doesn't forget. Skip a schedule without resetting. Makes virtually all home appliances automatic. 1800-watt capacity. U.L. and C.S.A. Listed.  $4\frac{3}{8} \times 4\frac{3}{8} \times 2\frac{3}{4}$ ". For 110-120 V, 60 Hz. AC. Wt., 2 lbs. 58 C 8055.....9.76

### AT45-0 INTERVAL TIMER

Excellent for sun lamps, vibrator pillows, heating pads, cooking appliances, and lab equipment. Buzzer signals end of timed period. Use with or without buzzer. One minute dial graduations for setting accuracy. Simple friction setting. Time range 0-60 minutes.  $3\frac{3}{8} \times 5\frac{1}{2} \times 2\frac{3}{16}$ ". 1600 watt capacity. U.L. Listed. With 4-foot cord set. 110-120 V, 60 Hz. AC.  $1\frac{1}{2}$  lbs. 58 C 8008.....10.64

Model AT3160-O. As above, without buzzer. 840-watt capacity.  $2\frac{3}{8} \times 4\frac{1}{8} \times 2\frac{3}{8}$ ".  $1\frac{1}{4}$  lbs. 58 C 8009.....7.31

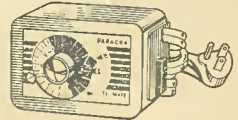
### FA-FF SERIES FLUSH-MOUNT TIMER



For attic or window fans, yard lights, small air conditioners, or other applications where permanent control installation is desired. Designed to mount in a standard single outlet box, like a light switch. Handsome molded ivory wall plate has gold dial with black numerals, and a gold knob. Available in \*15 min., \*60 min., and \*120 hr. time ranges.  $\frac{3}{4}$  hprated. Size,  $4\frac{1}{2} \times 2\frac{3}{4} \times 1\frac{3}{16}$ ". For 110-120 volt, 60 Hz. AC. Wt., 12 oz. 58 C 8010. Type FF15-O.....6.47 58 C 8011. Type FF51-O.....6.47 58 C 8012. Type FA51-O.....6.47

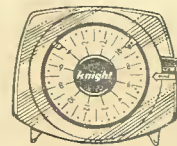


Makes Every Air Conditioner Automatic



### TYPE AC AIR CONDITIONER TIMERS

Turns air conditioners on and off automatically. Time ON and time OFF are set on 24-hour dial. Minimum time between ON and OFF settings is 2 hours. SPST switch contacts rated 12 amps full load at 120 V and 240 V, 60 Hz AC. Four no-mar feet for desk use, 2 holes on backplate for wall mounting. Beige case,  $2\frac{3}{8} \times 4\frac{1}{8} \times 2\frac{3}{8}$ ". With 5-ft. cord, right-angle grounding plug, 3-wire grounded receptacle. Wt.,  $1\frac{3}{4}$  lbs. 58 C 8810. Type AC1-0. 120 V.....9.97 58 C 8811. Type AC4-20. 208-240 V.....11.29



**KNIGHT ALL-PURPOSE TIMER**

Handles Loads Up to 1875 Watts

Designed specifically for Allied for use in home or shop. Controls a wide variety of devices—makes virtually any electrical appliance automatic. Handles up to 1875 watts (15 amps). Minimum ON time is 15 minutes; maximum ON time is  $23\frac{1}{4}$  hours. Can be set to skip a day. Manual control with automatic reset. Dove Gray case with Midnight Blue dial. Size,  $5 \times 4 \times 2\frac{1}{2}$ ". With 6-foot cord, plug, and instructions. 110-120 V, 60 Hz AC. U.L. Listed. 58 C 8420. Shpg. wt., 2 lbs.....8.77

# Littelfuse Fuses and Accessories

## TYPE 3AG SLO-BLO FUSES

Series 313000. Have high time-lag to withstand heavy surges, yet blow quickly on short-circuits. Excellent where high inductive or capacitive surges or heavy starting currents are present. Blowing specifications: 110% of rating, 4 hrs. minimum; 135%, 1 hour maximum; 200%, 5 seconds minimum. Employ anti-fatigue construction with spring and resistor. Fuses rated up to 5 amps are U.L. Component Program-Recognized. All are rated at 125 volts maximum except \*32 volts maximum. Size, 1 1/4x1/4". 2 oz. 5 FUSES PER PACKAGE.



Amperes	Stock No.	5 PER PACKAGE	Amperes	Stock No.	5 PER PACKAGE
1/100	57 C 3073	1.53	1-2/10	57 C 3643	1.02
1/32	57 C 3074	1.53	1-1/4	57 C 3090	1.02
1/16	57 C 3075	1.10	1-1/2	57 C 3091	1.02
1/10	57 C 3076	1.10	1-6/10	57 C 3092	1.02
1/8	57 C 3077	1.10	2	57 C 3093	1.02
15/100	57 C 3078	1.10	2-1/2	57 C 3094	.81
.175	57 C 3079	1.10	2-8/10	57 C 3099	.81
3/16	57 C 3080	1.10	3	57 C 3095	.81
2/10	57 C 3081	1.10	3-2/10	57 C 3096	.81
1/4	57 C 3082	1.10	4	57 C 3097	.81
3/10	57 C 3083	1.10	5	57 C 3098	.81
3/8	57 C 3084	1.10	6-1/4*	57 C 3100	.81
4/10	57 C 3641	1.10	7*	57 C 3644	.81
1/2	57 C 3085	1.10	8*	57 C 3101	.81
6/10	57 C 3086	1.10	10*	57 C 3102	.81
7/10	57 C 3642	1.10	15*	57 C 3103	.81
3/4	57 C 3087	1.10	20*	57 C 3104	.81
8/10	57 C 3088	1.10	25*	57 C 3105	.81
1	57 C 3089	1.10	30*	57 C 3106	.81

## 3AG INDICATING FUSES

Series 334000. Medium-acting fuses employ a silver plated pin which extends from end when fuse is blown. Pin acts as a visual indication or may be used to actuate an alarm or light. All types carry 110% of rating 4 hours minimum; 135%, 1-hour maximum. 2 oz. 5 FUSES PER PKG.



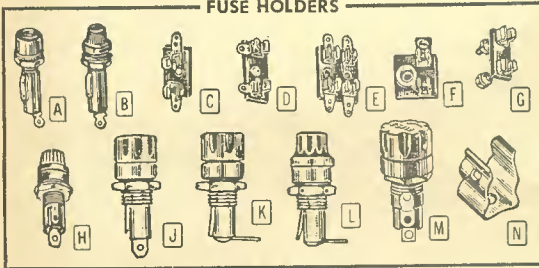
Amperes	Stock No.	5 PER PACKAGE	Amperes	Stock No.	5 PER PACKAGE
3/4	57 C 3200	2.25	6	57 C 3207	2.43
1	57 C 3201	1.77	8	57 C 3208	2.43
1-1/2	57 C 3202	1.77	10	57 C 3209	2.43
2	57 C 3203	1.77	12	57 C 3210	2.43
3	57 C 3204	1.77	15	57 C 3211	2.43
4	57 C 3205	1.77	20	57 C 3213	2.43
5	57 C 3206	1.77			

## FUSEMASTER RACK ASSORTMENT

Plastic rack displays 300 fuses. Includes 100 fuses, inventory control backboard, pressure-sensitive blank inventory labels, mounting screws. Includes: TYPE 3AG—ten 1/4-amp; ten 1/2-amp, five 1-amp, five 2-amp, five 5-amp. TYPE 3AG SLO-BLO—ten 1/4-amp, five 1/2-amp, five 1-amp, five 2-amp, five 3-amp, ten 5-amp. TYPE C—ten 3/10-amp, TYPE N—five 3/10-amp, five 4/10-amp, five 1/2-amp. 57 C 3071. Shpg. wt., 2 lbs. .... 15.00



## FUSE HOLDERS



## MILITARY—MIL-F-19207A (\*RF Shield)

Stock No.	Mfr's Type	MIL No.	Fig.	Post Description	EACH
57 C 3677	342025	FHN20G	K	3AG miniature	1.28
57 C 3676	342024	FHN26G	H	3AG miniature	1.24
57 C 3052	340255	FHN26G*	H	3AG miniature	4.50
57 C 3678	342021	FHN26W	M	3AG waterproof	4.10
57 C 3680	372003	FHN31G	B	8AG extractor	2.50

## TYPE 3AG STANDARD FUSES

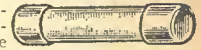
Quick-acting types for short time-lag applications. Ideal for radios, amplifiers, transmitters, etc. Diagonal alignment of fuse element assures accurate blowing even when element is expanded by heat. Completely unaffected by high operating temperatures. Blowing specifications: 110% of rating, 4 hours min.; 135%, 1-hour max.; 200%, 10 sec. max. U.L. Component Program-Recognized. Rated 250 V max. except \*125 V and †32 V. 1 1/4x1/4". 2 oz. 5 FUSES PER PKG.



Amperes	Stock No.	5 PER PACKAGE	Amperes	Stock No.	5 PER PACKAGE
1/100	57 C 3600	2.07	2	57 C 3119	.33
1/32	57 C 3601	1.77	2-1/2	57 C 3657	.30
1/16	57 C 3107	.81	3	57 C 3120	.30
1/8	57 C 3108	.81	4	57 C 3121	.42
15/100	57 C 3654	.81	5	57 C 3122	.42
3/16	57 C 3110	.81	6	57 C 3125	.42
2/10	57 C 3656	.81	8*	57 C 3126	.63
1/4	57 C 3111	.54	4†	57 C 3703	.30
3/10	57 C 3112	.54	5†	57 C 3704	.22
3/8	57 C 3113	.54	6†	57 C 3709	.22
1/2	57 C 3114	.54	7-1/2†	57 C 3710	.22
6/10	57 C 3115	.54	10†	57 C 3705	.22
3/4	57 C 3116	.54	15†	57 C 3706	.22
1	57 C 3117	.33	25†	57 C 3707	.25
1 1/2	57 C 3118	.33	30†	57 C 3708	.25

## TYPE 3AB MEDIUM-LAG FUSES

Series 314000. Steatite enclosed, arc-quenching, powder-filled fuses. Smallest U.L. Component Program-Recognized units in these high ratings. Medium-time-lag. Shatter-proofed against quick shorts. For amplifiers, etc. Maximum volts 250, except \*125. 1 1/4x1/4". Wt., 2 oz. 5 PER PKG.



Amperes	Stock No.	5 PER PACKAGE	Amperes	Stock No.	5 PER PACKAGE
1/8	57 C 3711	.72	5	57 C 3719	.66
1/4	57 C 3712	.72	6	57 C 3720	.66
3/8	57 C 3713	.72	8	57 C 3721	.66
1/2	57 C 3714	.72	10	57 C 3722	.66
3/4	57 C 3715	.72	12	57 C 3723	.69
1	57 C 3716	.69	15	57 C 3724	.69
2	57 C 3717	.69	20*	57 C 3725	.69
3	57 C 3718	.69	25*	57 C 3726	.84

## TYPE 8AG FAST-ACTION INSTRUMENT FUSES

Series 361000. Reliable efficiency and high speed action of these fuses make them ideal for protecting delicate equipment—ammeters, wattmeters, radio "B" circuits, small rectifier and power tubes. 250-volt maximum except \*125 volts. 1x1/4". Av. shpg. wt., 2 oz. 5 PER PKG.



Amperes	Stock No.	5 PER PACKAGE	Amperes	Stock No.	5 PER PACKAGE
1/500	57 C 3214	5.43	3/8	57 C 3221	.54
1/200	57 C 3215	2.25	1/2	57 C 3222	.54
1/100	57 C 3216	2.07	1	57 C 3224	.33
1/32	57 C 3217	1.77	1 1/2	57 C 3225	.33
1/16	57 C 3218	1.14	2	57 C 3235	.33
1/10	57 C 3658	.81	3	57 C 3236	.33
1/8	57 C 3219	.81	5*	57 C 3237	.33
1/4	57 C 3220	.54			

## INDUSTRIAL—FOR 3AG AND 3AB

Fuse mounting accessories. Provide the quickest, safest, and simplest methods to mount and change fuses. Av. shpg. wt., 2 oz.

Stock No.	Mfr's Type	Fig.	Description	EACH
57 C 3000	341001	A	Screw slot	.54
57 C 3001	342001	B	Thumb knob	.54
57 C 3002	342012	H	Extractor post	.40
57 C 3003	342014	J	Miniature fuse post	.40
57 C 3004	342004	K	Miniature fuse post	.45
57 C 3005	342022	L	Miniature fuse post	.45
57 C 3006	350218	D	Single fuse mounting	.18
57 C 3007	353001	G	Panel-type mounting	.51
57 C 3008	356001	C	Screw terminals	.36
57 C 3009	357001	C	Lug terminals	.18
57 C 3010	357002	E	Double fuse mounting	.34
57 C 3238	101001	N	Phosphor bronze clips	.025

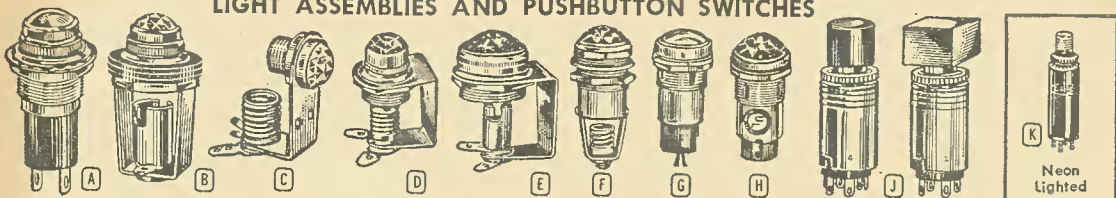
## FOR 8AG

Stock No.	Mfr's Type	Fig.	Description	EACH
57 C 3013	372001	B	Thumb knob	.54
57 C 3014	383002	F	"Meter-back" mounting	.34
57 C 3015	387001	C	Lug terminals	.18
57 C 3016	387002	E	Double fuse mounting	.34



# Dialco Pilot Light Assemblies, Switches, Indicators

## LIGHT ASSEMBLIES AND PUSHBUTTON SWITCHES



### LOW-V ENCLOSED SIGNAL ASSEMBLIES

**A** Series 81-9110. Convex lens; smooth face. Frosted back. 1/2" white, nickel-plated brass holders. Use bayonet lamp, replaceable from front. 2 1/4" long. 1/8" mtg. hole. Panels up to 3/8" thick. \*Translucent, unfrosted. Solder terminals. Less lamp. Shpg. wt., 2 oz.

Stock No.	Type	Color	EACH
60 C 7780	-0111-102	Red	.82
60 C 7781	-0112-102	Green	.82
60 C 7782	-0113-102	Amber	.82
60 C 7786	-0114-102	Blue	.82
60 C 7785	-0135-102*	White	.82

### HALF-INCH OPEN MIN. BAYONET TYPES

**B** Series 502-8140. Have 1/2" lens and 1/8" mounting hole. Faceted and unfrosted. Less lamp. Shpg. wt., 2 oz.

Stock No.	Type	Color	EACH
60 C 7889	-2131-100	Red	.63
60 C 7890	-2132-100	Green	.63
60 C 7891	-2133-100	Amber	.63

### T-3/4 LAMPS FOR ABOVE

Single-contact miniature bayonet lamps for Series 81-9110 and 502-8140. Shpg. wt., 2 oz.

Stk. No.	V	EA.	Stk. No.	V	EA.
60 C 7366	6-8	.18	60 C 7341	28	.30
60 C 7367	3.2	.15	60 C 7361	12-16	.20

### ENCLOSED NEON LIGHT ASSEMBLIES

Series 95-9108\* and 95-9163†. With built-in 56K resistor for NE-51, 110-125 V circuit; or 22K for NE-51H high-brightness neon glow lamp, 110-125 V AC or DC. 2 1/8" long. 1/8" mtg. hole. \*Solder terms. †Screw terms. \*U.L. Recog. Less lamp. 2 oz.

Stock No.	FOR	Type	Color	EA.
60 C 7838	*NE-51	-0931-142	Red	.87
60 C 7839	*NE-51	-0933-142	Amber	.87
60 C 7840	*NE-51	-0935-142	White	.87
60 C 7841	*NE-51	-0937-142	Clear	.87
60 C 7697	†NE-51H	-0931-112	Red	.87
60 C 7698	†NE-51H	-0933-112	Amber	.87
60 C 7699	†NE-51H	-0935-112	White	.87
60 C 7732	†NE-51H	-0937-112	Clear	.87

60 C 8534.	NE-51B1A Lamp.	2 oz.	.20
60 C 8535.	NE-51HB2A Lamp.	2 oz.	.22

### LENS CAPS FOR ASSEMBLIES, SWITCHES AND INDICATORS



514-0512    514-1012    81    31

### SERIES 0512 AND 1012

#### PANEL-MOUNTING LENS CAPS

Panel-mounting lens caps are 3/8" long. Require 1/8" behind panel. Mounting holes: Series 0512, 3/32" thread; Series 1012, 7/64" thread. Shpg. wt., 2 oz.

Stock No.	Mfr's Type	Dia.	Color	EACH
60 C 8018	514	1/8"	Red	1.9-10.24
60 C 8019	1012-2131-102	1/8"	Green	.18 .16
60 C 8020	1012-2132-102	1/8"	Amber	.18 .16
60 C 8023	0512-2131-102	1/8"	Red	.17 .15
60 C 8024	0512-2132-102	1/8"	Green	.17 .15
60 C 8025	0512-2133-102	1/8"	Amber	.17 .15
60 C 8026	0512-2134-102	1/8"	Blue	.17 .15
60 C 8027	0512-2135-102	1/8"	White	.17 .15

### 1/2" LENS CAPS FOR PUSHBUTTON SWITCHES AND INDICATOR LIGHT



Round rotatable types permit alignment after installation. Keyed square types push on for permanent positioning. Have solid-color translucent face and sides. High-strength plastic lens. Shpg. wt., 2 oz.

Color	Round Rotatable		Square Keyed		EA.
	Stk. No.	Type	Stk. No.	Type	
Red	60 C 8857	183-1471	60 C 8878	184-1871	.59
Green	60 C 8858	183-1472	60 C 8879	184-1872	.59
Amber	60 C 8859	183-1473	60 C 8880	184-1873	.59
Blue	60 C 8860	183-1474	60 C 8881	184-1874	.59
White	60 C 8861	183-1475	60 C 8882	184-1875	.59
Lt. Yel.	60 C 8862	183-1476			.59
Ivory	60 C 8863	183-1478			.59

### ENCLOSED NEON LIGHT ASSEMBLIES

Series 95-9110. Same as 95-9163, below left, but less resistor. For min. bayonet lamps. Solder terminals. 2 oz.

Stock No.	Type	Color	EACH
60 C 7846	-0931-102	Red	.73
60 C 7847	-0932-102	Green	.73
60 C 7848	-0933-102	Amber	.73
60 C 7850	-0935-102	White	.73

### OPEN TYPES—FACETED JEWEL LENSES

**C** Series 502-1015, 502-1024, 1/2" lens. Min. screw for T-3/4 bulb; bayonet (not illus.), T-3/4 bulb. 1/8" clearance hole. 2 oz.

Color	502-1015 Min. Screw	502-1024 Bayonet
Red	60 C 7938	60 C 7940
Green	60 C 7941	60 C 7943
Amber	60 C 7944	60 C 7946

Any Color..... Each .34

**D** Series 502. 1/2" lens. For T-3/4 bulb. 1/8" clearance hole. \*Not illus. 2 oz.

Color	Min. Screw -8137	Bayonet* -8136	EACH
Red	60 C 7966	60 C 7967	.50
Green	60 C 7968	60 C 7969	.50
Amber	60 C 7970	60 C 7971	.50
Blue		60 C 7990	.50
White		60 C 7992	.50

**E** Series 502. 1" jewel. 3241 requires T-3/4 bulb; -3214, S6 bulb. 1" clearance hole. \*Not illustrated. Shpg. wt., 2 oz.

Color	-3214 Cand.*	-3241 Bay.
Red	60 C 7975	60 C 7947
Green	60 C 7976	60 C 7948
Amber	60 C 7977	60 C 7949

Any Color..... Each .88

Lamps for Above. \*Miniature Screw. †Candelabra. ‡Bayonet. Wt., 2 oz.

Stock No.	V	EA.	Stock No.	V	EA.
60 C 7317	*6-8	.15	60 C 7383	*24	.28
60 C 7355	*12-16	.26	60 C 7366	*6-8	.15
60 C 7329	*13.5	.46	60 C 7361	*12-16	.20

### 115-V ONE-INCH MOUNT-ASSEMBLIES

**F** Series 502-3228. Open type. Faceted jewel. Chromed solid-brass holder. Candelabra screw socket. Less lamp, below. 2 oz.

Stock No.	Type	Color	Stock No.	Type	Color
60 C 7860	-0431	Red	60 C 7862	-0433	Amber
60 C 7861	-0432	Green			

Any Color..... Each .98

**G** Series 32-2901. Enclosed. Frosted back. Brass; chromed cap. 6" leads. \*Translucent. Less lamp, below. 3 oz.

Stock No.	Type	Color	EACH
60 C 7934	0111-302	Red	1.74
60 C 7935	0112-302	Green	1.74
60 C 7936	0113-302	Amber	1.74
60 C 7937	0117-302	Clear	1.74
60 C 7866	0135-302	White*	1.74

**H** Series 32-3101. Enclosed. Faceted. Black phenolic; brass. Chromed. Cand. base. \*U.L. Recog. Less lamp, below. 2 oz.

60 C 7928	-0431-302	Red	1.46
60 C 7929	-0432-302	Green	1.46
60 C 7930	-0433-302	Amber	1.46
60 C 7933	-0434-302	Blue	1.46
60 C 7932	-0435-302	White	1.46
60 C 7931	-0437-302	Clear	1.46

60 C 8543. 656-125V Lamp. 2 oz. Pkg. 2/4.2

### ILLUMINATED PUSHBUTTON SWITCHES

**J** Mounted in 1/2" dia. hole from rear in panels up to 3/8" thick. All are momentary action, rated 3 A, 125 VAC; 3 A, 30 VDC. Silver contacts. 1/2" 183 and 184 Series lens caps, bottom left, and T-1 3/4 lamp, below, 3 oz.

Stock No.	Type	Action	EACH
60 C 8850	513-0101-604	SPST N.O.	3.12
60 C 8851	513-0201-604	SPST N.C.	3.12
60 C 8852	513-0301-604	SPDT	3.45

### INDICATOR LIGHT



Type 183-9830-14-604. Matches switches, above. Front or rear mtg. in 1/2" dia. hole. Less round or square 1/2" lens caps, listed bottom left; T-1 3/4 lamp below. 2 oz.

60 C 8856..... Each 1.01

### 913 NEON PUSHBUTTON SWITCHES

**K** SPST. N.O. momentary contact. Gold-plated contacts, 0.1 amp @ 125 VAC; 0.1 amp @ 30 VDC, noninductive. Rear-mtg.; 3/8" hole clearance. Solder terms. Non-replaceable lamp. For 110-125 V, \*AC-DC (with 56K res.); †AC (with 22K res.), and high brightness, 2 oz.

Stock No.	Type 913	Color	EACH
60 C 9029	1152-1631-523*	Red	1.9, 2.84
60 C 9030	1152-1633-523*	Amber	
60 C 9031	1152-1635-523*	White	
60 C 9032	1152-1637-523*	Clear	10-24, 2.59
60 C 9033	1155-1631-523†	Red	25-99, 2.37
60 C 9034	1155-1633-523†	Amber	
60 C 9035	1155-1635-523†	White	
60 C 9036	1155-1637-523†	Clear	

### G.E. T-1 3/4 LAMPS

For illuminated pushbutton switches and indicator light, above. \*50,000-hour types. 2 oz.

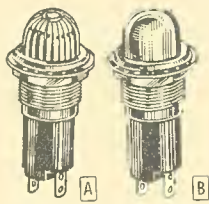
Stock No.	Type	Volts	Amps	EACH
60 C 7147	338	2.7	.06	.89
60 C 7376	345	6.0	.04	1.54
60 C 7343	328	6.0	.20	.54
60 C 7400	380*	6.3	.04	1.85
60 C 7401	381*	6.3	.20	1.17
60 C 7375	344*	10	.014	1.54
60 C 8900	367	10	.04	1.65
60 C 7374	330	14	.08	.78
60 C 7402	382*	14	.08	1.34
60 C 7342	327	28	.04	.70

# Pilot and Indicator Lights; Lamp Sockets

## DIALCO INDICATORS

### NEON INDICATORS WITH BUILT-IN RESISTORS

**A** Series 52-0408\* 52-0463†. For T-3/4 neon lamp. Same as Series 95-9108, but with fluted stovepipe lens. Meets MIL-L-3561. Solder terminals. \*Series 52-0408 has built-in 56K resistor for NE-51 lamp; add suffix -241. †Series 52-0463 has built-in 22K resistor for NE-51H lamp; add suffix -211. Av. shpg. wt., 2 oz.



Lens Color	NE-51* Stock No.	NE-51H† Stock No.	Mfr's Type	EACH
Red	60 C 7806	60 C 7810	-0991	1.26
Amber	60 C 7807	60 C 7811	-0993	1.26
White	60 C 7808	60 C 7812	-0995	1.26
Clear	60 C 7809	60 C 7813	-0997	1.26

Series 62-1308\*, 52-1353†. As above, but with screw terminals.

Lens Color	NE-51* Stock No.	NE-51H† Stock No.	Mfr's Type	EACH
Red	60 C 7814	60 C 7818	-0991	1.34
Amber	60 C 7815	60 C 7819	-0993	1.34
White	60 C 7816	60 C 7820	-0995	1.34
Clear	60 C 7817	60 C 7821	-0997	1.34

**B** Series 95-0408\*, 95-0463†. For T-3/4 neon lamp. Meets MIL spec. Smooth stovepipe lens, 110-125V, AC-DC. Black nickel finish, 2 1/16" long. \*U.L. Recog., C.S.A. Listed. Solder terminals. \*Prefix 95-0408 for NE-51; add Suffix -241. †Prefix 95-0463 for NE-51H; add Suffix -211. Av. shpg. wt., 2 oz.

Red	60 C 7822	60 C 7826	-0931	1.26
Amber	60 C 7823	60 C 7827	-0933	1.26
White	60 C 7824	60 C 7828	-0935	1.26
Clear	60 C 7825	60 C 7829	-0937	1.26

**B** Series 95-9108\*, 95-9153†. Same as Series 95-0408 above, but with plastic head and phenolic body. \*U.L. Recognized. Solder terminals. \*Use Prefix 95-9108 for NE-51 lamp; add Suffix -142. †Prefix 95-9163 for NE-51H lamp; add Suffix -112. For 110-125 V, AC-DC. Av. shpg. wt., 2 oz.

Red	60 C 7838	60 C 7697	-0931	.87
Amber	60 C 7839	60 C 7698	-0933	.87
White	60 C 7840	60 C 7699	-0935	.87
Clear	60 C 7841	60 C 7732	-0937	.87

Sturdy lampholder assemblies for every requirement. Each assembly consists of a socket and bracket. Tables below indicate which sockets and brackets combine to make up each lampholder. Av. shpg. wt., 5 oz.

Series 2-00. Miniature bayonet sockets with insulating sleeves. .025 to .032" steel brackets; cadmium-plated. Built-in #22 wire leads.

Stock No.	Type	Socket	Bracket	EACH
60 C 8054	2-01	C	T	.41
60 C 8055	2-04	D	D	.41
60 C 8056	2-06	C	C	.41
60 C 8057	2-13	C	N	.41
60 C 8058	2-15	C	F	.41

Series 4-00. Candelabra screw sockets in molded bakelite. #18 black and white wire, 6" long with ends stripped 1/2". For both incandescent and neon glow lamps.

Stock No.	Type	F	T	EACH
60 C 8066	4-01	F	T	.45
60 C 8068	4-05	F	R	.45
60 C 8069	4-06	F	C	.45
60 C 8070	4-08	F	R	.45

Series 5-00. Miniature screw sockets. Tinned solder terminals. For low-voltage incandescent lamps. Cadmium-plated steel brackets.

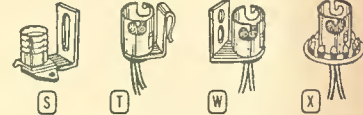
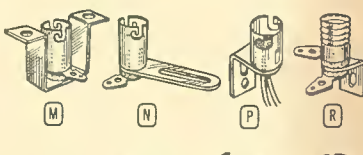
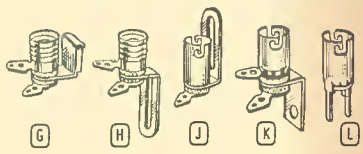
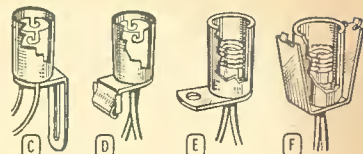
Stock No.	Type	G	T	EACH
60 C 8072	5-01	G	T	.29
60 C 8073	5-04	G	J	.29
60 C 8074	5-05	G	H	.29
60 C 8075	5-06	G	H	.29
60 C 8076	5-07	G	NONE	.29
60 C 8077	5-08	G	N	.29
60 C 8078	5-13	G	N	.29

Series 6-00. Candelabra sockets. Tinned solder terminals. .025 to .032" steel brackets; cadmium-plated for corrosion resistance. For G, S6 incandescent lamps.

Stock No.	Type	H	T	EACH
60 C 8080	6-01	H	T	.34
60 C 8081	6-04	H	J	.34
60 C 8082	6-05	H	H	.34
60 C 8083	6-06	H	J	.34
60 C 8084	6-07	H	NONE	.34
60 C 8085	6-08	H	H	.34
60 C 8086	6-11	H	M	.34
60 C 8087	6-13	H	N	.34

Series 7-00. Miniature bayonet sockets with solder terminals for low-voltage incandescent lamps as T-3/4, G-3/4, and G-4/4. \*Designed for printed circuits.

Stock No.	Type	M	T	EACH
60 C 8089	7-01	M	T	.35
60 C 8090	7-04	M	J	.35
60 C 8091	7-05	M	J	.35
60 C 8092	7-06	M	J	.35
60 C 8093	7-07	M	NONE	.35
60 C 8094	7-08	M	R	.35
60 C 8095	7-11	M	M	.35
60 C 8096	7-13	N	N	.35
60 C 8097	7-15	M	F	.35
60 C 8098	7-20	K	K	.35
60 C 8099	*7-35	L	L	.36



Series 11-200. Single-contact candelabra bayonet socket with one wire lead. Comes with #18 wire and .035 to .042" thick steel brackets; cadmium-plated for high corrosion resistance.

Stock No.	Type	Socket	Bracket	EACH
60 C 8100	11-271	P	W	.41
60 C 8101	11-272	P	P	.41

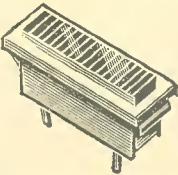
Series 12-200. Double-contact candelabra bayonet sockets. Contacts are mounted in a bakelite disk and separated by small coils. Disk is spring-loaded to assure positive contact. Can be used with incandescent and neon glow lamps as NE-48, S6, and 10C7. \*Plug in bracket. \*U.L. Recog., C.S.A. Listed.

Stock No.	Type	T	EACH
60 C 8102	12-201	T	.50
60 C 8103	12-212	T	.50
60 C 8105*	12-240	X	.50
60 C 8106	12-271	W	.50
60 C 8107	12-272	P	.50

## LEECRAFT NEON PILOT LIGHTS AND INDICATORS

### NEON INDICATOR LIGHTS

Rectangular neon indicator lights—excellent for new equipment design or for modernizing existing equipment. White nylon housing with chromed bezel. Have 6" insulated leads. Require 1.281x.395" mtg. hole. Series resistor supplied. Rated 1/3 watt at 125-250 volts. Size, 1 1/8x1 1/2x1 1/2". Shpg. wt., 5 oz.



### SERIES 31—110-125 VOLTS

Stock No.	Type	Color	EACH
60 C 8508	31-2111	Red	.84
60 C 8509	31-2113	Amber	.84
60 C 8511	31-2115	White	.84

### SNAP-IN NEON INDICATOR LIGHTS

Series 47. One-piece, high-heat plastic units snap easily and securely into 1 3/16x 3/8" panel opening with no additional hardware required. Suitable for up to 1/4" thick panels. Have long-life, high-brightness neon lamps with built-in current-limiting resistors. Tinned solder lug terminals. Type 47-3 rated 1/2-watt, 210-250 volts. \*U.L. Recog. Shpg. wt., 5 oz. 60 C 6623, Type 47-3. Red. . . . Each 1.00 60 C 6624, Type 47-H-3. Red. . . . Each 1.00



### SNAPLITE NEON PILOT LIGHTS

Snap into 1/2"-diameter holes in panels of any thickness without additional hardware. White nylon housing contains long-life neon lamp and built-in resistor for proper circuit voltage. 1/2 watt. Series 32 is for 110-125 volts; Series 35 is for 210-250 volts. Plastic lens caps for 110-200°C. Series 32 has up to 15,000-hour life; Series 35, up to 25,000 hours. \*U.L. Recog., 5 oz.



### CYLINDRICAL-CAP TYPES

Stock No.	Mfr's Type	Color	EACH
60 C 7921	32-2111	Red	.78
60 C 7922	32-2113	Amber	.78
60 C 7923	32-2117	Clear	.78
60 C 8124	32-2115	White	.78
60 C 7925	35-2111	Red	.78
60 C 7926	35-2113	Amber	.78

### DOME-CAP TYPES

Stock No.	Mfr's Type	Color	EACH
60 C 7758	32-2211T	Red	.78
60 C 7783	32-2213T	Amber	.78
60 C 7882	32-2215T	Clear	.78
60 C 7911	32-2217T	White	.78

### FLUSH-CAP TYPES

Stock No.	Mfr's Type	Color	EACH
60 C 7982	32-2311	Red	.78
60 C 7983	32-2313	Amber	.78
60 C 7984	32-2315	White	.78
60 C 7985	32-2317	Clear	.78
60 C 7986	32-2311T	Red	.78
60 C 8749	32-2313T	Amber	.78

### "TINEON" INDICATORS



Extremely long-life, high-brightness neon indicator lights press-fit quickly and firmly into 3/16"-diameter holes. Have durable nylon housing and plastic lens. Lamp housing is 1 1/2" long. Complete with speed nut for maximum security, lamp and built-in resistor to suit the applied circuit voltage and ensure maximum lamp life. Rated 110-125 volts. Have #18 gauge insulated wire leads, 6" long. \*U.L. Recognized, C.S.A. Listed. Shpg. wt., 5 oz.

### STANDARD BEZEL TYPES

Stock No.	Mfr's Type	Color	EACH
60 C 8698	36N-2311	Red	.73
60 C 8699	36N-2313	Amber	.73
60 C 8700	36N-2315	White	.73
60 C 8701	36N-2317	Clear	.73

### ALUMINUM-BEZEL HI-HAT-LENS TYPES

Stock No.	Mfr's Type	Color	EACH
60 C 7000	36EN2111	Red	.89
60 C 7048	36EN2113	Amber	.89
60 C 7052	36EN2115	White	.89
60 C 7053	36EN2117	Clear	.89

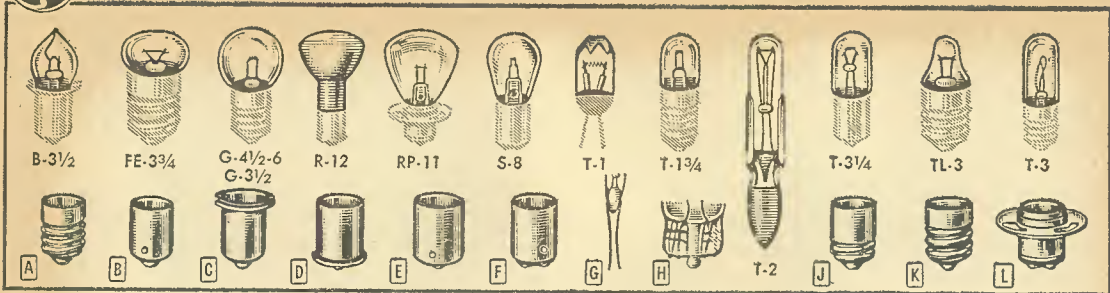
### ALUMINUM-BEZEL FLUSH-LENS TYPES

Stock No.	Mfr's Type	Color	EACH
60 C 7066	36EN2311	Red	.89
60 C 7068	36EN2313	Amber	.89
60 C 7069	36EN2315	White	.89
60 C 7498	36EN2317	Clear	.89





# General Electric Miniature, Subminiature Lamps



## ABBREVIATIONS USED TO DESCRIBE BASE AND BULB STYLES

BASES: O.C. Bay., double-contact bayonet. O.C. Pref., double-contact, prefocused. Mid. Screw, midjet screw. Min. Bay., miniature bayonet. S.C. Bay., single-contact bayonet. S.C., F., single-contact, flanged.

S.C. Mid., F., single-contact midjet, flanged. Tel. Slide, telephone slide. BULBS: B, lemon, G, globe, FE, flat end, R, reflector, S, straight end, T, tubular. TL, lens end, tubular.

### GENERAL-PURPOSE MINIATURE LAMPS

Numbers in Bulb Style indicate bulb diameter in eighths of an inch. Example: S-8 is 8/8ths, or 1" in diameter. \*Switchboard slide-type base. †Similar to bulb TL-3; ‡Similar to bulb G-4 1/2. Wt., 2 oz.

Stock No.	Mfr's Type	Volts	A	Base		Bulb Style	EA.	PKG. OF 10
				Fig.	Style			
60 C 7300	PR-2	2.4	.50	C	S.C., F.	B-3 1/2	.20	1,23
60 C 7301	PR-3	3.6	.50	C	S.C., F.	B-3 1/2	.20	1,23
60 C 7302	PR-4	2.3	.27	C	S.C., F.	B-3 1/2	.20	1,23
60 C 7303	PR-6	2.47	.30	C	S.C., F.	B-3 1/2	.20	1,23
60 C 7305	PR-12	5.95	.50	C	S.C., F.	B-3 1/2	.20	1,23
60 C 7306	PR-13	4.75	.50	C	S.C., F.	B-3 1/2	.20	1,23
60 C 7307	6	6.4	3.0	D	F.C. Bay.	S-8	.36	2,11
60 C 7307	12	6.3	1.5	....	Min. 2-pin	G-3 1/2	.25	1,51
60 C 7308	13	3.7	.30	A	Screw	G-3 1/2	.17	1,05
60 C 7309	14	2.5	.30	A	Screw	G-3 1/2	.17	1,05
60 C 7310	24E	24	.035	*	Tel. Slide*	T-2	.69	6,20
60 C 7310	24X	24	.035	*	Tel. Slide*	T-2	.69	6,20
60 C 7312	39	6.3	.36	E	S.C. Bay.	T-3 1/4	.36	2,01
60 C 7313	40	6.3	1.5	A	Screw	T-3 1/4	.15	.86
60 C 7314	41	2.5	.50	A	Screw	T-3 1/4	.22	1,35
60 C 7315	43	2.5	.50	E	S.C. Bay.	T-3 1/4	.22	1,35
60 C 7366	44	6-8	.25	E	S.C. Bay.	T-3 1/4	.15	.86
60 C 7316	45	3.2	.35	E	S.C. Bay.	T-3 1/4	.18	1,13
60 C 7317	46	6.3	.25	A	Screw	T-3 1/4	.15	.86
60 C 7318	47	6.3	1.5	E	S.C. Bay.	T-3 1/4	.15	.86
60 C 7319	48	2.0	.06	A	Screw	T-3 1/4	.22	1,35
60 C 7320	48C	48	.035	*	Tel. Slide*	T-2	.72	6,40
60 C 7321	49	2.0	.06	E	S.C. Bay.	T-3 1/4	.18	1,13
60 C 7322	50	6-8	1 c.p.	A	Screw	G-3 1/2	.16	.92
60 C 7323	51	6-8	1 c.p.	E	S.C. Bay.	G-3 1/2	.14	.84
60 C 7370	52	14.4	1.0	A	Screw	G-3 1/2	.28	1,68
60 C 7324	53	14.4	12	E	S.C. Bay.	G-3 1/2	.14	.84
60 C 7325	55	6-8	2 c.p.	E	S.C. Bay.	G-4 1/2	.14	.84
60 C 7326	57	14	2 c.p.	E	S.C. Bay.	G-4 1/2	.14	.84
60 C 7328	67	13.5	4 c.p.	E	S.C. Bay.	G-6	.18	1,07
60 C 7329	67K	13.5	4 c.p.	K	Candelabra	G-6	.46	2,66
60 C 7330	81	6-8	6 c.p.	E	S.C. Bay.	G-6	.22	1,33
60 C 7331	82	6-8	6 c.p.	F	D.C. Bay.	G-6	.22	1,33
60 C 9707	93	12.8	1.04	E	S.C. Bay.	S-8	.32	1,90
60 C 7332	112	1.2	.22	A	Screw	TL-3	.17	1,05
60 C 6737	137	6.3	.25	E	S.C. Bay.	G-3 1/2	.18	1,13
60 C 6738	157	5.8	1.10	A	Screw	G-6	1,06	6,32
60 C 7334	158	12	.24	H	Wedge	T-3 1/4	.21	1,21
60 C 7335	159	6.3	1.5	H	Wedge	T-3 1/4	.22	1,34
60 C 7336	222	2.2	.25	A	Screw	TL-3	.17	1,05
60 C 7337	223	2.2	.25	A	Screw	FE-3/4	.20	1,23
60 C 7338	224	2.15	.22	J	Special	†TL-2 1/4	.20	1,23
60 C 7339	233	2.3	.27	A	Screw	G-3 1/2	.20	1,23
60 C 6739	240	6.3	.36	E	S.C. Bay.	G-3 1/4	.22	1,34
60 C 7340	248	2.5	.80	A	Screw	‡G-5 1/2	.28	1,68
60 C 7373	259	6.3	.25	H	Wedge	T-3 1/4	.20	1,23
60 C 7341	313	28	1.7	E	S.C. Bay.	T-3 1/4	.30	1,80
60 C 6741	324	3	.19	G	Wire	T-1 1/4	.62	3,66
60 C 7342	327	28	.04	D	S.C. Mid.F.	T-1 1/4	.70	4,15
60 C 7343	328	6	.20	D	S.C. Mid.F.	T-1 1/4	.54	3,25
60 C 7374	330	14	.08	D	S.C. Mid.F.	T-1 1/4	.78	4,61
60 C 7145	331	1.35	.06	D	S.C. Mid.F.	T-1 1/4	.89	5,32
60 C 7146	334	28	.04	....	Mid.Groove	T-1 1/4	.77	4,03
60 C 6742	337	6	.20	....	Mid.Groove	T-1 1/4	1.65	9,65
60 C 7375	344	10	.014	D	S.C. Mid.F.	T-1 1/4	1.54	8,95
60 C 7376	345	6	.04	D	S.C. Mid.F.	T-1 1/4	1.54	9,00
60 C 6743	346	18	.04	....	Mid.Groove	T-1 1/4	1.34	7,99
60 C 7377	363	14	.20	E	S.C. Bay.	G-3 1/2	.22	1,34
60 C 8900	367X	10	.04	D	S.C. Mid.F.	T-1 1/4	1.65	9,65
60 C 8901	368	2.5	.20	D	S.C. Mid.F.	T-1 1/4	.77	4,61

### GENERAL-PURPOSE MINIATURE LAMPS (Cont'd)

Stock No.	Mfr's Type	Volts	A	Base		Bulb Style	EA.	PKG. OF 10
				Fig.	Style			
60 C 6744	370	18	.04	D	S.C. Mid.F.	T-1 1/4	1.34	7,99
60 C 6745	386	14	.08	...	Mid.Groove	T-1 1/4	1.34	7,99
60 C 7378	405	6.5	.50	A	Screw	G-4 1/2	.29	1,77
60 C 7379	406	2.6	.30	A	Screw	G-4 1/2	.23	1,41
60 C 7380	407	4.9	.30	A	Screw	G-4 1/2	.21	1,29
60 C 7344	425	5	.50	A	Screw	G-4 1/2	.20	1,23
60 C 7346	432	18.0	.25	A	Screw	G-4 1/2	.22	1,34
60 C 7347	433	18	.25	E	S.C. Bay.	G-4 1/2	.28	1,68
60 C 7383	509K	24	.18	K	Candelabra	G-6	.28	1,68
60 C 6600	1133	6	3.91	E	S.C. Bay.	RP-11	.41	2,42
60 C 7384	1383	12	20w	E	S.C. Bay.	R-12	2.79	16,70
60 C 7349	1445	18	.15	E	S.C. Bay.	G-3 1/2	.20	1,20
60 C 7350	1446	12	.20	A	Screw	G-3 1/2	.26	1,54
60 C 7351	1447	18.0	.15	A	Screw	G-3 1/2	.20	1,23
60 C 7353	1458	20	.25	E	S.C. Bay.	G-5	.28	1,68
60 C 7385	1474	14	.17	A	Screw	T-3	.36	2,15
60 C 7354	1477	24	.17	A	Screw	T-3	.55	3,32
60 C 7355	1487	12-16	.20	A	Screw	T-3 1/4	.26	1,54
60 C 7356	1488	14	.15	E	S.C. Bay.	T-3 1/4	.28	1,68
60 C 7357	1493	6.5	2.75	F	D.C. Bay.	S-8	1.08	6,45
60 C 7386	1630	6.5	2.75	L	D.C. Pref.	S-8	1.44	8,60
60 C 7359	1768	6	.20	A	Mid.Screw	T-1 1/4	.92	5,53
60 C 7388	1769	2.5	.20	A	Mid.Screw	T-1 1/4	.89	5,32
60 C 7360	1813	14.4	.10	E	S.C. Bay.	T-3 1/4	.26	1,54
60 C 7361	1815	12-16	.20	E	S.C. Bay.	T-3 1/4	.20	1,23
60 C 7389	1816	13	.33	E	S.C. Bay.	T-3 1/4	.24	1,46
60 C 7362	1819	28	.04	E	S.C. Bay.	T-3 1/4	.35	2,10
60 C 7363	1820	28	.10	E	S.C. Bay.	T-3 1/4	.31	1,86
60 C 7390	1822	36	.10	E	S.C. Bay.	T-3 1/4	.62	3,69
60 C 7391	1828	37.5	.05	E	S.C. Bay.	T-3 1/4	.67	4,00
60 C 7364	1829	28	.07	E	S.C. Bay.	T-3 1/4	.36	2,15
60 C 7392	1835	5.5	.15	E	S.C. Bay.	T-3 1/4	.67	4,00
60 C 7365	1847	6.3	.05	E	S.C. Bay.	T-3 1/4	.18	1,13
60 C 7396	1869	10	.014	G	Wire	T-1 1/4	1.17	6,99

### 100,000-HOUR SUBMINIATURE LAMPS

Last about 12 years! Use where space is critical, service difficult. Solder-dipped leads on wire types. 1/4x1/8" dia. \*±20%. 1 oz.

Stock No.	Mfr's Type	Volts	A	Base		Bulb Style	EACH	PKG. OF 10
				Fig.	Style			
60 C 7393	680	5	.060	G	Wire	TI	3.10	18,60
60 C 7394	682	5	.060	D	Sub.Mid.F.	TI	3.88	23,17
60 C 7395	683	5	.060	G	Wire	TI	3.10	18,60
60 C 7396	685	5	.060	D	Sub.Mid.F.	TI	3.88	23,20
60 C 7397	715	5	.115	G	Wire	TI	3.10	18,60
60 C 7399	2128	3	*.0125	G	Wire	TI	5.04	30,00

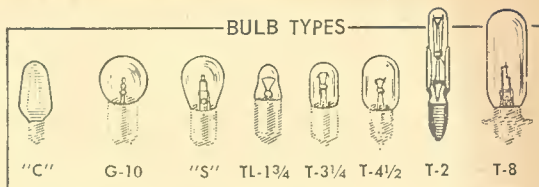
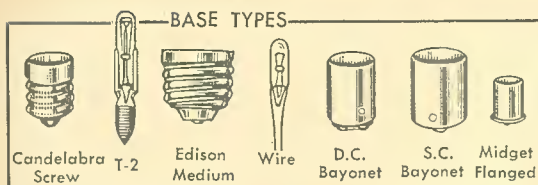
### 50,000-HOUR MINIATURE LAMPS

Design life is over 5 years—average life is 50,000 hours. Actual life is determined by environmental conditions: vibration, shock, temperature, voltage fluctuations. Numbers in Bulb Style indicate bulb diameter in eighths of an inch. Av. shgp. wt., 1 oz.

Stock No.	Mfr's Type	Volts	A	Base		Bulb Style	EA.	PKG. OF 10
				Fig.	Style			
60 C 7400	380	6.3	.04	D	S.C. Mid.F.	T-1 1/4	1.85	11,30
60 C 7401	381	6.3	.20	D	S.C. Mid.F.	T-1 1/4	1.17	6,99
60 C 7402	382	14	.08	D	S.C. Mid.F.	T-1 1/4	1.34	7,99
60 C 7403	755	6.3	.15	B	Min. Bay.	T-3 1/4	.28	1,68
60 C 7404	756	14	.08	B	Min. Bay.	T-3 1/4	.36	2,01
60 C 7405	757	28	.08	B	Min. Bay.	T-3 1/4	.46	2,66
60 C 7406	2180	6.3	.04	G	Wire	T-1 1/4	1.01	5,99
60 C 7407	2181	6.3	.20	G	Wire	T-1 1/4	.55	3,32
60 C 7408	2182	14	.08	G	Wire	T-1 1/4	.67	4,00

# Lamps, Sockets, Circuit Breakers

## GENERAL ELECTRIC MINIATURE INDICATOR, CONTROL, APPLIANCE LAMPS



### MINIATURE NEON-GLOW INDICATOR LAMPS

Withstand vibration, shock. For 150-600 V except †210-600 V. ‡DC only. Screw types have series resistor in base for 105-125 V, others require external resistor. In table, Sk. means skirted; D.C., double contact; S.C., single contact; Mid. Flange, midget flanged; Bay., bayonet; Cand., candelabra; others self-explanatory. \*AC starting V; DC starting V 40% more. †High brightness. Av. wt., 2 oz. ea.

Stock No.	Mfr's Type	Watts	*AC V	Bulb Style	Base	EACH
60 C 8516	A1B	1/25	65	T-2	Wire Term.	.13
60 C 8517	A1C	1/10	95	T-2	Wire Term.	.13
60 C 8518	NE-2	1/17	65	T-2	Wire Term.	.10
60 C 8519	NE-2D	1/15	65	T-2	S.C. Mid. Flange	.78
60 C 8520	NE-2E	1/15	65	T-2	Wire Term.	.10
60 C 8521	†NE-2H	1/4	...	T-2	Wire Term.	.11
60 C 8522	NE-2J	1/4	105	T-2	S.C. Mid. Flange	.78
60 C 8523	NE-7	1/4	55	T-4 1/2	Wire Term.	.69
60 C 8524	NE-16	1/4	§67	T-4 1/2	D.C. Bay. Cand.	.63
60 C 8525	NE-17	1/4	55	T-4 1/2	D.C. Bay. Cand.	.86
60 C 8526	NE-21	1/4	55	T-4 1/2	S.C. Bay. Cand.	.90
60 C 8527	NE-30	1	65	S-11	Edison	1.14
60 C 8528	NE-32	1	65	G-10	D.C. Bay. Cand.	1.14
60 C 8529	NE-34	2	65	S-14	Edison	1.76
60 C 8530	NE-40	3	60	S-14	Edison	2.56
60 C 8531	NE-42	3	60	S-14	Sk. D.C. Bay. Cand.	2.52
60 C 8532	NE-45	1/4	65	T-4 1/2	Cand. Screw	.81
60 C 8533	NE-48	1/4	65	T-4 1/2	D.C. Bay. Cand.	.67
60 C 8534	NE-51	1/25	65	T-3 1/4	S.C. Bay. Min.	.20
60 C 8535	†NE-51H	1/7	...	T-3 1/4	S.C. Bay. Min.	.22
60 C 8536	†NE-56	1	60	S-11	Edison	1.19
60 C 8537	NE-57	1/4	65	T-4 1/2	Cand. Screw	.94
60 C 8538	†NE-58	1/2	65	T-4 1/2	Cand. Screw	.90
60 C 8929	NE-66	1 1/4	65	T-4 1/2	Cand. Screw	1.25
60 C 8930	NE-84	1/4	95	T-2	Special Tel. Slide	.64

### MINIATURE NEON-GLOW CIRCUIT CONTROL LAMPS

Regulate miniature T-2 bulbs with wire-terminal bases. A mild radioactive additive reduces breakdown voltage in darkness. Tinned 1" leads permit easy soldering. Av. shpg. wt., 2 oz. ea.

Stock No.	Mfr's Type	DC Start Volts	Design DC mA	EACH
60 C 7950	NE-23	60-90	.3	.16
60 C 7951	NE-76	68-76	.4	.50
60 C 7953	NE-83	60-100	10.0	.20
60 C 7954	NE-86	55-90	1.5	.16
60 C 7955	NE-96	120-150	.5	.20
60 C 7956	NE-97	110-140	.5	.20

### ARGON GLOW LAMPS

Long-life lamps emit pale blue-violet light, near-ultraviolet radiation. Clear glass. Type AR-3 has average life of 1000 hours. AR-1 average life of 3000 hours. For 110-120 V. Av. wt., 2 oz. ea.

Stock No.	Mfr's Type	Watts	Bulb	Base	EACH
60 C 8541	AR-3	1/4	T-4 1/2	Candelabra Screw	.85
60 C 8542	AR-1	2	S-14	Edison Medium	1.90

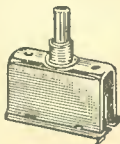
### SIGN AND APPLIANCE LAMPS

Rated 1500 hours, average use. Clear glass envelopes, except \*white glass. †Night light. All are miniature, except †large. For 120 volts. Av. shpg. wt., 2 oz. each.

Stock No.	Watts	Bulb	Base	PKG. OF 2
60 C 8543	6	S-6	Candelabra	.42
60 C 8547	7	†C-7	Candelabra	.42
60 C 8548	7	†C-7	Candelabra	.49
60 C 6601	7 1/2	†S-11	Medium	.68
60 C 8549	10	C-7	D.C. Bayonet Cand.	.56
60 C 6602	15	T-7	D.C. Bayonet Cand.	.98
60 C 6603	25	T-8	D.C. Bayonet Cand.	.98

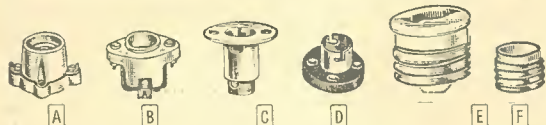
### MALLORY CIRCUIT BREAKERS

Stack-type circuit breakers available in ratings from 0.5 to 7.0 amperes to cover a wide variety of applications. Precision engineered, have "anti-cheat" reset action; non-cycling, constant pressure. Temperature compensated. Tripping time is within 10 seconds. Bushing mount. \*Heavy-duty contacts. Shpg. wt., 3 oz.



Stock No.	Type CBB-	A	Stock No.	Type CBB-	A	EACH		
						1-24	25-49	50-99
57 C 3574	050	0.5	57 C 3579	200	2.0	.95	.84	.73
57 C 3575	075	0.75	57 C 3580	225	2.25	.95	.84	.73
57 C 3576	100	1.0	57 C 3581	250	2.5	.95	.84	.73
57 C 3577	150	1.5	57 C 3582	275	2.75	.95	.84	.73
57 C 3578	175	1.75	57 C 3583	300	3.0	.95	.84	.73
57 C 3584	325*	3.25	57 C 3588	450*	4.5	1.02	.91	.79
57 C 3585	350*	3.5	57 C 3589	500*	5.0	1.02	.91	.79
57 C 3586	375*	3.75	57 C 3590	600*	6.0	1.02	.91	.79
57 C 3587	400*	4.0	57 C 3591	700*	7.0	1.02	.91	.79

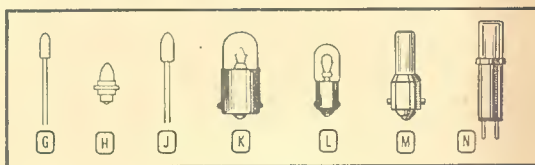
### SOCKETS, REDUCERS FOR NEON, ARGON, PILOT LAMPS



Reducer fits into socket to convert to more commonly used types of bulb bases. \*Indicates socket with built-in hard rubber insert in metal shell. Av. shpg. wt., 3 oz.

Stock No.	Fig.	Description	EACH
60 C 7661	A	Edison socket	.24
60 C 7662	A	Miniature screw socket	.15
60 C 7663	B	Candelabra screw socket	.51
60 C 7664	A	Candelabra screw socket	.16
60 C 7665	C*	D.C. bay, candelabra socket	.40
60 C 7666	D	D.C. bay, candelabra socket	.94
60 C 7667	D	S.C. bay, candelabra socket	.90
60 C 7668	E	Edison-to Cand. reducer	.22
60 C 7669	F	Candelabra-to-Min. reducer	.18
60 C 7670	F	Intermediate-to-Cand. reducer	.10

### CHICAGO-MINIATURE LONG LIFE LAMPS



Precision-made to withstand the effects of vibration, shock, and acceleration. Excellent for new design application, replacement, or modernizing existing equipment. Abbreviations used to describe lamp base and bulb are as follows: M, Bay., miniature bayonet; M, F., midget flanged; S, F., submidget flanged; W, T., wire terminal. Volts, amps in table below. Av. shpg. wt., 6 oz.

Stock No.	Mfr's Type	Fig.	Volts	Amps	Base	Bulb Style	EACH	BOX OF 10	
								1-9	10-99
60 C 9406	CM-327LSV	K	28.0	.06	M, F.	T-1 1/4	1.40	8.50	7.84
60 C 9411	CM8-713	J	5.0	.075	W, T.	T-1	3.20	19.60	16.00
60 C 9412	CM8-714	H	5.0	.075	S, F.	T-1	4.00	24.40	19.90
60 C 9415	CM8-725	G	5.0	.115	W, T.	T-1	1.85	12.00	10.50
60 C 9417	CM8-801	L	5.0	.06	M, Bay.	T-3 1/4	3.44	21.50	19.05
60 C 9418	CM8-802	L	5.0	.06	M, Bay.	T-3 1/4	3.44	21.50	19.05
60 C 9419	CM8-803	L	5.0	.104	M, Bay.	T-3 1/4	3.44	21.50	19.05
60 C 9421	CM-1866	L	6.3	.25	M, Bay.	T-3 1/4	.22	1.34	1.18

### SMALLEST 5000-HOUR 120-VOLT LAMP

Highly-reliable 120-volt lamps featuring small size and very long life (up to 5000 hours). Available with either bayonet or cartridge base (see "base" column in table below). Bulb is flat-top type for both lamps. Precision-made and developed for critical aerospace and military specification requirements. Both types are for 120 volts, .025 ampere. Av. shpg. wt., 3 oz.

Stock No.	Mfr's Type	Fig.	Base	EACH	BOX OF 10	
					1-9	10-99
60 C 9427	CM8-967	M	Bayonet	.95	5.94	5.27
60 C 9428	CML-00026	N	Cartridge	1.35	10.60	9.70

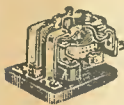


# Potter & Brumfield Relays and Accessories

On these pages, you'll find the most popular contact arrangements, ratings, terminations, enclosures, and coil voltages listed.

Contact us for prices and other product information on any types not listed—you'll receive a prompt reply.

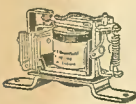
## PR HEAVY-DUTY POWER RELAYS



SPST are normally open. Heavy screw terminals. All are U.L. Recog. and AC types also all C.S.A. Listed; except PR11AL5, neither. All have 25-amp silver contacts except PR11AL5 with 20-amp contacts. \*Equipped with auxiliary SPDT 5-amp contacts. Size: PR2, 2 1/2x2 1/2x2 1/2"; PR7, 2 1/2x2 1/2x2 1/2"; PR11, 2 1/2x3 1/2x2 1/2". Dust covers, below right. Av. shpg. wt., 12 oz.

Stock No.	Type	Volts	Action	EACH
41 C 5846	PR3AY	6 AC	SPST	4.55
41 C 6751	PR3AY	12 AC	SPST	4.55
41 C 5847	PR3AY	24 AC	SPST	4.55
41 C 5600	PR3AY	120 AC	SPST	4.25
41 C 5652	PR3AY	240 AC	SPST	5.00
41 C 6509	PR3DY	12 DC	SPST	4.55
41 C 6101	PR3DY	24 DC	SPST	4.55
41 C 5968	PR3DY	110 DC	SPST	5.25
41 C 5847	PR5AY	6 AC	SPDT	4.80
41 C 5878	PR5AY	12 AC	SPDT	4.80
41 C 5962	PR5AY	24 AC	SPDT	4.80
41 C 5602	PR5AY	120 AC	SPDT	4.80
41 C 5966	PR5AY	240 AC	SPDT	5.25
41 C 6750	PR5DY	6 DC	SPDT	4.80
41 C 6510	PR5DY	12 DC	SPDT	4.80
41 C 5974	PR5DY	24 DC	SPDT	4.80
41 C 5969	PR5DY	110 DC	SPDT	5.45
41 C 5848	PR7AY	6 AC	DPST	5.40
41 C 5879	PR7AY	12 AC	DPST	5.40
41 C 5963	PR7AY	24 AC	DPST	5.40
41 C 5603	PR7AY	120 AC	DPST	5.40
41 C 5654	PR7AY	240 AC	DPST	5.90
41 C 6102	PR7DY	6 DC	DPST	5.40
41 C 6511	PR7DY	12 DC	DPST	5.40
41 C 6513	PR7DY	24 DC	DPST	5.40
41 C 5975	PR7DY	110 DC	DPST	6.10
41 C 5849	PR11AY	6 AC	DPDT	7.10
41 C 5752	PR11AY	12 AC	DPDT	7.10
41 C 5964	PR11AY	24 AC	DPDT	7.10
41 C 5663	PR11AY	120 AC	DPDT	7.10
41 C 5655	PR11AY	240 AC	DPDT	7.65
41 C 6103	PR11AL5	6 AC	*DPDT	9.00
41 C 6109	PR11AL5	12 AC	*DPDT	9.00
41 C 6753	PR11AL5	24 AC	*DPDT	9.00
41 C 6755	PR11AL5	120 AC	*DPDT	9.00
41 C 6756	PR11AL5	240 AC	*DPDT	9.45
41 C 6508	PR11DY	6 DC	DPDT	7.10
41 C 6514	PR11DY	12 DC	DPDT	7.10
41 C 6514	PR11DY	24 DC	DPDT	7.10
41 C 5971	PR11DY	110 DC	DPDT	7.75

## MR MEDIUM-DUTY POWER RELAYS



For general applications. Silver contacts rated 8 amps except MR3 types rated 10 amps. AC coils for 60 Hz. ST actions normally open. Size: MR3 and MR5, 1 1/2x1 1/2x2 1/2"; MR11, 2x2 1/2x2 1/2"; MR14, 2x2 1/2x2 1/2"; MR14, 2x2 1/2x2 1/2". Av. shpg. wt., 5 oz.

Stock No.	Type	Volts	Action	EACH
41 C 5975	MR3A	6 AC	SPST	4.30
41 C 5978	MR3A	24 AC	SPST	4.30
41 C 5665	MR3A	120 AC	SPST	4.30
41 C 5983	MR3D	6 DC	SPST	3.90
41 C 5187	MR3D	12 DC	SPST	3.90
41 C 5988	MR3D	24 DC	SPST	3.90
41 C 5610	MR5A	6 AC	SPDT	3.85
41 C 5757	MR5A	12 AC	SPDT	3.85
41 C 5979	MR5A	24 AC	SPDT	3.85
41 C 5614	MR5A	120 AC	SPDT	3.85
41 C 5657	MR5A	240 AC	SPDT	4.30
41 C 5618	MR5D	6 DC	SPDT	3.55
41 C 5188	MR5D	12 DC	SPDT	3.55
41 C 5989	MR5D	24 DC	SPDT	3.55
41 C 6760	MR5D	110 DC	SPDT	4.10
41 C 5612	MR11A	6 AC	DPDT	5.40
41 C 5758	MR11A	12 AC	DPDT	5.40
41 C 5972	MR11A	24 AC	DPDT	5.40
41 C 5616	MR11A	120 AC	DPDT	5.40
41 C 5659	MR11A	240 AC	DPDT	5.85
41 C 5985	MR11D	6 DC	DPDT	5.15
41 C 5190	MR11D	12 DC	DPDT	5.15
41 C 5991	MR11D	24 DC	DPDT	5.15
41 C 6761	MR11D	110 DC	DPDT	5.65
41 C 5976	MR14A	6 AC	3PDT	6.45
41 C 6759	MR14A	12 AC	3PDT	6.45
41 C 5982	MR14A	24 AC	3PDT	6.45
41 C 6772	MR14A	120 AC	3PDT	6.45
41 C 5974	MR14A	240 AC	3PDT	6.85
41 C 5986	MR14D	6 DC	3PDT	6.10
41 C 5191	MR14D	12 DC	3PDT	6.10
41 C 5992	MR14D	24 DC	3PDT	6.10
41 C 6762	MR14D	110 DC	3PDT	6.60

## KRP ENCLOSED RELAYS



Completely enclosed compact relays in hi-impact, transparent, plastic cases. Fully dustproof and weatherproof for long, trouble-free operation. Types KRP5 and KRP11 plug into standard octal sockets; Type KRP14 plugs into 11-pin socket. Gold-flashed silver contacts rated 5 amps at 120 VAC, 60 Hz resistive. 1 1/2x1 1/2x2 1/2". Av. shpg. wt., 5 oz.

Stock No.	Type	Volts	Action	EACH
41 C 5214	KRP5A	6 AC	SPDT	6.00
41 C 5215	KRP5A	24 AC	SPDT	6.00
41 C 5213	KRP5A	120 AC	SPDT	6.00
41 C 5217	KRP5D	6 DC	SPDT	5.95
41 C 5244	KRP5D	12 DC	SPDT	5.95
41 C 5245	KRP5D	24 DC	SPDT	5.95
41 C 5240	KRP5D	110 DC	SPDT	6.60
41 C 5920	KRP11A	6 AC	DPDT	6.65
41 C 5254	KRP11A	12 AC	DPDT	6.65
41 C 5216	KRP11A	24 AC	DPDT	6.65
41 C 5921	KRP11A	120 AC	DPDT	6.65
41 C 6597	KRP11A	240 AC	DPDT	7.10
41 C 5922	KRP11D	6 DC	DPDT	6.60
41 C 5246	KRP11D	12 DC	DPDT	6.60
41 C 5247	KRP11D	24 DC	DPDT	6.60
41 C 6352	KRP11D	110 DC	DPDT	7.30
41 C 5091	KRP14A	6 AC	3PDT	8.30
41 C 6525	KRP14A	12 AC	3PDT	8.30
41 C 5092	KRP14A	24 AC	3PDT	8.30
41 C 5093	KRP14A	120 AC	3PDT	8.30
41 C 5557	KRP14A	240 AC	3PDT	8.70
41 C 5094	KRP14D	6 DC	3PDT	8.20
41 C 5095	KRP14D	12 DC	3PDT	8.20
41 C 5096	KRP14D	24 DC	3PDT	8.20
41 C 6998	KRP14D	110 DC	3PDT	8.85

## KCP ENCLOSED RELAYS

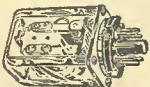


Plate circuit relays. In high-impact, weatherproof plastic cases. Fit standard octal or 11-pin socket (at right, below). 2 amp resistive, silver contacts. 1 1/2x2 1/2x2 1/2". Av. shpg. wt., 4 oz.

Stock No.	Type	Ohms	mA	Action	EACH
41 C 5287	KCP5	2500	7.2	SPDT	6.50
41 C 5288	KCP5	5000	5.0	SPDT	6.60
41 C 5289	KCP5	10,000	3.6	SPDT	7.05
41 C 5290	KCP11	2500	10.0	DPDT	6.95
41 C 5291	KCP11	5000	7.2	DPDT	7.05
41 C 5292	KCP11	10,000	5.0	DPDT	7.50
41 C 5097	KCP14	2500	12.3	3PDT	8.55
41 C 5098	KCP14	5000	8.7	3PDT	8.65
41 C 5099	KCP14	10,000	6.1	3PDT	9.10

## KT ANTENNA-SWITCHING RELAYS



For selecting either of two antennas or for switching single antenna from receiver to transmitter and vice-versa. Designed for RF applications; glass base insulation for minimum loss. Will switch 300-ohm line. All are DPDT. Mtg.: 6-32 stud. Silver 5-amp contacts. Size: 1 1/2x1 1/2x1 1/2". Shpg. wt., 2 oz.

Stock No.	Type	Volts	EACH
41 C 6373	KT11A	6 AC	4.10
41 C 6374	KT11A	120 AC	4.10
41 C 6375	KT11D	6 DC	4.10
41 C 6376	KT11D	12 DC	4.10

## KR3 POWER RELAYS



Open double-break relay with copper alloy contact arms and silver-cadmium-oxide contacts rated at 20 amps, 120 VAC, 60 Hz resistive, or 28 VDC, 1 hp, 120/240V, 60 Hz, SPST. N.O.-DB (1 Form X) action. Stud mtg. 1.6x1.6x1.52". Same coil rating as KA type, above right. \*Enclosed type, similar to KRP illus. above. Av. shpg. wt., 8 oz.

Stock No.	Type	Volts	EACH
41 C 5132	KR3AH	24 AC	4.30
41 C 5133	KR3AH	120 AC	4.30
41 C 5134	KR3DH	6 DC	4.10
41 C 5135	KR3DH	12 DC	4.10
41 C 5136	KR3DH	24 DC	4.10
41 C 5137	KR3DH	110 DC	4.70
41 C 5138	KRP3AH*	24 AC	7.00
41 C 5139	KRP3AH*	120 AC	7.00
41 C 5137	KRP3DH*	12 DC	6.75
41 C 5176	KRP3DH*	24 DC	6.75

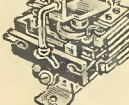
## KA GENERAL-PURPOSE RELAYS



Compact, general purpose relays for transmitters, power supply control, etc. Moisture resistant. Heavy-duty contacts rated at 5 amps AC coils for 60 Hz. All are U.L. Recog. 6-32 mounting stud. 1 1/2x1 1/2x2 1/2". Shpg. wt., 6 oz.

Stock No.	Type	Volts	Action	EACH
41 C 5158	KA5AY	6 AC	SPDT	3.50
41 C 6780	KA5AY	12 AC	SPDT	3.50
41 C 5161	KA5AY	24 AC	SPDT	3.50
41 C 5154	KA5AY	120 AC	SPDT	3.50
41 C 5153	KA5AY	240 AC	SPDT	4.00
41 C 5167	KA5DY	6 DC	SPDT	3.35
41 C 5170	KA5DY	12 DC	SPDT	3.35
41 C 5173	KA5DY	24 DC	SPDT	3.35
41 C 6782	KA5DY	110 DC	SPDT	4.05
41 C 5159	KA11AY	6 AC	DPDT	4.25
41 C 6781	KA11AY	12 AC	DPDT	4.25
41 C 5162	KA11AY	24 AC	DPDT	4.25
41 C 5165	KA11AY	120 AC	DPDT	4.25
41 C 6783	KA11AY	240 AC	DPDT	4.65
41 C 5168	KA11DY	6 DC	DPDT	3.75
41 C 5171	KA11DY	12 DC	DPDT	3.75
41 C 5174	KA11DY	24 DC	DPDT	3.75
41 C 6522	KA11DY	110 DC	DPDT	4.40
41 C 5160	KA14AY	6 AC	3PDT	4.65
41 C 6779	KA14AY	12 AC	3PDT	4.65
41 C 5163	KA14AY	24 AC	3PDT	4.65
41 C 5166	KA14AY	120 AC	3PDT	4.65
41 C 5152	KA14AY	240 AC	3PDT	5.15
41 C 5169	KA14DY	6 DC	3PDT	4.25
41 C 5172	KA14DY	12 DC	3PDT	4.25
41 C 5175	KA14DY	24 DC	3PDT	4.25
41 C 6523	KA14DY	110 DC	3PDT	4.90

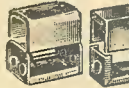
## PC IMPULSE RELAYS



Compact, pulse-operated relay. For on-off or reversing applications. Pulses may be as short as 60 millisecons at 5 Hz. Gold-flashed silver contacts, rated 7.5 amps at 120 volts AC, resistive load. Size: 2 1/2x2 1/2x2 1/2". Shpg. wt., 5 oz.

Stock No.	Type	Volts	Action	EACH
41 C 6504	PC11A	6 AC	DPDT	6.20
41 C 6728	PC11A	12 AC	DPDT	6.20
41 C 6502	PC11A	24 AC	DPDT	6.20
41 C 6500	PC11A	120 AC	DPDT	6.20
41 C 6726	PC11D	6 DC	DPDT	6.00
41 C 6111	PC11D	12 DC	DPDT	6.00
41 C 6506	PC11D	24 DC	DPDT	6.00
41 C 6503	PC17A	24 AC	4PDT	8.05
41 C 6501	PC17A	120 AC	4PDT	8.05
41 C 6507	PC17D	24 DC	4PDT	8.55

## RELAY CASES AND SOCKETS



**PR Relay Case.** Steel base with aluminum cover. 4-knockouts for 1/4" conduit. Mtg.: No. 10 holes on 1 1/2x2 1/2" centers. Size: 3 1/2x5 1/2x3 3/8". Shpg. wt., 1 lb.  
41 C 6777.....3.30

**MR Relay Case.** Steel base with a slip-on aluminum cover. 2-knockouts for 1/4" conduit. Mount on pre-drilled holes. Wt., 1 lb.  
41 C 6778.....2.10

**Amphenol 77MIP8 Socket.** For KRP and KCP relays. For all relays except KRP14 and KCP14. Octal type. Requires 1 1/2" hole. Mtg. centers, 1 1/2". Wt., 1 oz.  
47 C 0028.....21

**Amphenol 77MIP11 Socket.** For KRP14 and KCP14 types. Molded in plastic. Mounts in 1 1/2" hole; 1 1/2" mtg. ctrs. 11-pin, 1 oz.  
47 C 0033.....29

## TYPE "P" RELAY CASES



**Model 35D070.** Clear, cellulose acetate. For mtg. resistors, capacitors, etc. Octal-type plug. Same case as used with KRP and KCP relays. 4 mtg. screws. Use with 9-KR-15 hold-down spring (below) for special applications. 1 1/2x2 1/2x2 1/2". Shpg. wt., 1 oz.  
41 C 5558.....60

41 C 5559, Type D072 Same as above, but with 11-pin plug. Shpg. wt., 1 oz.....75

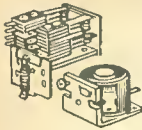
**Type 9-KR-15 Hold-Down Spring.** For horizontal, inverted, and vibration-secure mounting of KCP and KRP relays. Stainless steel; two 3/8" mtg. holes on 1 1/2" ctrs. 3 oz.  
41 C 5554.....Box of 50 for 5.50



# Knight and Potter & Brumfield Relays

## POTTER & BRUMFIELD RELAYS

### GP "PIC AND BUILD" SERIES



Units available can be combined to produce twenty different relays, each easily converted to an alternative sensitivity or switching arrangement in minutes. The 24 V DC coil is approximately 300 ohms. The 2500 ohm and 10,000 ohm coils may be used in plate circuit applications and can be adjusted to operate on 13 mA and 6.5 mA respectively. 1/8" diameter switch contacts are rated at 5 amps. Has tapped core to permit mounting with single 8-32 screw. Size, 1 1/2x1 1/2x2 1/2. Av. wgt., 4 oz.

Stock No.	Mfr's Type	Description	EA.
41 C 6333	GPA	6 V AC Coil	1.85
41 C 6539	GPA	12 V AC Coil	1.85
41 C 6334	GPA	24 V AC Coil	1.85
41 C 6335	GPA	120 V AC Coil	1.85
41 C 6337	GPD	6 V DC Coil	1.70
41 C 6338	GPD	12 V DC Coil	1.95
41 C 6339	GPD	24 V DC Coil	2.20
41 C 6341	GPD	2500 ohm Coil	2.30
41 C 6342	GPD	10,000 ohm Coil	3.45
41 C 6343	GP11	DPDT Switch	1.90
41 C 6344	GP17	4PDT Switch	3.25

### AP RATCHET IMPULSE RELAYS



Fast acting for uses requiring on-off or reversing action on alternate impulses. Operates on impulses as short as 60 ms. Intermittent duty. Contacts are 3/16" fine silver, rated 5 amps. Coils are wound on molded bobbins. Phenolic cans, hardened steel pawl and ratchet with pin hinged armature. Tinned solder terminals. Mounting: Three 5/32" diam. holes on 3 1/2x7/8" triangular centers. Size: 2 1/2x3 1/4x3/4". AC types for 50-60 Hz. 12 oz.

Stock No.	Type	Volts	Action	EACH
41 C 5997	AP11A	6 AC	DPDT	9.65
41 C 5981	AP11A	12 AC	DPDT	9.65
41 C 5993	AP11A	120 AC	DPDT	9.65
41 C 5983	AP11A	240 AC	DPDT	10.20
41 C 5985	AP11D	6 DC	DPDT	9.65
41 C 5999	AP11D	24 DC	DPDT	9.65
41 C 5989	AP11D	110 DC	DPDT	10.40
41 C 5994	AP17A	120 AC	4PDT	11.70
41 C 5988	AP17D	12 DC	4PDT	11.70
41 C 5978	AP17D	24 DC	4PDT	11.70

### R55D LIGHTWEIGHT RELAYS



Compact sensitive relays designed for radio-sonar, light-dimmer, and model applications. Sensitivity of 60 milliwatts. Life of over 10 million operations. Operate in 25 milliseconds and release in less than 5 milliseconds. SPDT contacts are bar contact, rated at 2 amps. Current actuated. Voltage actuated. Insulation resistance of 100 megohms minimum. Two 4-40 tapped holes on 5/8x3/4" diagonal centers. May be mounted in Type "P" craze-resistant transparent plastic case, or with KCP-KRP hold-down spring. Size: 1 1/2x1 1/2x1 1/2. Av. shpg. wt., 2 oz.

Stock No.	Coil Ohms	mA	EACH
41 C 5896	335	6 VDC*	2.90
41 C 5504	1350	12 VDC*	2.05
41 C 5897	2500	5.0	3.15
41 C 5898	5000	3.5	2.25
41 C 5899	10,000	2.5	4.00

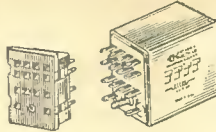
### KM SUBMINIATURE RELAYS



For multiple switching use in small business machines, alarm systems, communications. Withstand 30g shock. Weight 0.58 oz. 1/2" silver contacts rated 2 amps. Solder terminals. Mtg. by 26 tapped core, locating half-punch. Size 1 1/8x3/4x3/4". Shpg. wt., 1 oz.

Stock No.	Mfr's Type	Coil Volts	Action	EACH
41 C 6361	KMSD	6 DC	SPDT	3.80
41 C 6362	KMSD	12 DC	SPDT	3.80
41 C 6363	KMSD	24 DC	SPDT	3.80
41 C 6365	KM11D	6 DC	DPDT	4.15
41 C 6366	KM11D	12 DC	DPDT	4.15
41 C 6367	KM11D	24 DC	DPDT	4.15
41 C 6369	KM14D	6 DC	3PDT	4.80
41 C 6370	KM14D	12 DC	3PDT	4.80
41 C 6371	KM14D	24 DC	3PDT	4.80

## KHP MINIATURE 4PDT RELAYS



Compact, rugged 4PDT relays for data processing, computer control, etc. Come with nylon dust cover. Gold-flashed silver contacts rated 3 amps at 30 V DC or 115 V AC resistive, except types with suffix "12" have silver-cadmium-oxide contacts. Coil power: DC, 900 milliwatts; AC, 1.2 VA. Solder terminals with 3-48 mtg. stud, 3/8" long. Fit sockets (below) with either printed circuit or solder lug terminals. Contacts rated for 100,000 operations. Size: 1 1/2x1 1/2x3/4". Maximum. Shpg. wt., 2 oz.

Stock No.	Mfr's Type	Coil		EA.
		Volts	Ohms	
41 C 4252	KHP17A11	6 AC	10.5	5.55
41 C 4254	KHP17A11	12 AC	43	5.55
41 C 4255	KHP17A11	24 AC	160	5.55
41 C 4255	KHP17A11	120 AC	3900	6.05
41 C 7675	KHP17D11	6 DC	40	5.05
41 C 7676	KHP17D11	12 DC	160	5.05
41 C 7677	KHP17D11	24 DC	650	5.05
41 C 7678	KHP17D11	48 DC	2600	5.25
41 C 7680	KHP17D11	90 DC	9000	5.90
41 C 7679	KHP17D11	110 DC	11000	5.90
41 C 6045	KHP17D12	24 DC	650	2.50
41 C 6046	KHP17D12	110 DC	11000	6.05

### SOCKETS FOR KHP RELAYS

41 C 5940	9KH1	Solder Term.	.70
41 C 5990	9KH2	PC terminal	.70

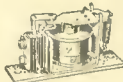


### BU AC-OPERATED BUZZERS

Spring-steel armature buzzes when coil is energized. 1/2x1 1/2x1 3/8". Mtg., 6-32 tapped core. 2 oz.

Stock No.	Coil Volts	Power VA	Coil Ohms	EACH
41 C 6005	6	4.6	2.75	1.95
41 C 6006	12	4.6	13.25	1.95
41 C 6007	24	4.6	50.00	1.95
41 C 6008	115	4.6	1250.00	1.95

### LB-5 PLATE-CIRCUIT RELAYS



Small, fast-acting circuit relays. For any circuit supplying only a few milliwatts of DC. Breakdown: 500 volts rms minimum. Silver contacts are rated 5 amps at 120 V AC, 60 Hz resistive. All units have SPDT action. Adjusted by bending tail-spring hook. Size, 2 1/2x1 1/2x1 1/8". For DC operation only. Shpg. wt., 5 oz.

Stock No.	Ohms	mA	EACH
41 C 5625	2500	9	2.85
41 C 5626	5000	6.3	3.05
41 C 5774	10,000	4.5	3.30

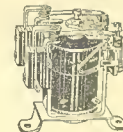
## KUP PLUG-IN 10 AMP RELAYS



Reliable 10 ampere relay for industrial control applications. Designed for continuous operation. Silver-cadmium oxide contacts for long life. Enclosed in clear, high impact plastic dust cover. Coil Power: 1.2 watts DC; 2 VA AC except KUP1A, 2.75 VA. Quick-connect .187" solder terminals. For use with type 9KUI molded nylon socket (below) with pierced solder terminals. Size: 1.531x1.406x1.906" max. Shpg. wt., 3 oz.

Stock No.	Mfr's Type	Coil Volts	Action	EA.
41 C 4972	KUP5A15	6 AC	SPDT	3.90
41 C 4973	KUP5A15	12 AC	SPDT	3.90
41 C 4974	KUP5A15	24 AC	SPDT	3.90
41 C 4975	KUP5A15	120 AC	SPDT	3.90
41 C 4976	KUP5A15	240 AC	SPDT	4.30
41 C 4977	KUP5D15	6 DC	SPDT	3.75
41 C 4978	KUP5D15	12 DC	SPDT	3.75
41 C 4979	KUP5D15	24 DC	SPDT	3.75
41 C 4980	KUP5D15	110 DC	SPDT	4.35
41 C 4981	KUP11A15	6 AC	DPDT	4.75
41 C 4982	KUP11A15	12 AC	DPDT	4.75
41 C 4983	KUP11A15	24 AC	DPDT	4.75
41 C 4984	KUP11A15	120 AC	DPDT	4.75
41 C 4985	KUP11A15	240 AC	DPDT	5.15
41 C 4986	KUP11D15	6 DC	DPDT	4.25
41 C 4987	KUP11D15	12 DC	DPDT	4.25
41 C 4988	KUP11D15	24 DC	DPDT	4.25
41 C 4989	KUP11D15	110 DC	DPDT	4.90
41 C 4990	KUP14A15	6 AC	3PDT	5.30
41 C 4991	KUP14A15	12 AC	3PDT	5.30
41 C 4992	KUP14A15	24 AC	3PDT	5.30
41 C 4993	KUP14A15	120 AC	3PDT	5.30
41 C 4994	KUP14A15	240 AC	3PDT	5.70
41 C 4995	KUP14D15	6 DC	3PDT	4.90
41 C 4996	KUP14D15	12 DC	3PDT	4.90
41 C 4997	KUP14D15	24 DC	3PDT	4.90
41 C 4998	KUP14D15	110 DC	3PDT	5.30
41 C 4999	9KUI	Solder term. socket		.79

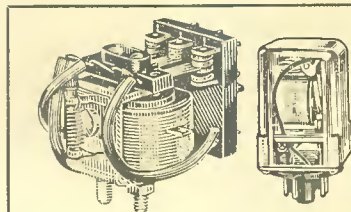
### LM PLATE-CIRCUIT RELAYS



For photoelectric and similar circuits. Medium-cost, high quality, current-actuated relays. Pull-in adjustable by tail spring adjusting screw. DC coils only. Silver contacts rated 5 amps, 115 V 60 Hz, non-inductive load. Have 100 milliwatt sensitivity for single pole, 200 mW for double-pole.

\*SPDT; †DPDT. Sizes are: LMS, 2 1/2x1 1/2x2 1/8"; LM11, 2 1/2x2 1/2x2 1/8". Av. shpg. wt., 9 oz.

Stock No.	Type	Ohms	mA	EACH
41 C 5673	LMS*	2500	6.3	4.35
41 C 5674	LMS*	5000	4.5	4.55
41 C 5675	LMS*	10,000	3.2	4.90
41 C 5682	LM11†	2500	9.0	6.20
41 C 5683	LM11†	5000	6.3	6.40
41 C 5684	LM11†	10,000	4.5	7.05



Open Type      Enclosed Type

## knight<sup>®</sup> RELAYS

- Life Expectancy Exceeds 5,000,000 Operations
- Molded Nylon Bobbins
- Modular Construction

Meet exacting requirements over a tremendous range of applications. In either open or enclosed plug-in types. Built-in contact wipe with riveted contacts. Phenolic terminal blocks. Independently riveted coil terminals. Enclosed types have crackproof dust covers of clear, poly carbonate resin. Silver alloy gold-flashed contacts rated 10 amps at 115 VAC or 32 VDC, noninductive.

### OPEN TYPES

Tinned solder terminals, 6-32 mtg. hole. U.L. Comp. Prog. Recog. 1 1/2x1 1/2x1 1/8", 2 oz.

Stock No.	Coil		Action	EACH
	Volts	Ohms		
41 C 4650	12 AC	20	SPDT	3.15
41 C 4651	24 AC	75	SPDT	3.15
41 C 4652	115 AC	1500	SPDT	3.15
41 C 4653	12 DC	150	SPDT	3.00
41 C 4654	24 DC	600	SPDT	3.00
41 C 4655	12 AC	20	DPDT	3.70
41 C 4656	24 AC	75	DPDT	3.70
41 C 4657	115 AC	1500	DPDT	3.70
41 C 4658	12 DC	150	DPDT	3.35
41 C 4659	24 DC	600	DPDT	3.35
41 C 4660	110 DC	10,000	DPDT	3.95
41 C 4661	115 AC	1500	3PDT	4.20
41 C 4662	24 DC	600	3PDT	3.85

### PLUG-IN ENCLOSED TYPES

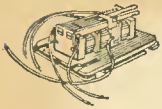
SPDT and DPDT use std. octal plug; 3PDT, 11-pin plug. 1 3/8x1 1/2x1 1/2", 3 oz.

Stock No.	Coil		Action	EACH
	Volts	Ohms		
41 C 4663	12 AC	20	SPDT	5.45
41 C 4664	24 AC	75	SPDT	5.45
41 C 4665	115 AC	1500	SPDT	5.45
41 C 4666	12 DC	150	SPDT	5.40
41 C 4667	24 DC	600	SPDT	5.40
41 C 4668	12 AC	20	DPDT	6.05
41 C 4669	24 AC	75	DPDT	6.05
41 C 4670	115 AC	1500	DPDT	6.05
41 C 4671	12 DC	150	DPDT	6.10
41 C 4672	24 DC	600	DPDT	6.10
41 C 4673	110 DC	10,000	DPDT	6.70
41 C 4677	115 AC	1500	3PDT	7.50
41 C 4678	24 DC	600	3PDT	7.45

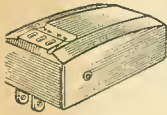


# Relays, Photorelays, and Motors

## ALCO REMOTE-CONTROL ISOLATION RELAYS



FR-101, FR-102



FRE-103

- Low-Voltage Control Up to 110 Volts
- Free Booklet Gives Typical Uses for Relay

MODEL FR-101 AND FR-102 BASIC RELAYS. Provide low-voltage control of high-voltage circuits. Combine step-down transformer and sensitive AC relays in a single laminated core construction. 110 VAC operation, but relay portion is activated by shorting the safe low-voltage provided by transformer. With dust cover. Av. shpg. wt., 5 oz.

MODEL FRE-103 PLUG-IN. Similar to SPDT FR-102, but with plug for standard AC wall outlet, and 3-way receptacle for selection of N. O. or N. C. controlling circuit. Miniature jack on side serves as plug-in for remote-controlling unit. Av. shpg. wt., 5 oz.

### SPECIFICATIONS

Maximum Load: 5 amps at 117 volts. Operating Voltage: 95 to 125 volts. Current Consumed: Under 40 mA. Isolated Voltage: Under 30 volts. Terminals: Types FR-101 and FR-102, 6" leads; Type FRE-103, plug-in. Life: Over 50,000 operations. Size with Cover: 2 1/8 x 1 3/4 x 1 1/4".

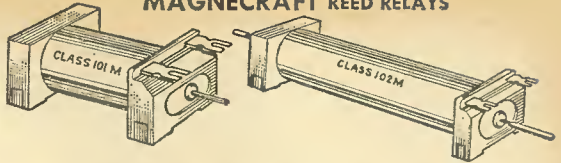
Stock No.	Mfr's Type	Contact Action	EACH
41 C 4292	FR-101	SPST Basic	3.85
41 C 4293	FR-102	SPDT Basic	4.45
41 C 4294	FRE-103	SPDT Plug-in	4.95

FREE! Booklet



With Each Relay, Describes 28 Basic Design Ideas. Clear, Complete.

## MAGNECRAFT REED RELAYS



Rugged design at minimum cost. Reed leads fastened to molded bobbin for stress relief. High-speed operation, sealed contacts.

TYPE 101M: SPST, normally open. Cont. rated 12 VA @ 1/4 amp or 100 VAC max. Coil, 600 mW. Operating time, 1 ms, release, 1/2 ms. Avg. life, 5 million cycles. 1 1/2 x 2 x 7/16".

TYPE 102M: Cont. rated 15 VA @ 1 amp or 250 VAC max. Coil, 300 mW. Oper. time, 3 ms, release, 1/2 ms. Avg. life, 20 million cycles. 3 1/2 x 1 1/2 x 1 1/2". Shpg. wt.: 101M, 2 oz.; 102M, 3 oz.

### CLASS 101M SPST—N.O. MINIATURE REED RELAY

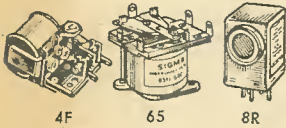
Stock No.	Mfr's Type	Coil			EACH
		mA	VDC	±10% Ohms	
41 C 4440	W101MX-1	.....	6	100	2.20
41 C 4441	W101MX-2	.....	12	250	2.25
41 C 4442	W101MX-3	.....	24	500	2.25
41 C 4443	W101MX-4	.....	9	2500	2.43

### CLASS 102M SPST—N.O. STANDARD-SIZE REED RELAY

Stock No.	Mfr's Type	Coil			EACH
		mA	VDC	±10% Ohms	
41 C 4444	W102MX-1	40	.....	100	2.18
41 C 4445	W102MX-2	.....	6	200	2.25
41 C 4446	W102MX-3	.....	12	500	2.25
41 C 4447	W102MX-4	.....	24	2000	2.47
41 C 4448	W102MX-5	5.5	.....	5000	2.63

## SIGMA RELAYS AND PHOTORELAY COMPONENTS

### RELAYS AND PHOTORELAYS



4F

65

8R

TYPE 4F. A wide selection of plate circuit relays for any 20 or 50 mW sensitivity application. SPDT contacts rated at 2 amps. For smoke detection, burglar alarms and many similar applications. Size, 1 1/2 x 1 1/8 x 1 1/2". Wt., 3 oz.

Stock No.	Mfr's Type	Ohms	mA DC	EACH
41 C 6377	4F-1000-S/SIL	1000	4.5	6.50
41 C 6378	4F-2500-S/SIL	2500	3.0	6.50
41 C 6379	4F-5000-S/SIL	5000	2.0	6.85
41 C 5285	4F-8000-S/SIL	8000	1.6	7.10
41 C 6127	4F-10000-S/SIL	10,000	1.4	7.10

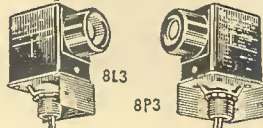
TYPE 65. Small, sensitive relays. SPDT contacts rated 1A. Screw mtg. (2—#4-40 holes spaced .888" apart). Solder terminals. 5 million operation life. Ideal for toys, slide projectors. Wt., 1 oz.

Stock No.	Mfr's Type	Ohms	Contacts	EACH
41 C 6612	65F1A-12 DC	1640	SPDT	1.50
41 C 6613	65F1A-24 DC	6560	SPDT	1.50

TYPE 8R PHOTORELAYS. Use CdS photocells. Tubeless. For applications requiring "light-no light" conditions. 5 ft.-candles are needed to operate. \*0.1, ±0.5 to release. Contacts are rated 5 amps. Aluminum dust covers. 1 7/8 x 1 1/2 x 1 1/2". For 120 V, 50-60 Hz. AC. See Type 8L3-115, at right, for light source. Shpg. wt., 4 oz.

Stock No.	Mfr's Type	Contacts	Base	EACH
41 C 6108	8RC01A*	SPDT	5-pin	16.33
41 C 6251	8RC02A†	SPDT	5-pin	16.88

### INTEGRAL 2-PART PHOTORELAY SYSTEMS



8L3

8P3

HIGH-SPEED TYPES 8P8 AND 8P10. Give up to 1200 operations per minute with maximum range of 12 feet. Resistive rating, 5 A max. at 28 VDC or 115 VAC; 2.5 A at 230 VAC. Provide up to 100 million mechanical operations. Have SPDT contacts.

GENERAL-PURPOSE TYPE 8P3. Will provide up to 600 operations per minute. Has a 10-amp resistive rating at 28 volts DC or 115 volts AC, and 5 amps at 230 volts DC. Designed to give up to 10 million mechanical operations. Operates up to 12 feet from light source. Has SPDT contact arrangement.

LIGHT SOURCE 8L3-115. All three systems above may be used with your own light source, or with the 8L3-115 Light Source listed in the table below. Leads are #18 AWG, with an average 18" length. Operating temperature range, +32° to +122°F.

Stock No.	Mfr's Type	Mounting and Size	Wt., Oz.	EACH 1-9
41 C 6192	8P8-115	1/2" conduit fitting, mounting bracket. 2 1/2 x 1 29/32 x 3 3/16"	13	39.60
41 C 6193	8P10-115	5-pin plug. 2 1/2 x 1 29/32 x 3 3/16"	8	37.80
41 C 6190	8P3-115	1/2" conduit fitting, mounting bracket. 2 1/2 x 1 29/32 x 3 3/16"	13	19.80
41 C 6191	8L3-115	Light source for 8P8-115, 8P10-115, 8P3-115 listed above	13	14.40

## WORNER 4000 "WATCHMAN"



Amplifier

Light Source

Two-unit photoelectric system for actuating burglar alarms. Light-source has infrared filter for invisible beam. Switch for continuous or momentary alarm. Sensitivity control. 6-V output for alarm. For indoor use at distances to 50 ft. 5 x 5 x 5 1/2". For 110-120 V, 50-60 Hz AC. 11 3/4 lbs.

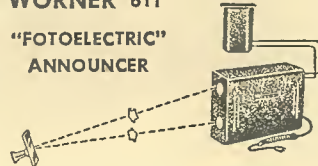
41 C 7232 U..... 96.30

MODEL 5100. (Not illus.) As above, but has meter jack for plate-circuit test and alarm setting protected by lock. For up to 100 ft. For 110-120 V, 50-60 Hz AC. 14 lbs.

41 C 7441 U..... 134.67

## WORNER 61T

### "FOTOELECTRIC" ANNOUNCER



Effective low-cost "electronic receptionist." Light source and photocell in one housing, mirror reflects beam back to unit. When light beam is broken, warning chime sounds. Features reliable all-transistor design. Outfit consists of "Fotoelectric" unit, mirror and chime. Unit may be placed three to ten feet from mirror. Size, 8 1/4 x 6 1/2 x 2 3/4". For 110-120 V, 50-60 Hz AC.

41 C 7325, Shpg. wt., 9 lbs..... 64.80

41 C 9707, Extra Bulb, 5 oz..... 32

41 C 7326, Extra Chime, 2 lbs..... 6.75

## HANSEN "SYNCHRON" MOTORS



Hysteresis-synchronous timing motors. Sealed gear case, brass gears, 1-piece steel pinions with phenolic first gear. Has positive direction of rotation. Double bearings on rotor shaft, reduction train and output shaft. Can be stalled without damage at speeds of 1 rpm or faster.

K12RC: has 4-W "K" coil; 20 in.-oz. torque. I12RC: 3-W "I" coil; 30 in.-oz. torque. All have Type 12 flatted shaft, 1/8" dia. x 3/8" long. Clockwise rotation (facing shaft). Two mtg. holes, .142" dia., spaced 1.875". 110 V, 60 Hz AC. Specify Motor Speed, K12RC: 1, 2, 3, 4, 6, 10, 30, 50, 60 rpm; I12RC: 1, 2, 4, 10, or 12 rpm. Av. wt., 12 oz.

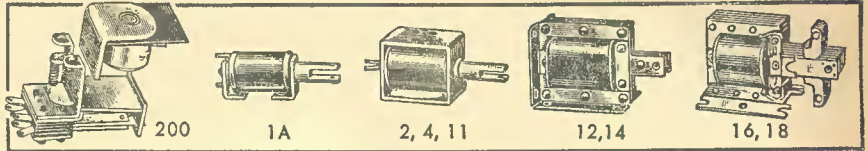
41 C 5800 C, K12RC, 1-60 rpm... Each 5.10

41 C 5801 C, I12RC, 1 or 2 rph... Each 5.02

41 C 5802 C, I12RC, 4-12 rph... Each 5.02

# Relays, Solenoids and Motors

- Universal Relays
- Solenoids
- Midget Stepper
- Delay Relays
- Shaded Pole Motors
- Synchronous Motors



## GUARDIAN RELAYS AND SOLENOIDS

### UNIVERSAL "200" SERIES COILS FOR ASSEMBLING CUSTOM RELAYS

Universal interchangeable parts for assembling custom relays. Listings include AC, DC, and plate coils, and switch contact assemblies. Complete relay requires one coil and one contact assembly. For additional contacts use the contact switch parts kit. Contact ratings given are at 115 V, 60 Hz AC, non-inductive load. Size: with standard contact assembly, 2 7/8 x 1 1/2 x 1/4"; midget assembly, 2 1/8 x 1 1/8 x 1/2". Av. shpg. wt., 4 oz.

AC Coils			DC Coils		
Stock No.	Volts	EACH	Stock No.	Volts	EACH
41 C 5709	6	1.85	41 C 5713	6	2.00
41 C 5710	12	1.85	41 C 5714	12	2.00
41 C 5711	24	1.85	41 C 5715	24	2.00
41 C 5712	24	2.85	41 C 5717	110	2.65
41 C 5888	240	2.85			

41 C 5779, Type 200-5000 D Plate Coil, 5000 ohms, 3 oz. .... 2.30  
41 C 5109, Type 200-10,000 D Plate Coil, 10,000 ohms, 3 oz. .... 2.65

### SERIES 200 SWITCH CONTACT ASSEMBLIES FOR USE WITH COILS ABOVE

Stock No.	Mfr's Type	Description	EACH
41 C 5707	200-1	SPDT std. contact assembly, 8 amps	1.60
41 C 5708	200-2	DPDT std. contact assembly, 8 amps	2.10
41 C 5724	200-4	DPDT std. contact assembly, 12.5 amps	2.35
41 C 5889	200-5	4PDT std. contact assembly, 8 amps	3.70
41 C 5718	200-M1	SPDT midget contact assembly, 8 amps	1.50
41 C 5719	200-M2	DPDT midget contact assembly, 8 amps	1.85
41 C 5826	200-M3	4PDT midget contact assembly, 8 amps	3.00

### AMPERITE TIME DELAY RELAYS

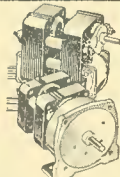
Hermetically sealed in glass envelope with octal base Heater draws 2 watts. Contacts: SPST, 3 amps at 115 VAC, 1 amp at 220 VAC. Voltage Breakdown: Contacts, 800 V; Heater-to-Contact, 800 V, except\* 250 V and 500 V for delays of 10 sec. or less. Ambient temperatures from -55° to 170° F. Diameter, 1 1/2". Height 1 1/2" prongs, 2 7/8". Shpg. wt., 4 oz. Be sure to specify Type Number as well as Stock No.

Delay Seconds	Type No. Normally Open			Type No. Normally Closed		
	6.3 V	26 V	115 V	6.3 V	26 V	115 V
2*	6N02	26N02	115N02	6C2	26C2	115C2
3*	6N03	26N03	115N03	6C3	26C3	115C3
5*	6N05	26N05	115N05	6C5	26C5	115C5
10*	6N010	26N010	115N010	6C10	26C10	115C10
15	6N015	26N015	115N015	6C15	26C15	115C15
20	6N020	26N020	115N020	6C20	26C20	115C20
30	6N030	26N030	115N030	6C30	26C30	115C30
45	6N045	26N045	115N045	6C45	26C45	115C45
60	6N060	26N060	115N060	6C60	26C60	115C60
75	6N075	26N075	115N075	6C75	26C75	115C75
90	6N090	26N090	115N090	6C90	26C90	115C90
120	6N0120	26N0120	115N0120	6C120	26C120	115C120
150	6N0150	26N0150	115N0150	6C150	26C150	115C150
180	6N0180	26N0180	115N0180	6C180	26C180	115C180

41 C 5295 C. .... Each 2.40  
Miniature Relays. All types listed in above table, are also available in miniature size except 150 and 180-second units, 9-pin, 3/8x2 3/8". Shpg. wt., 3 oz. Specify Type No., adding letter "T" following Type Number. Example: 6N02T.  
41 C 5296 C. .... Each 2.40

### R.M.S. SHADED POLE AC MOTORS

Constant-speed gear motors ideal for photocopy, display, cycle controllers, remote-control devices, motorized valves, business machines. Linear torque output. Mount in any position with no lubricant loss. No fan required. Permanently lubricated; sintered-bronze bearings; no commutators or brushes; impedance protected. 155° insulation; gear-case lubrication good from -65 to +300°F. For 115 volts, 50-60 Hz AC. Av. wt., 3 lbs.



rpm	Mfr's Type			rpm	Mfr's Type		
	Torque In.-Oz.	Clockwise	Reversible		Torque In.-Oz.	Clockwise	Reversible
1	800	BG5R1K	BG5P1K	10	225	BG5R10K	BG5P10K
5	450	BG5R5K	BG5P5K	30	200	BG5R30K	BG5P30K

### PRICES—SPECIFY TYPE AND RPM FROM ABOVE

Stock No.	Rotation	1-9, EACH	10-24, EACH
41 C 4522 C	Clockwise	15.80	14.25
41 C 4524 C	Reversible	22.40	20.20

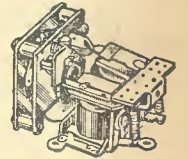
### 1A1 TO 18 SERIES INDUSTRIAL SOLENOIDS

\*Intermittent-duty types for applications not requiring energization for more than 5 minutes; with sufficient time between cycles for cooling. Should not be permitted to rise more than 85°C above 24°C ambient without time to cool. †Continuous duty types will not rise more than 85°C above 24°C ambient temp. when operated at rated load.

Stock No.	Type	Volts	Stroke	Lift Oz.	Size	Lbs.	EA.
41 C 5890	1A1*	115AC	3/8 x 1/2"	8	1 1/2 x 1 3/4 x 1 1/2"	1/4	3.15
41 C 5891	1A1†	115AC	3/8 x 1/2"	3	1 1/2 x 1 3/4 x 1 1/2"	1/4	3.15
41 C 5154	2*	115AC	3/8 x 1/2"	27	1 3/8 x 1 1/2 x 1 1/2"	3/4	3.68
41 C 5155	2†	115AC	3/8 x 1/2"	10 1/2	1 3/8 x 1 1/2 x 1 1/2"	3/4	3.68
41 C 5892	4*	115AC	3/8 x 1/2"	24	1 3/8 x 2 1/2 x 1 1/2"	1	4.20
41 C 5893	4†	115AC	3/8 x 1/2"	8	1 3/8 x 2 1/2 x 1 1/2"	1	4.20
41 C 5828	12*	115AC	3/8 x 1/2"	42	1 1/2 x 1 3/4 x 1 1/2"	3/4	4.46
41 C 5829	12†	115AC	3/8 x 1/2"	22	1 1/2 x 1 3/4 x 1 1/2"	3/4	4.46
41 C 5595	11*	6DC	3/8 x 1/2"	39	1 3/8 x 1 1/2 x 1 1/2"	3/4	3.15
41 C 6318	11†	6DC	3/8 x 1/2"	26	1 3/8 x 1 1/2 x 1 1/2"	3/4	3.15
41 C 5556	11*	24DC	3/8 x 1/2"	39	1 3/8 x 1 1/2 x 1 1/2"	3/4	3.15
41 C 6319	11†	24DC	3/8 x 1/2"	26	1 3/8 x 1 1/2 x 1 1/2"	3/4	3.15
41 C 5894	14*	115AC	3/8 x 1 1/2"	110	2 1/8 x 2 1/2 x 1 1/2"	1 1/4	6.04
41 C 5895	14†	115AC	3/8 x 1 1/2"	65	2 1/8 x 2 1/2 x 1 1/2"	1 1/4	6.04
41 C 5156	16*	115AC	3/8 x 3/4"	96	1 1/2 x 1 3/8 x 1 1/2"	3/4	3.68
41 C 5885	16†	115AC	3/8 x 3/4"	54	1 1/2 x 1 3/8 x 1 1/2"	3/4	3.68
41 C 6320	16†	230AC	3/8 x 3/4"	54	1 1/2 x 1 3/8 x 1 1/2"	3/4	3.94
41 C 5157	18*	115AC	3/8 x 1/2"	304	2 1/8 x 2 1/2 x 1 1/2"	1	4.99
41 C 5886	18†	115AC	3/8 x 1/2"	145	2 1/8 x 2 1/2 x 1 1/2"	1	4.99
41 C 6321	18†	230AC	3/8 x 1/2"	145	2 1/8 x 2 1/2 x 1 1/2"	1	5.25

### MER-115 MIDGET STEPPING RELAY

Electrical-reset stepping relay with 21 active positions. The relay resets from an external control on its own contacts. Contacts are rated at 1 amp at 115 V, 60 Hz, non-inductive. Stepping and reset coils 115 V, 60 Hz AC. Minimum set pulse, 50 ms; reset, 10 ms. Recommended for experimental purposes, original equipment, or replacement. Compact size, only 3 1/4 x 2 3/8 x 3 1/4". Shpg. wt., 13 oz.  
41 C 5282 ..... 15.75



### HURST SYNCHRONOUS MOTORS

- CA, SM, PC-SM and EA Series
- Accurate, Cool-Running

CA Series—100 Inch-Ounce Reversible. For continuous timing applications such as alarm systems, displays, process controls, etc. Instantly reversible with SPDT switching; maintain accuracy both clockwise and counter-clockwise. Torque: 100 inch-ounce at 1 r/min. Case, 2 1/2" dia. x 2 1/2". Shaft, 3/8" dia., 1" long flattened. Power drain: 5 watts. For 95-130 V, 60 Hz AC. Shpg. wt., 18 oz.  
SM Series—40-Inch-Ounce Unidirectional. Shaded pole, clockwise rotation. Instant start at full torque of 40 inch-ounce at 1 r/min. Power drain: 5 watts. Case, 2 1/2" dia. x 1 1/4". Shaft, 3/8" dia. by 1" long. For 95-130 V, 60 Hz AC. Shpg. wt., 1 lb.



### OUTPUT SPEEDS IN REVOLUTIONS PER MINUTE

1/2	2 1/2	8†	20†	33 1/3	64	160	800
1 1/2*	3*	10†*	24	40	80	200	1000
1*	4†	12†	25	48	100	240	3600
1 1/2*	5*	15*	30†	50	120†	400	...
2†*	6†	16	32	60†	150	600	...

41 C 7154 C, CA Series. All speeds in table above available.  
—Specify Speed, 1-9, ..... Ea. 12.51 10-24, ..... Ea. 11.26

41 C 7152 C, SM Series. Available only in speeds indicated by asterisk\* in table above.—Specify, 1-9, ..... Ea. 12.28 10-24, ..... Ea. 11.05

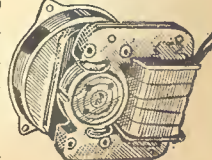
PC-SM Positive Clutch Series. Basic SM motor as described above, with positive clutch and instantaneous brake. Clutch will start output shaft within 20 milliseconds and brake will stop output shaft within 1 1/2" at 1 rpm or within 12" at 60 rpm; other speeds proportional. Shpg. wt. 1 1/2 lbs. Available only in speeds indicated by asterisk (\*) in table above.—Specify Speed.

41 C 7153 C, 1-9, ..... Each 17.86 10-24, ..... Each 16.07

EA Series. Synchronous motor, with 150 inch-ounce rating at 1 r/min. Open frame, shaded pole. Completely accurate, cool-running timing motor with clockwise rotation. Case measures 1 3/8 x 2 3/8 x 3 1/4". 3/8 x 1" output shaft, except 1 1/2 x 1". Wt., 1 1/4 lbs.

Stock No.	R/Min.	EACH	
		1-9	10-24
41 C 7155 C	1-120†	9.35	8.41
41 C 7156 C	3600†	6.93	6.24

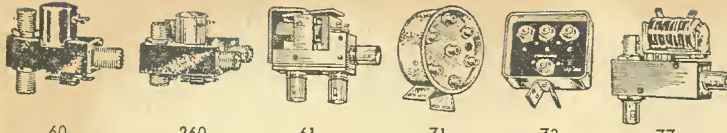
Available only in speeds indicated by dagger (†) in table above.—Specify.





# Coaxial Relays and Relay Cleaning Tools

## DOW-KEY COAXIAL ANTENNA RELAYS



60 Series. Heavy-duty SPDT 50-ohm coaxial relays. Handle 1 kW. VSWR less than 1.15:1, 0-500 MHz. Types with \* have patented automatic receiver protecting connector for greater than 100 dB isolation between receiver and transmitter lines, from 0-500 MHz. Types ending in 2 include external DPDT contacts for switching auxiliary circuits 5 A @ 110 VAC. UHF conn.  $2\frac{3}{4} \times 3\frac{1}{2} \times 1\frac{1}{8}$ ". Av. wt., 10 oz.

Stock No.	Mfr's Type	Coil Volts	EACH	
			1-4	5-9
41 C 6114	60-2204	12 DC	4.85	13.50
41 C 6115	60-2604	115 AC	4.85	13.50
41 C 5953	60-2228*	12 DC	16.35	14.85
41 C 5955	60-2628*	115 AC	16.35	14.85
41 C 6118	60-222842*	12 DC	18.00	16.35
41 C 6119	60-262842*	115 AC	18.00	16.35
41 C 6116	60-220442	12 DC	16.50	15.00
41 C 6117	60-260442	115 AC	16.50	15.00

260. DPDT coaxial unit for switching two lines simultaneously. Frequency range is 0-500 MHz; power rating, 1 kW. VSWR, less than 1.15:1 from 0 to 500 MHz; isolation greater than 30 dB at 500 MHz; loss is less than 0.03 dB at 30 MHz. Long life—over 1 million operations. 50 ohms.  $2\frac{3}{4} \times 3\frac{1}{2} \times 1\frac{3}{8}$ ". UHF connector. Shpg. wt., 12 oz.

41 C 6149 | 260-2604 | 115 AC | 24.75 | 22.50

260B. Similar to Type 260, above, but internally connected in the de-energized position. UHF conn. Shpg. wt., 12 oz.

41 C 5956 | 260B-2604 | 115 AC | 23.90 | 21.75

61. High-performance SPDT type switch. Range, 0-1000 MHz. VSWR, 1.1:1 at 400 MHz. Crosstalk, -40 dB at 400 MHz. Capacity, 100 watts. Plated per MIL-QQS-365. OQP-416. Life, over 1 million operations.  $1\frac{1}{4} \times 5\frac{1}{8} \times 1\frac{1}{2}$ ". BNC conn. 6 oz.

41 C 6148 | 61-2302 | 28 DC | 28.95 | 26.30

71. SP6T weatherproof type for remote switching of RF sources. Common connector may be switched directly to any one of six positions. Range, 0-500 MHz; rating, 1 kW; VSWR, 1.1:1 at 100 MHz; isolation, 40 dB at 100 MHz; life, greater than 1 million operations. 50 ohms impedance.  $5\frac{3}{4}$ " dia.,  $2\frac{3}{4}$ " deep. UHF conn. 3 lbs.

Stock No.	Mfr's Type	Coil Volts	EACH	
			1-4	5-9
41 C 5957	71-260402	115 AC	61.85	56.25
41 C 5958	71-290402	24 AC	61.85	56.25

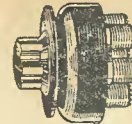
72. SP3T multi-position switch; weatherproof type. Same high-quality features as Type 71 switch listed above, except has only three positions. Size,  $4 \times 3\frac{1}{2} \times 3\frac{3}{8}$ ". Supplied complete with mounting bracket that accommodates two standard TV mounting straps for quick, easy installation on antenna mast. UHF conn. Shpg. wt.,  $1\frac{1}{2}$  lbs.

Stock No.	Mfr's Type	Coil Volts	EACH	
			1-9	10-24
41 C 5960	72-260402	115 AC	31.35	28.50
41 C 5965	72-290402	24 AC	31.35	28.50
41 C 5967	72-220402	12 DC	31.35	28.50

77 Series. Miniature 50-ohm SPDT types with Type BNC connectors. Frequency range, DC to 1000 MHz; power rating up to 250 watts; VSWR, less than 1.1:1 at 500 MHz; isolation, greater than 30 dB at 500 MHz; insertion loss, less than .03 dB at 500 MHz; life, over 1 million operations. Models with 32 in Type No. have SPDT auxiliary switches rated 5 A @ 110 VAC resistive.  $2\frac{3}{8} \times 2\frac{1}{8} \times 1\frac{1}{8}$ " with connector. Wt., 5 oz.

Stock No.	Mfr's Type	Coil Volts	EACH	
			1-9	10-24
41 C 5910	77-220202	12 DC	11.50	10.50
41 C 5911	77-230202	28 DC	11.50	10.50
41 C 5914	77-220232	12 DC	12.75	11.60
41 C 5919	77-230232	28 DC	12.75	11.60

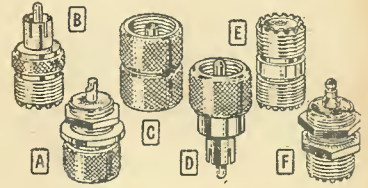
## DOW-KEY MANUAL COAXIAL ANTENNA SWITCHES



78 Series. For manual switching of antenna modes. Provide outstanding RF characteristics. Silver contacts are  $\frac{3}{16}$ " diameter in shielded RF cavity. All are rated at 1 kW, with antenna impedance of 50 ohms. VSWR is less than 1.05:1 at 150 MHz. Isolation is greater than 50 dB at 500 MHz and 8 dB at 30 MHz. Silver UHF antenna connectors. Require  $\frac{2}{32}$ " mounting hole and  $\frac{5}{32}$ " hole for key. \*In listings below indicates unit has transfer-crossover switch. Complete with mounting nut, dial plate and knob. Rugged black anodized finish. 3" diameter,  $1\frac{1}{8}$ " depth. Av. shpg. wt., 5 oz.

41 C 5900, 78-0204. SPDT	14.00
41 C 5901, 78-0304. SP3T	14.45
41 C 5902, 78-0604. SP6T	15.65
41 C 5904, 78-0904. *T-C	16.65

## DOW-KEY COAXIAL CONNECTORS



- A 41 C 5905. C-201. Male UHF panel type. Single  $\frac{5}{8}$ " hole mounting. 1 oz. .... 1.07
- B 41 C 5907. A-210. Female UHF to male phono type connector. Wt., 1 oz. .... 1.24
- C 41 C 5946. A-F2. Double male UHF locking type connector. Wt., 1 oz. .... 76
- D 41 C 5908. A-211. Male UHF to male phono type connector. Wt., 1 oz. .... 1.32
- E 41 C 5906. A-202. Double female UHF type connector. Wt., 1 oz. .... .82
- F 41 C 5903. C-60P. Female UHF type. Single  $\frac{5}{8}$ " hole panel mounting. 1 oz. .69

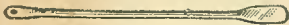
## JONARD RELAY TOOLS AND SERVICE KITS



### POCKET CONTACT BURNISHERS

Compact tools for cleaning and burnishing relay contacts. Replaceable steel blades. Leaves no residue. Chrome-plated barrel with pocket clip, aluminum chuck. Plastic cap permits use with live contacts. Size,  $\frac{3}{8} \times 5\frac{1}{2}$ ". With blades. Shpg. wt., 5 oz.

- 41 C 7355. P-4 Burnisher. With 12 RB4 ( $\frac{1}{4} \times 1\frac{1}{4}$ " blades)..... 3.90
- 41 C 7356. P-6 Burnisher. With 12 RB6 ( $\frac{3}{16} \times 1\frac{1}{4}$ " blades)..... 3.90
- 41 C 7357. RB4 Replacement Blades. 2 oz. .... Pkg. of 25 for 3.75
- 41 C 7358. RB6 Replacement Blades. 2 oz. .... Pkg. of 25 for 3.75



### DIAMOND-FACED RELAY CLEANERS

Diamond-impregnated spatulas specifically designed for cleaning relay contacts. Require only a gentle, even pressure to do a thorough cleaning job—contact gap is left unchanged. Types 200 and 300 have 0.55 mm diamond grain; have two diamond faces. Type 400 has 0.25 mm diamond grain. Type 234 is set of one each of the three types, in plastic case. 6" long. Shpg. wt., 2 oz.

Stock No.	Mfr's Type	Description	EACH
41 C 7328	200	For industrial relays	4.95
41 C 7329	300	For intermediate relays	4.95
41 C 7330	400	For sensitive relays	4.95
41 C 7285	234	Set of one ea.: 200, 300, 400	14.85



### RELAY CONTACT THICKNESS GAUGE

Type T-255. Extremely useful gauge accurately measures thickness of contact spacing on relays and switches. Has 9 swing-out blades that measure thickness from .009" to .026". Complete with 4" long,  $\frac{1}{2}$ " wide case to protect blades when not in use. Wt., 5 oz.

41 C 6939..... 2.24

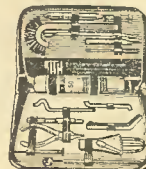
### KR-6 COMPACT 8-PIECE RELAY SERVICE TOOL KIT



Handy relay service tool kit designed to fit easily in the serviceman's pocket or tool box. Ideal for "in-plant" and emergency service calls. Includes all the major tools needed to accurately adjust, calibrate and service relays, contacts, and many other electro-mechanical devices. All tools are precision-made of the finest quality carbon steel. Heavily insulated dielectric tools permit adjusting or repairing even high-voltage equipment without the necessity of costly and time-consuming power shutdowns. Kit includes: spring adjuster; armature arm and stop benders; duckbill pliers; contact burnisher; 0-50 gram relay spring-tension gauge; fine point tweezers; swivel head screwdriver. All tools are in handy zippered leather carrying case with special holders for each tool. Shpg. wt., 2 lbs.

41 C 7351..... 19.90

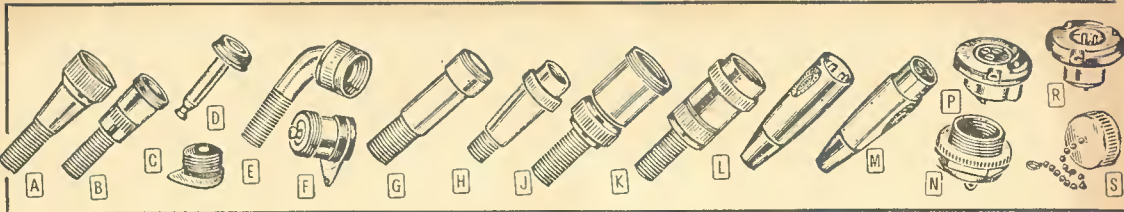
### K-55 MASTER 15-PIECE RELAY SERVICE TOOL KIT



Precision-made, professionally designed tool outfit contains everything needed for full adjustment and maintenance of relays, contactors, switches, other electro-mechanical devices. Kit includes: two spring adjusters (Types SA-7, SA-17); duckbill pliers; service inspection mirror; armature arm bender; "PENFILE" contact burnisher; 0-50 gram relay-spring tension gauge; screwdriver; 4-in-one tool; back-stop bender; angle thickness gauge; tweezers; selector switch brush; pkg. of 12 replacement blades for contact burnisher; "Kontakt 60" spray. All tools and spray are packaged in deluxe zippered leather carrying case for complete protection. Shpg. wt.,  $3\frac{1}{2}$  lbs.

41 C 7350..... 34.00

# Amphenol Microphone and RF Cable Connectors



## MICROPHONE CONNECTORS

Most microphones listed in this catalog are supplied less connector. Choose from this complete selection of Amphenol connectors—you'll find one to meet any application. Precision construction assures con-

nections free from noise, leaks or shorts. Cable plugs are equipped with spring-type cord protectors. When splicing 2 cords, use one 75-MC1F and one 75-MC1M connector for a strong, reliable connection.

### SERIES 75 SINGLE-BUTTON CONTACT TYPES

Standard connectors 3/4", 27 threads; 3/8" mounting holes. †Indicates miniature connectors that are approximately half the size and weight of standard counterparts with same specifications. Durable bright chrome finish. Av. shpg. wt., 3 oz.

Stock No.	Type	Fig.	Description	EA.
47 C 1958	75-MC1F	A	Cable plug	.64
47 C 1955	75-MC1M	B	Cable plug	.46
47 C 1965	75-PC1M	C	Chassis receptacle, non-shorting	.41
47 C 1962	75-MC1P	D	Phone plug adapter	.52
47 C 1959	75-MC1FA	E	90° angle cable jack	1.31
47 C 1967	75-CL-PC1M	F	Chassis receptacle, closed circuit	.67
47 C 2660	†75-3	F	Locknut receptacle	.50

### SERIES 80 SINGLE AND DOUBLE-PIN CONTACT TYPES

For shielded cables, single and two-conductor coax, etc. Center contacts are pin and socket type. \*Single-contact type. †Polarized, double-contact. Mount in 5/8" hole with max. panel thickness of 1/2". Durable bright chrome finish. Av. shpg. wt., 3 oz.

Stock No.	Type	Fig.	Description	EA.
47 C 2084	*80-C	N	Female chassis receptacle	.54
47 C 2081	*80-M	H	Male cable plug	.67
47 C 2082	†80-MC2F	G	Female cable jack	.71
47 C 2664	†80-MC2F1	H	Female cable plug	.75
47 C 2083	†80-MC2M	H	Male cable plug	.69
47 C 2665	†80-MC2M1	G	Male cable jack	.60
47 C 2085	†80-PC2F	N	Female chassis receptacle	.60
47 C 2666	†80-PC2M	N	Male chassis receptacle	.57

§ Type 75-CC3 Cap and Chain. Seals open chassis units against dirt and dust. Chain has eye for securing to panel. Used with both series 75 and 80 receptacles. Shpg. wt., 3 oz.

47 C 0381..... .45

### SERIES 91 3 AND 4-CONTACT TYPES

For portable equipment. Polarized. Clamps eliminate stress on soldered connections. \*3-contact type. †4-contact. Panel 1/8" thick, max. Receptacles mount in 27/32" hole. Av. shpg. wt., 3 oz.

Stock No.	Type	Fig.	Description	EA
47 C 1970	*91-MC3F	J	Female cable jack	1.07
47 C 2667	*91-MC3F1	K	Female cable plug	1.10
47 C 1971	*91-MC3M	J	Male cable plug	1.01
47 C 2668	*91-MC3M1	K	Male cable jack	.97
47 C 1972	*91-PC3F	N	Female chassis receptacle	.73
47 C 2669	*91-PC3M	N	Male chassis receptacle	1.14
47 C 1977	†91-MC4F	I	Female cable jack	1.10
47 C 2670	†91-MC4F1	I	Female cable plug	1.14
47 C 1976	†91-MC4M	K	Male cable plug	1.03
47 C 2672	†91-PC4M1	J	Male cable jack	.99
47 C 1978	†91-PC4F	I	Female chassis receptacle	.72
47 C 2673	†91-PC4M	N	Male chassis receptacle	.98

§ Type 91-CC3 Cap and Chain. Protects chassis jacks from dust. Used for series 91 microphone connectors. Shpg. wt., 3 oz.

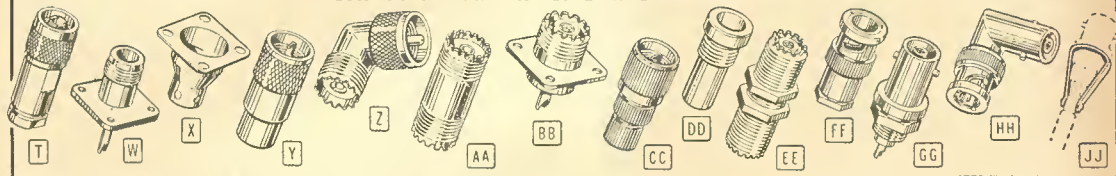
47 C 2674..... .48

### SERIES 91 "QUIK" 3 AND 4-CONTACT TYPES

Push together; released by slight pressure on lock button. Gold-Plated (over silver) bronze contacts. Incorrect insertions are impossible because connectors are polarized. Satin nickel-plated, zinc-alloy shells. \*3-contact type. †4-contact type. Av. shpg. wt., 3 oz.

Stock No.	Type	Fig.	Description	EA.
47 C 2065	*91-853	L	Male cable plug	1.73
47 C 2066	*91-854	M	Female cable plug	2.27
47 C 2067	*91-855	R	Male chassis receptacle	1.38
47 C 2068	*91-856	P	Female chassis receptacle	3.14
47 C 2069	†91-857	L	Male cable plug	1.82
47 C 2070	†91-858	M	Female cable plug	2.52
47 C 2071	†91-859	R	Male chassis receptacle	1.49
47 C 2072	†91-860	P	Female chassis receptacle	3.37

## CHASSIS AND RF CABLE CONNECTORS



Series 31 BNC Coaxial Connectors. Small, weatherproof connector with bayonet coupling. Low-voltage, single contact. \*For 50-ohm RG-55/U and RG-58/U cables. †For 70-ohm RG-59/U, RG-62/U and RG-71/U. Plugs mate with 31-003 or jacks. Av. shpg. wt., 3 oz.

Stock No.	Military No.	Mfr's Type	Fig.	Description	EA.
47 C 0391	UG-88/U	*31-002	FF	Plug	.67
47 C 2476	UG-88B/U	*31-018	FF	Plug	.80
47 C 2477	UG-88CU	*31-202	FF	Plug	.73
47 C 0393	UG-89/U	*31-005	GG	Jack	1.00
47 C 0396	UG-260/U	†31-012	FF	Plug	.71
47 C 2479	UG-260A/U	†31-021	FF	Plug	.82
47 C 0397	UG-261/U	†31-015	GG	Jack	1.22
47 C 0398	UG-262/U	†31-011	GG	Panel Jack	1.31
47 C 0492	UG-274/U	*31-008	.....	"T" Adapter	2.24
47 C 0392	UG-290/U	*31-003	.....	Receptacle	1.82
47 C 2483	UG-290A/U	31-203	.....	Receptacle	.75
47 C 0399	UG-291/U	*31-001	.....	Panel Jack	1.14
47 C 0394	UG-306/U	*31-009	III	Adapter, Right-Angle	1.94
47 C 2486	UG-491A/U	31-218	.....	Male Adapter	2.29
47 C 2132	UG-625/U	5575	CG	Receptacle	.69
47 C 0398	UG-657/U	31-102	CG	Receptacle	1.18
47 C 2491	UG-1094/U	31-221	GG	Receptacle	.71
47 C 2496	.....	31-759	JJ	Shield Grounding Lug	.16

Series 82 N Coaxial Connectors. Low-voltage. 70 ohms. \*50 ohms. 3 oz.

Stock No.	Military No.	Mfr's Type	Fig.	Description	EA.
47 C 0313	UG-21B/U	82-61	T	Plug	1.17
47 C 2603	UG-57B/U	*82-100	.....	Adapter, Straight Male	2.15
47 C 0312	UG-58/U	82-24	.....	Receptacle	.81
47 C 0529	UG-58A/U	*82-97	W	Receptacle	.85
47 C 2116	UG-536/U	34000	T	Plug	1.98

Series 83 UHF Coaxial Connectors. Small single contact. Widely used for RF applications. All exposed metal is silver plated for superior performance. \*Polystyrene insulation. †Mica-filled. Av. shpg. wt., 3 oz.

Stock No.	Military No.	Mfr's Type	Fig.	Description	EA.	
47 C 0357	UG-106/U	.....	.....	.....	.....	
	M-360, 49193	83-1H	X	Hood	.33	
47 C 2450	UG-111/U	83-750	T	Plug	.90	
47 C 0360	UG-175/U	83-185	DD	Adapter, Reducing	1.18	
47 C 0359	UG-176/U	83-168	X	Adapter, Reducing	1.38	
47 C 0351	UG-177/U	83-765	X	Hood	1.73	
47 C 0373	UG-203/U	83-776	V	Plug	1.53	
47 C 0356	UG-363/U	83-1F	EE	Adapter, Bulkhead	2.36	
47 C 0353	UG-646/U	.....	83-1AP	Z	Adapter, Right Angle	1.68
47 C 0354	M-358, 49199	83-1T	.....	"T" adapter	3.09	
47 C 2452	M-359A	83-58	.....	Adapter, Angle	1.71	
47 C 0355	PL-258, 49191	83-1J	AA	Straight adapter	1.15	
47 C 0350	PL-259, 49190	83-1SP	VB	For RG/U 8, 9, 10, 11, 12, 13, 63, 65	.59	
47 C 0352	SO-239, 49194	83-1R	BB	Receptacle chassis type	.55	
47 C 2454	PL-259A, 49195	83-756	T	Plug	1.39	
47 C 0372	PL-259A	†83-1SPN	Y	Plug	1.02	
47 C 2455	SO-239	*83-1RTV	BB	Receptacle	.88	
47 C 2453	SO-239A	83-798	BB	Receptacle	1.22	
47 C 2457	PL-259, 49190	83-822	T	Plug	.71	
47 C 0361	UG-102/U	83-22SP	.....	Plug	1.31	
47 C 0362	UG-103/U	83-22R	.....	Receptacle	1.12	

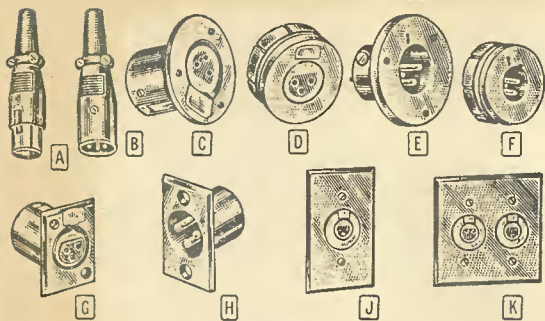
Solderless Type UHF Plug Connectors. Av. shpg. wt., 3 oz.

Stock No.	Military No.	Mfr's Type	Fig.	Description	EA.
47 C 0509	.....	83-850	CC	Plug for RG/U 11	2.83
47 C 0510	.....	83-851	CC	Plug for RG/U 8, 9, 10, 11, 12, 13, 63, 65	1.97



# Audio Connectors, Adapter Kit

## CANNON XLR AUDIO CONNECTORS



Audio connectors with clamp and resilient socket insulator. Minimize mechanical interference and reduce noise. Feature satin-nickel finish, integral cable clamp, neoprene cable relief and push-action latchlock. First number in Type column indicates number of contacts. -2G in Type No. indicates 2 gang, 3-contact types rated at 15 amps; 4-contact types rated at 10 amps. \*Wall-type receptacles; †panel-type receptacles. †Indicates steel shell, others are die-cast zinc. Av. shpg. wt., 4 oz.

### STRAIGHT CORD PLUGS

Stock No.	Mfr's Type	Fig.	Description	1-9 EA.	10-49 EA.
47 C 0790	XLR-3-11C	A	Female (socket insert)	1.42	1.30
47 C 1212	XLR-4-11C	A	Female (socket insert)	1.90	1.65
47 C 0982	XLR-3-11SC†	A	Female (socket insert)	4.94	4.62
47 C 0984	XLR-4-11SC†	A	Female (socket insert)	4.62	4.24
47 C 0791	XLR-3-12C	B	Male (pin insert)	1.24	1.13
47 C 1213	XLR-4-12C	B	Male (pin insert)	1.32	1.21
47 C 0985	XLR-3-12SC†	B	Male (pin insert)	3.48	3.32
47 C 0986	XLR-4-12SC†	B	Male (pin insert)	3.73	3.42

### WALL AND PANEL RECEPTACES

47 C	Fig.	Mfr's Type	Description	2.04	1.89
47 C 1214	C	XLR-3-13†	Female (socket insert)	2.12	1.95
47 C 1215	C	XLR-4-13†	Female (socket insert)	2.78	2.55
47 C 1216	D	XLR-3-13N†	Female (socket insert)	2.86	2.63
47 C 1217	D	XLR-4-13N†	Female (socket insert)	.91	.84
47 C 1218	E	XLR-3-14*	Male (pin insert)	2.29	2.07
47 C 1219	E	XLR-4-14*	Male (pin insert)	2.43	2.22
47 C 1220	F	XLR-3-14N†	Male (pin insert)	2.12	1.95
47 C 1222	F	XLR-4-14N†	Male (pin insert)	2.19	2.00
47 C 0792	G	XLR-3-31*	Female (socket insert)	1.21	1.11
47 C 1225	G	XLR-4-31*	Female (socket insert)	1.59	1.46
47 C 0793	H	XLR-3-32*	Male (pin insert)	5.24	4.81
47 C 1226	H	XLR-4-32*	Male (pin insert)	9.65	8.84
47 C 0987	J	XLR-3-35C*	Female (socket insert)		
47 C 0988	K	XLR-3-35-2C*	Female (socket insert)		

## G-C ELECTROCRRAFT SOLDERLESS PHONO PLUGS



Handy right-angle design for fast, positive connections. Plastic shells. For std. shielded cable with 3/16" O.D. Overall length, 1 1/2". Pin dia., 1/8". Wt., 2 oz.

Stock No.	Mfr's Type	Shell Color	EACH	
			1-9	10-99
47 C 6117	33-776	Gray	.31	.28
47 C 6118	33-778	Black	.31	.28
47 C 6119	33-780	Red	.31	.28

## PERMONITE PHONO PIN PLUG AND JACK



Standard phono pin plug and jack used in most hi-fi equipment. Take single conductor shielded cable. Av. shpg. wt., 2 oz. 10 per pkg.  
 47 C 6057. Pin Plug MP-101B..... Per Pkg. .31  
 47 C 6058. Pin Jack FS-101..... Per Pkg. .43

## SWITCHCRAFT HANDY ADAPTER KIT



Type 331A. 11 audio adapters, 1 cable in plastic box. One each: 25AF25, 36" shielded cable with phono plug each end; 25Y mike connector Y-adapter; 330F1, Fig. JJ at right; 332A, Fig. M at right; 334A, Fig. N at right; 336A, Fig. Y at right; 336B, phone jack input to phono jack output; 345, phono jack input to phone plug output; Two each: Type 44 adapter, make mike input to phone plug output; Type 349 coupler, phono jacks at each end.

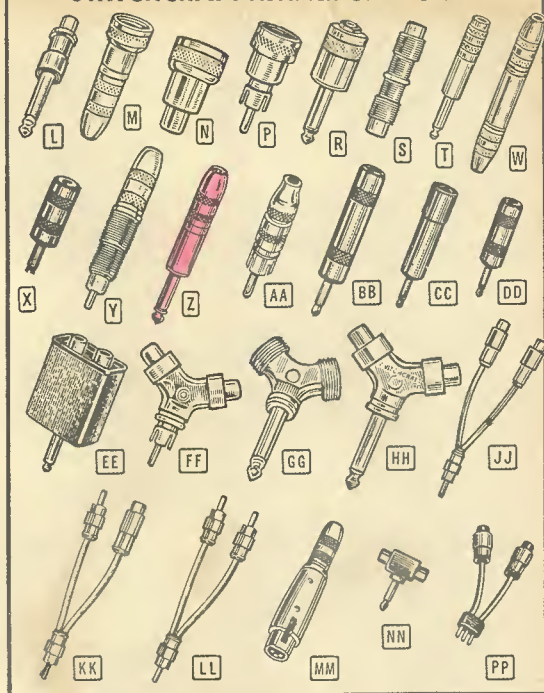
47 C 4906. Shpg. wt., 1 lb. .... 9.60

## SWITCHCRAFT AUDIO CONNECTOR



Type 384. Adapts standard 2-conductor phone plug (Switchcraft Nos. 240 and 250) to equipment using a 3-contact audio receptacle. (Switchcraft Nos. A3F, C3F, D3F, Cannon XLR-3-11C, XLR-3-13C, etc.) Has electrically integral ground terminal, "captive design" insert screw. Wt., 4 oz.  
 47 C 1490..... 2.55

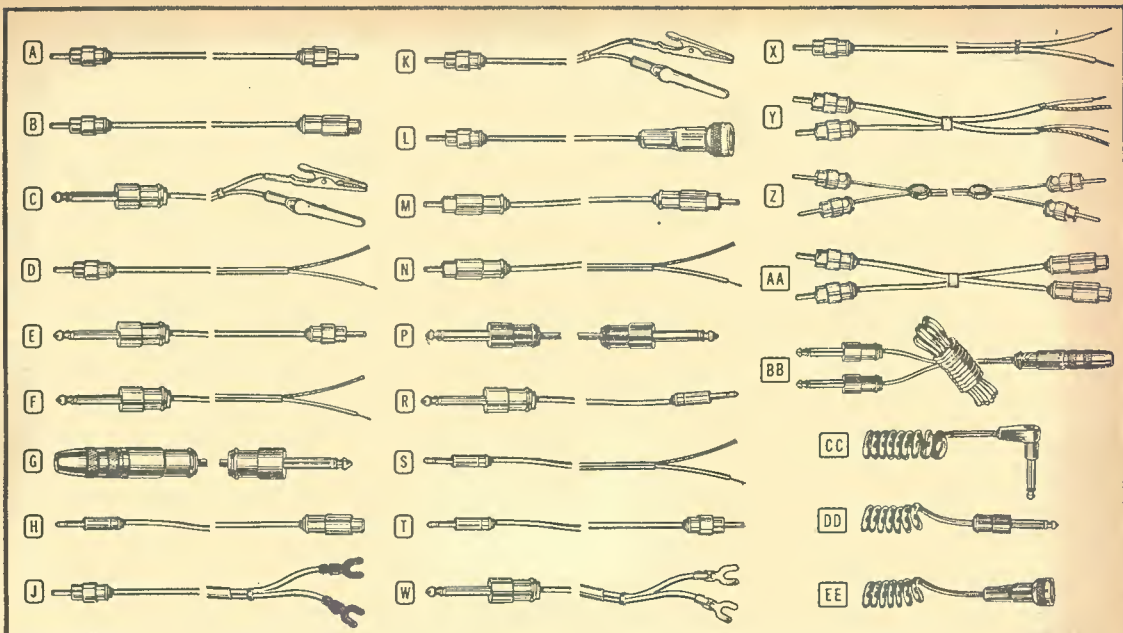
## SWITCHCRAFT ADAPTER CONNECTORS



Provide quick, sure interconnection of audio equipment whose existing connectors do not mate. Positive mating contacts prevent resistive line losses. All are shielded to assure reduction of hum. Types 332A, 334A, 338B may be used with either male or female types—coupling ring is removable. Nos. 369, 374, 375, 376, 377 have shielded, nickel-plated brass handles. No. 378 for two separate earphones. Av. wt., 6 oz.

Stock No.	Type	Fig.	Description	EA.
47 C 0382	345A	L	Phone plug out; phono jack in.	.87
47 C 1768	332A	M	2-cond. phono jack input to female or male mike output; main body 1/2".	1.17
47 C 1769	334A	N	Phono jack input to female microphone connector output.	.96
47 C 1795	338B	P	Phono plug to mike connector.	.84
47 C 0940	364A	R	2-cond. "tini-jack" input; standard phone plug out.	1.05
47 C 1774	349A	S	Phono jack coupler mates with phono plug at each end; gray plastic.	.75
47 C 1779	369	T	Std. 2-cond. phone plug to 2-cond. short extension jack (used on late models Revere and Wollensak recorders).	1.35
47 C 0938	361	W	2-cond. phone jack coupler mates with phone plug at each end.	1.50
47 C 1799	377	X	"Micro-jax" input to 2-cond. "tini-plug".	1.05
47 C 1772	336A	Y	2-conductor phone jack input to phono plug output; main body 1/2".	1.17
47 C 1618	352	Z	3-cond. phone jack to 2-cond. phone plug output.	1.35
47 C 1619	365	AA	2-cond. "tini-jack" input to standard phone plug output.	1.05
47 C 1789	374	BB	Phone jack to 2-cond. "tini-plug".	1.17
47 C 1788	370	CC	Phono jack to 2-cond. "tini-plug".	.84
47 C 1797	375	CC	Phono jack to 2-cond. "micro-plug".	1.05
47 C 1798	376	DD	Tini-jax input to 2-cond. micro-plug.	1.05
47 C 1721	353	EE	Adapter for using 2 stereo headsets from single 3-cond. jack; 3-cond. phone plug to two 3-cond. phone jacks.	2.85
47 C 0939	340	EE	2 std. phone jack inputs paralleled to 2-cond. phone plug output.	2.40
47 C 1764	330F	FF	2 phono jacks connected in parallel to standard phone plug.	1.17
47 C 1994	330M	GG	Y-adapter, 2 male mike connectors to standard 2-cond. phone plug.	1.35
47 C 1229	330PJ	HH	Y-adapter; standard phone plug to 2 phono jacks.	1.35
47 C 1686	330F1	JJ	Flexible Y-connector; 2 phono jacks to std. phono plug. Shielded. 4"	1.35
47 C 1699	330F2	KK	Same as above, but phono plug and phono jack to phono plug.	1.35
47 C 1722	330F3	LL	Same as above two types, but 1 phono plug to two phono plugs.	1.35
47 C 1733	383	MM	3-pins switchcraft A3F female microphone input to 2-cond. Ext. Phone jack output.	1.44
47 C 1732	378	NN	"Tini-Tee" Adapter. 2-cond. "Tini-Jax" input to two 2-cond. "Tini-Jax" outputs.	2.85
47 C 1734	330B	PP	Adapts Lear Jet Model HSA-900 tape recorder to RCA, or units with a 3 contact in-line socket assembly.	1.50

# Switchcraft Audio Connectors and Molded Cables



## AUDIO CONNECTORS AND MOLDED CABLE ASSEMBLIES

Feature highest quality wire, soldered connections. Plugs are molded directly to various cable combinations . . . ensures protection against moisture, minimizes noise, virtually eliminates short-circuits, and provides positive electrical connections. Built-in cable clamps support cable and eliminate strain on plugs. Plugs and jacks are molded of unbreakable Tenite for long-life and rugged use. In table below, standard phone plugs have 1/4" diameter sleeve; handles designed to "mate" with jacks even when jacks are recessed below panel surface. Tiny plugs (Series 40DF,

DK, and DN) are 1/8" standard size to be used with late-model recording equipment, pocket radios, etc. Series 25FF, FK, and FN are special stereo cable assemblies providing two completely isolated channels, with color-coded insulated cables inside a chromi- gray plastic jacket, separate plugs for easy connections regardless of jack spacing. Type 05FH81 (Fig. BB) adapts 3-cond. plugs on stereo headphones to 2 separate 2-cond. jacks used on most stereo recorders. Wires are shielded or unshielded as indicated. Av. shpg. wt., 6 oz.

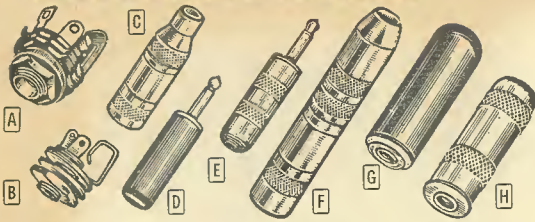
Stock No.	Mfr's Type	Fig.	Feet	Description	EACH
47 C 1509	25AC25	A	1 1/2	Straight Phono Plug	.69
47 C 1510	25AF25	A	3	at each end of Gray	.78
47 C 1512	25AK25	A	6	Shielded Cable.	.99
47 C 1538	25AN25	A	10		1.32
47 C 1541	25AF82	B	3	Straight Phono Plug to	.90
47 C 1542	25AK82	B	6	Phono Extension Jack;	1.17
47 C 1543	25AN82	B	10	Gray Shielded Cable.	1.32
47 C 1578	05CK86	C	6	Straight Phone Plug to	1.26
47 C 1544	05CN86	C	10	Alligator Clips; Gray	1.59
47 C 1547	05CT86	C	20	Parallel Cable; Unshielded	1.98
47 C 1548	25AF84	D	3	Straight Phono Plug to	.63
47 C 1549	25AK84	D	6	Stripped and Tinned Ends;	.75
47 C 1550	25AN84	D	10	Gray Shielded Cable.	1.08
47 C 1551	05AK25	E	6	Straight Phone Plug to	1.32
47 C 1552	05AN25	E	10	Straight Phone Plug;	1.80
47 C 1570	05AR25	E	15	Gray Shielded Cable.	1.98
47 C 1600	05AK84	F	6	Straight Phone Plug to	1.17
47 C 1601	05AN84	F	10	Stripped and Tinned	1.50
47 C 1602	05AR84	F	15	Ends; Gray Shielded Cable.	1.80
47 C 1596	10BK81	G	6	Straight 3-Cond. Phone	3.18
47 C 1597	10BN81	G	10	Plug to Straight 3-Cond.	3.96
47 C 1598	10BU81	G	15	Extension Jack. Gray	5.79
47 C 1605	05AK80	G	6	Straight 2-Cond. Phone	1.71
47 C 1615	05AN80	G	10	Plug to Straight 2-Cond.	2.31
47 C 1620	05AR80	G	15	Extension Jack. Gray	2.64
47 C 1622	40DF82	H	3	Straight Tiny Plug to	1.32
47 C 1623	40DK82	H	6	Phono Extension Jack; 2-	1.65
47 C 1624	40DN82	H	10	Cond. Shielded Cable.	1.77
47 C 1626	25CN85	J	10	Straight Phono Plug to	.99
47 C 1726	25CT85	J	20	Spade Lugs; Gray Parallel	1.29
47 C 2443	25CK86	K	6	Straight Phono Plug to	1.17
47 C 1627	25CN86	K	10	Alligator Clips; Gray Par-	1.50
47 C 1628	25CT86	K	25	allel Cable; Unshielded.	1.71
47 C 1629	25AK87	L	6	Straight Phono Plug to	1.62
				Microphone Conn. 2501F;	
				Gray Shielded Cable.	
47 C 1632	26AR26	M	15	Straight Phono Plug with	1.71
				Long Handle on Each End;	
				Gray Shielded Cable.	
47 C 1632	25AR84	N	15	Straight Phono Plug to	1.50
				Stripped and Tinned Ends;	
				Gray Shielded Cable.	
47 C 1638	05AK05	P	6	Straight 2-Cond. Phone	1.71
47 C 1633	05AN05	P	10	Plug at Each End; Gray	2.31
47 C 1727	05AU05	P	25	Shielded Cable.	3.06
47 C 1593	10BK10	P	6	Straight 3-Cond. Phone	3.18
47 C 1594	10BN10	P	10	Plug at Each End; Gray	3.96
47 C 1595	10BU10	P	25	Shielded Cable	5.79

Stock No.	Mfr's Type	Fig.	Feet	Description	EACH
47 C 1634	40DF05	R	3	Straight Tiny Plug to	1.50
47 C 1637	40DK05	R	6	Straight Phone Plug; 2-	1.80
47 C 1639	40DN05	R	10	Cond. Shielded Cable.	2.00
47 C 1645	40DF84	S	3	Straight Tiny Plug to	1.17
47 C 1646	40DK84	S	6	Stripped and Tinned Ends;	1.32
47 C 1647	40DN84	S	10	2-Cond. Shielded Cable.	1.65
47 C 1648	40DF25	T	3	Straight Tiny Plug to	1.38
47 C 1655	40DK25	T	6	Straight Phone Plug; 2-	1.65
47 C 1675	40DN25	T	10	Cond. Shielded Cable.	1.95
47 C 1683	05CT85	W	20	Straight Phone Plug to	1.56
				Spade Lugs; Gray Parallel	
				Cable, Unshielded.	
47 C 1685	25CN84	X	10	Straight Phono Plug to	.93
47 C 1728	25CT84	X	20	Stripped and Tinned Ends;	1.20
				Parallel Cable; Unshielded.	
47 C 1497	25FF84	Y	3	Two Straight Phono Plugs	1.92
47 C 1498	25FK84	Y	6	on One End to Stripped	2.16
47 C 1499	25FN84	Y	10	and Tinned Leads; Gray	2.49
				Shielded Stereo Cable.	
47 C 1494	25FF25	Z	3	Two Straight Phono Plugs	2.16
47 C 1495	25FK25	Z	6	at Each End; Gray Parallel	2.49
47 C 1496	25FN25	Z	10	Shielded Stereo Cable.	2.97
47 C 1723	25FF82	AA	3	Two Straight Phono Plugs	2.13
47 C 1724	25FK82	AA	6	on 1 End to Two Straight	2.43
47 C 1725	25FN82	AA	10	Phono Exten. Jacks; Gray	2.85
				Shielded Stereo Cable.	
47 C 1531	05FH81	BB	4	Two 2-Cond. Phone Plugs	2.88
47 C 2445	25FH81	BB	4	on One End to 3-Cond.	2.34
				Phone Extension Jack.	
				Shielded Gray Stereo	
				Cable. Color-Coded.	
47 C 1505	15L1H84	CC	4	Right Angle Phone Plug to	2.16
				Stripped and Tinned Ends;	
				Shielded Coiled Cord.	
47 C 1504	05L1H84	DD	4	Straight Phone Plug to	2.16
				Stripped and Tinned Ends;	
				Shielded Coiled Cord.	
47 C 1506	87L1H84	EE	4	Type 2501F Connector to	2.22
				Stripped and Tinned Ends;	
				Shielded Coiled Cord.	
47 C 1532	05LP05	DD/DD	12	Straight Phone Plug at	4.95
47 C 1535	05LT05	DD/DD	20	Each End. Shielded Coiled	6.93
				Cord.	
47 C 1533	05LP15	DD/CC	12	Straight Phone Plug to	4.95
47 C 1536	05LT15	DD/CC	20	Right Angle Phone Plug;	6.93
				Shielded Coiled Cord.	
47 C 1534	05LP87	DD/EE	12	Straight Phone Plug to	5.04
47 C 1537	05LT87	DD/EE	20	Type 2501F Connector;	7.02
				Shielded Coiled Cord.	

Depend on Allied for Complete Stocks, Low Prices, Friendly Service

ALLIED 361





### "LITTEL-JAX" PHONE JACKS

A Take standard 1/4" phone plugs, except S-11, which takes S250, S280 and 385 plugs, and C-12B which takes 480 Military-type, "Littel-Plug" 3/8" dia., 1 1/2" overall, with a 3/8" dia. threaded shank, 1/2" long. L-11 and L-12A have bushing 3/8" long. SCC indicates single closed circuit; OC indicates open circuit. Av. shgp. wt., 3 oz.

Stock No.	Type	Diag.	Cond.	Circuit	JAN Type	EACH
47 C 4955	11	I	2	OC	.....	.27
47 C 4957	C-11	I	2	OC	JJ-034	.39
47 C 4959	L-11	I	2	OC	.....	.33
47 C 4961	S-11	I	2	OC	.....	.30
47 C 4963	12A	II	2	SCC	.....	.30
47 C 4965	C-12A	II	2	SCC	JJ-089	.48
47 C 4967	L-12A	II	2	SCC	.....	.36
47 C 4969	12B	III	3	OC	.....	.36
47 C 4971	C-12B	III	3	OC	JJ-033	.48
47 C 4973	13B	IV	3	SCC	.....	.51

### "TINI-JAX" SUBMINIATURE PHONE JACKS

B Extra-small 2-conductor jacks for "Tini-Plugs." 1/8" long; fit 1/4" hole. OC, open circuit; CC, closed circuit. Av. shgp. wt., 2 oz.

Stock No.	Type	Diag.	Cond.	Circuit	EACH
47 C 4983	41	I	2	OC	.27
47 C 4985	42A	II	2	CC	.30

### JACK SCHEMATIC DIAGRAMS



C Type 125 "Tini-Extension Jax." Two-conductor; solder lug terminals. Mates with "Tini-Plugs," below. Wt., 2 oz.  
47 C 1472..... Each .81

### "TINI-PLUGS" SUBMINIATURE PHONE PLUGS

For use with "Tini-Jax." 1 1/8" overall length. 2-conductor. Wt., 2 oz.

Stock No.	Type	Fig.	Term.	Handle	EACH
47 C 1518	740	D	Screw	Black	.51
47 C 1519	745	D	Screw	Red	.51
47 C 1520	750	D	Solder	Black	.48
47 C 1521	755	D	Solder	Red	.48
47 C 1522	770	E	Screw	Shielded	.69
47 C 1523	780	E	Solder	Shielded	.66

### "EXTENSION JAX" CABLE EXTENSION JACKS

Fit standard 1/4" plugs. 1 1/8" O.D.; 2 1/2" long. 121 and 131 1/2" O.D.; 2 1/2" long. All are open circuit type. Shgp. wt., 3 oz.

Stock No.	Type	Fig.	Cond.	Term.	Handle	EACH
47 C 1473	121	F	2	Solder	Shielded	1.08
47 C 1474	131	F	3	Solder	Shielded	1.35
47 C 1571	80	G	2	Screw	Black	.75
47 C 1718	88	C	2	Solder	Black	.66
47 C 2971	830	C	3	Screw	Black	1.02
47 C 1572	120	H	2	Screw	Shielded	1.02
47 C 1717	1230	H	3	Screw	Shielded	1.32

### ULTRAMINIATURE PLUGS AND JACK

J TR Series "Micro-Plugs." Handy ultraminiature plugs and jack featuring same uniformity, dependability and quality construction as famous "Littel-Plugs" and "Tini-Plugs." Extremely small, only 1 1/8" long; 1/4" O.D. — 1/3 the size of standard plugs! Have nylon insulation between tip and sleeve circuits; sleeve terminal is tinned brass. Tip and sleeve are nickel-plated machined brass. All have sleeve circuit cable clamp; accommodate cables to 1/4" dia. With screw-on anodized aluminum handle. Shgp. wt. 2 oz.

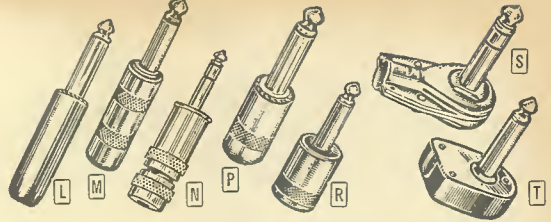
47 C 2554, Type 850. Black Handle..... Each .45  
47 C 2555, Type 855. Red Handle..... Each .45  
47 C 2556, Type 880. Natural Handle..... Each .45

K TR-2A "Micro-Jax." For "Micro-Plugs." 2 cond. sgl. closed circuit; also usable as 2 cond. open circuit. Requires .190" mounting hole. Fits panels up to 3/32" thick. Shgp. wt., 2 oz.  
47 C 4995..... Each .30

### THICK-PANEL PHONE JACKS

Have extra long bushings for use in panels up to 1 1/4" thick. Ideal for wall paneling, hi-fi installations, etc. Shielded for microphone use. Require 1/4" mounting hole. Wt., 2 oz.

47 C 4908, Type 151. 2 Conductor..... Each .90  
47 C 4912, Type 152B. 3 Conductor..... Each .99



### "LITTEL-PLUG" PHONE PLUGS

Small-size phone plugs; fit standard 1/4" phone jacks, except Types S250 and S280. .206" sleeve for S-11 "Littel Jax" and for Bell & Howell equipment; Type R280 which has short sleeve for Revere recorders. Plugs with solder terminals feature built-in cable clamp; others do not include cable clamp. Metal (shielded) handles are nickel-plated brass; for use in microphone or other input leads as well as outputs requiring continuous shield. All handles are 1 1/16" long and 1/2" in diameter. Av. shgp. wt., 4 oz.

Stock No.	Type	Fig.	Cond.	Color	Terminals	EACH
47 C 1553	240	L	2	Black	Screw	.51
47 C 1554	245	L	2	Red	Screw	.51
47 C 1611	250	L	2	Black	Solder	.48
47 C 1614	S250	L	2	Black	Solder	.51
47 C 1612	255	L	2	Red	Solder	.48
47 C 1555	260	L	3	Black	Screw	.81
47 C 1616	267	L	3	Black	Solder	.72
47 C 1573	270	M	2	Metal	Screw	.72
47 C 1613	280	M	2	Metal	Solder	.69
47 C 1556	R280	M	2	Metal	Solder	.90
47 C 1719	S280	M	2	Metal	Solder	.69
47 C 2967	290	M	3	Metal	Screw	.96
47 C 1617	297	M	3	Metal	Solder	.90

### STANDARD PHONE PLUGS

Standard-size 1/4" 2- and 3-conductor type phone plugs to fit all standard jacks. Metal (shielded), red or black molded bakelite handles; 2 1/8" long, 3/4" diameter, except \*1" long. Type 170 is similar to 70, but has 2-piece handle with cable clamp for 1/4" cable. No. 190A is similar to 90, but has same handle as 170. Metal (shielded) handle types are for use in microphone or input cables and wherever continuous shielding is required. Av. shgp. wt., 5 oz.

Stock No.	Type	Fig.	Cond.	Color	Terminals	EACH
47 C 1557	40	L	2	Black	Screw	.51
47 C 1447	45	L	2	Red	Screw	.51
47 C 1558	60	L	3	Black	Solder	.69
47 C 1559	70	M	2	Metal	Screw	.84
47 C 1562	170	N	2	Metal	Screw	1.11
47 C 1563	190A	N	3	Metal	Solder	1.32
47 C 1560	90*	R	3	Metal	Solder	.90
47 C 1561	160*	R	2	Metal	Screw	.66

### "LUG-PLUG" PHONE PLUGS

Low-cost two-conductor, phone plugs. All fit 1/4" jacks. Have solder terminals. Exterior parts bright nickel plated. Black handle is 1 3/8" long, 1/2" diameter. Type 380 has shielded, bare metal handle 1" long, 1/2" diameter. Av. shgp. wt. 4 oz.

Stock No.	Type	Figure	Color	EACH
47 C 1564	350	L	Black	.39
47 C 1566	380	P	Metal	.51

### FLAT PHONE PLUGS

1/4" phone plugs featuring flat, space-saving handles. Ideal for applications where conventional plugs would protrude too far and interfere with operation of equipment, prevent installation in tight quarters, etc. Fig. T units have easily removable plastic handle; Fig. S units have shielded steel handle, bright nickel plated. Types 220 and 225 will accept standard phone tips. Type S230 is commercial version of Military Type PJ-063 plug; has .206" diameter sleeve and tip. Terminals and body are mechanically interlocked. Av. shgp. wt. 4 oz.

Stock No.	Type	Fig.	Cond.	Color	Terminals	EACH
47 C 2969	238	S	3	Metal	Solder	.99
47 C 2968	228	S	2	Metal	Solder	.66
47 C 1621	220	T	2	Black	Screw	.75
47 C 1567	225	T	2	Red	Screw	.75
47 C 1502	227	T	2	Black	Solder	.60
47 C 1568	230	T	3	Black	Screw	.93
47 C 1569	235	T	3	Black	Screw	.93
47 C 1503	237	T	3	Black	Solder	.90
47 C 2970	S230	T	3	Black	Solder	1.20



### STEREO "LITTEL-JAX"

Three-conductor jack for switching-out speakers when connecting stereo headphones and for switching three-wire stereo input circuits.

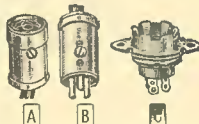
Mates with Switchcraft 1/4" "Littel-Plugs" such as 260, 267, 269 and 297. Insulation XXP phenolic. Spring-tempered nickel-silver alloy. Integral contacts standard in the separate switching circuits. Nickel-plated brass bushing mounts in 3/8" dia. hole. Length behind panel, 1". With locknut and washer. Shgp. wt., 3 oz.  
47 C 4924, Type 14B..... Each .63

# Connectors, Jacks and Plugs

## AMPHENOL CONNECTORS

### SERIES 78 AND 91 MINIATURE CABLE CONNECTORS

Compact connectors for shielded or unshielded cables. Polarized contacts prevent incorrect insertion. For cables up to 1/4" dia. Last letter in Type No. indicates: L, long (1 1/2"); S, short (1 1/4"). Last fig. in Type No. denotes no. of contacts. PCG—chassis type. Figs. A and C are female types; Fig. B, male type. Av. shpg. wt., 2 oz.



Stock No.	Type	Fig.	EA.	Stock No.	Type	Fig.	EA.
47 C 0320	91-MPF3L	A	.47	47 C 0574	91-MPM4S	B	.39
47 C 0571	91-MPF3S	A	.41	47 C 0570	91-MPM5L	B	.44
47 C 0321	91-MPF4L	A	.46	47 C 0328	91-MPM6L	B	.47
47 C 0572	91-MPF4S	A	.49	47 C 0330	78-PCG3	C	.31
47 C 0325	91-MPM3L	B	.42	47 C 0331	78-PCG4	C	.35
47 C 0573	91-MPM3S	B	.37	47 C 0332	78-PCG5	C	.39
47 C 0326	91-MPM4L	B	.43	47 C 0333	78-PCG6	C	.40

### SERIES 143 PRINTED-CIRCUIT RECEPTACLES

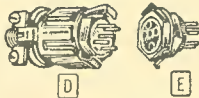
For PC networks. Mate with standard .055" to .073" PC board. "Circle Lip" contact entrance ensures firm contact with varying thicknesses of board; will not set. Diallyl phthalate dielectric; nontarnishing gold-plated contacts. Contacts on .156" centers. Maximum card insertion length is 1.097" for 143-006; 3.597" for 143-022. Average breakdown voltage: 5400 volts DC at sea level; 1150 volts DC at 60,000 feet. All are rated at 5 amps. \*Polarizing key. Av. wt., 3 oz.



Stock No.	Type 143-	Con-tacts	EACH	Stock No.	Type 143-	Con-tacts	EACH
47 C 1090	006-01	6	1.04	47 C 0501	018-01	18	1.44
47 C 0503	010-01	10	1.16	47 C 0502	022-01	22	1.68
47 C 2675	012-01	12	1.21	47 C 2676	953	*	.02
47 C 0500	015-01	15	1.25				

### MINIATURE RACK PANEL AND CABLE CONNECTORS

Molded of diallyl phthalate dielectric material. Solder contacts gold finished over silver plating. Fig. E is hex nut type with threaded body for direct mounting to panel. Has locking clip for mating with Fig. D, hood and cable-clamp type. Fig. D is two-piece for easy wiring, has cable clamp for strain relief of soldered connections. Locking ring engages locking clip on mating unit. Both Fig. D and Fig. E available with either socket or pin contacts. Voltage breakdown, 2000 volts rms 60 Hz at sea level. Current rating, 7.5 amps. Diameter of locking clip type, 3/4"; hood and clamp type, 3/4". Length of cable-clamp type 1 1/4". \*Female version of Fig. D; female version of Fig. E, 5 oz.



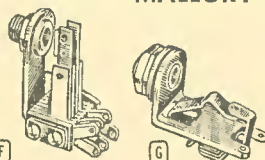
MALE CONNECTORS									
Stock No.	Mfr's Type	Con-tacts	Fig.	EA.	Stock No.	Mfr's Type	Con-tacts	Fig.	EA.
47 C 0644	126-217	5	D	1.40	47 C 0638	126-216	5	†	.67
47 C 0646	126-195	7	D	1.54	47 C 0640	126-197	7	†	.80
47 C 0648	126-220	9	D	1.66	47 C 0642	126-219	9	†	.92

### FEMALE CONNECTORS

47 C 0645	126-223	5	*	1.81	47 C 0639	126-218	5	E	1.08
47 C 0647	126-196	7	*	2.09	47 C 0641	126-198	7	E	1.35
47 C 0649	126-222	9	*	2.39	47 C 0643	126-221	9	E	1.66

### JUNIOR PHONE JACKS

F Compact jacks for standard 1/4" phone plugs. Require only 1 1/8" behind panel. Cadmium-plated frames; nickel-plated brass shank, springs, mtg. hardware. 3/8" dia. threaded shank for panels 1/2" thick. Silver contacts. \*Conductors in mating plug. Wt., 3 oz.



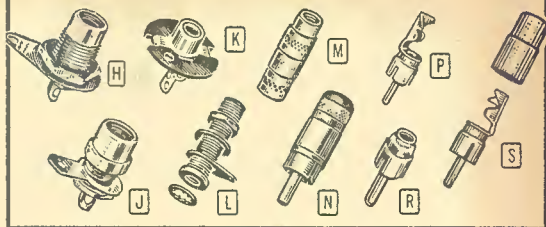
Stock No.	Mfr's Type	*Cond.	Circuit	Diagram	1-9	10-49	EACH
47 C 1054	701	2	Open	I	.45	.40	
47 C 1751	702A	2	Closed	II	.57	.51	
47 C 1058	702B	3	Open	III	.57	.51	
47 C 1059	703B	3	Closed-Transfer 1	IV	.60	.54	
47 C 1060	704B	3	Closed-Transfer 2	V	.69	.62	

### MIDGET AND INFANT PHONE JACKS

G Extremely small "Midget" and "Infant" type jacks for limited-space applications. All take 1/4" phone plugs. "Midget" type jacks require only 1 1/8" mounting space behind panel; "Infant" type requires only 3/8" behind panel. Cadmium-plated steel frames with nickel-plated brass shank, springs, and mounting hardware. 3/8" threaded shank for mounting in panels up to 1/2" thick. \*Conductors in mating plug. All are "Midget" type except A-I "Infant" type jack (not illustrated). Av. shpg. wt., 2 oz.

Stock No.	Mfr's Type	*Cond.	Circuit	Diagram	1-9	10-49	EACH
47 C 1050	A-1	2	Open	I	.33	.30	
47 C 1051	A-2	2	Shorting	VI	.48	.43	
47 C 1053	A-2A	2	Closed	II	.57	.51	
47 C 1056	A-3A	2	Closed-Transfer 1	VII	.66	.59	

## SWITCHCRAFT JACKS AND PLUGS



Easy-to-install phonograph jacks, phono pin plugs, and extensions. 3 oz.

Stock No.	Mfr's Type	Fig.	Description	EACH
47 C 4900	3501FR	H	Jack, rear-panel mtg. 3/16" mtg. hole	.27
47 C 4902	3501FP	J	Jack, front-panel mtg. 1/4" dia.	.21
47 C 1574	3501F	K	Plug, shielded, 1 1/2" O.D. easy-grip handle	.09
47 C 4904	371	L	Adapter to mount 3501FP in panels up to 1 1/2" thick	.75
47 C 1778	3503	M	Extension jack, shielded. Removable 1 1/2" O.D. shell w/cable clamp	.39
47 C 1762	3502	N	Plug, shielded, 1 1/2" O.D. easy-grip handle	.30
47 C 1763	3501MC	P	Plug, unshielded, 3/4" O.D. shell, cable clamp	.09
47 C 1599	3501M	R	Plug for 3501F, 3501FP, 3501FR, 3503	.06
47 C 1575	3508-1	S	Phono plug, red handle	.15
47 C 1576	3508-2	S	Phono plug, black handle	.15
47 C 1577	3508-5	S	Phono plug, white handle	.15

### MINI-CON MINIATURE MICROPHONE CONNECTORS

About one-half size of standard mike connectors. For use with single-conductor shielded cables to 3/8" O.D. Nickel-plated brass bodies. Coupling ring on 5501F removable for quick change of female to male type. Cable-braid spring clamped to body by hollow set screw. 5501MP mounts in 3/16" hole. Av. shpg. wt., 2 oz.



Stock No.	Type	Fig.	Desc.	EACH
47 C 4920	5501F	T	Female	.39
47 C 4925	5501M	W	Male	.30
47 C 4927	5501MP	X	Male	.24

### H. H. SMITH MOTOROLA AND RCA-TYPE PLUGS, JACKS

Fig. Y. Antenna lead-in to connect auto antenna lead-in to radio. Pin dia. 1/8". Fig. Z. Jack to mate with Fig. Y. Plug, 1/16" mtg. ctrs. Fig. AA. Jacks to mate RCA-type phono plugs. 1 1/2 x 1" size.



Stock No.	Mfr's Type	Fig.	Description	PER PKG. OF 5	
				EACH	2-9
47 C 1135	1200	Y	Motorola-Type Plug	.53	.50
47 C 1137	1207	Z	Motorola-Type Jack	.90	.80
47 C 1138	1214	AA	Double Phono Jack	.50	.45

## MALLORY PHONE JACKS

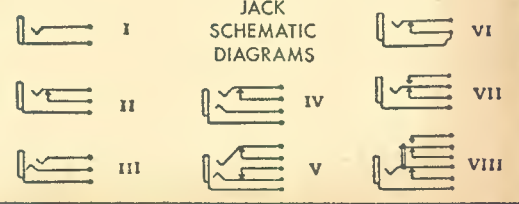
### LONG-FRAME PHONE JACKS

Industrial-type jacks are ideal for headphones, microphone cord and plug connections, etc. Take standard 1/4" phone plugs. Mount in 3/8" dia. hole in panels up to 1/2" thick by means of a 3/8" threaded shank. Cadmium-plated frames; bushings and springs are nickel plated. Silver contacts for low contact resistance. Size, 3 1/2 x 1 1/8 x 3/8" wide. \*Indicates number of conductors in mating plug. Av. shpg. wt., 4 oz.



Stock No.	Mfr's Type	*Cond.	Circuit	Diagram	1-9	10-49	EACH
47 C 1745	1	2	Open	I	.45	.40	
47 C 1746	2	2	Shorting	VI	.57	.51	
47 C 1747	2A	2	Closed	II	.57	.51	
47 C 1055	5	2	Closed & Transfer	VIII	.90	.81	

### JACK SCHEMATIC DIAGRAMS





# Binding Posts, Plugs and Jacks

H. H. SMITH

## 5-WAY AND MULTI-PURPOSE BINDING POSTS



**A** Type 208. Five-way metal binding post. Accepts banana plug, phone tip, spade lug, alligator clip or wire strand. Mounts in .171" hole in panels from  $\frac{1}{16}$ " to  $\frac{3}{8}$ " thick. Body: brass, nickel-plated. Head: captive, hex brass nickel-plated. Has wrap-around solder stud. With 2 mounting nuts. Shpg. wt., 3 oz.

**B** Type 224 BB. Dual 5-way binding post assembly with black, insulated fluted heads. Accepts single or dual banana plugs. Mounts in two  $\frac{1}{8}$ " holes on  $\frac{3}{4}$ " mounting centers in panels up to  $\frac{1}{4}$ " thick. Has solder stud,  $\frac{3}{4} \times \frac{1}{2}$ " base. Body: brass, nickel-plated. With 4 mtg. nuts. Wt., 4 oz.

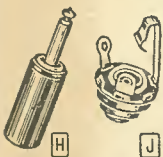
**B** Type 269BB. Similar to Type 224, above, but has black hex-grip insulated heads. Shpg. wt. 4 oz.

**B** Type 110. Brass, for heavy-duty use.  $2\frac{1}{2}$ " long.  $\frac{3}{16}$ " mounting hole. Rated at 50 amps, 60 Hz AC. Shpg. wt., 2 oz.

Stock No.	Type	Fig.	Mounting	Length	Color	EACH
47 C 1368	257**†‡	C	$\frac{1}{2}$ "	$1\frac{3}{8}$ "	Red	.40
47 C 1367	257**†‡	D	$\frac{1}{2}$ "	$1\frac{3}{8}$ "	Black	.40
47 C 1335	220††	D	$1\frac{1}{2}$ "	$1\frac{1}{2}$ "	Black	.22
47 C 1388	260††	E	$\frac{3}{16}$ "	$1\frac{1}{16}$ "	Red	.40
47 C 1389	260††	E	$\frac{3}{16}$ "	$1\frac{1}{16}$ "	Black	.40
47 C 1394	377†‡	F	$1\frac{1}{4}$ "	$1\frac{3}{8}$ "	Red	.35
47 C 1395	377†‡	F	$1\frac{1}{4}$ "	$1\frac{3}{8}$ "	Black	.35
47 C 1397	378†‡	F	$2\frac{3}{8}$ "	$1\frac{3}{8}$ "	Red	.35
47 C 1398	378†‡	F	$2\frac{3}{8}$ "	$1\frac{3}{8}$ "	Black	.35

**G** Type 110. Brass, for heavy-duty use.  $2\frac{1}{2}$ " long.  $\frac{3}{16}$ " mounting hole. Rated at 50 amps, 60 Hz AC. Shpg. wt., 2 oz.

## STANDARD $\frac{1}{4}$ " PHONE PLUGS AND JACK



2-conductor phone plugs and jack. Plugs have screw-type terminals and are available with either red or black break-resistant Tenite plastic handles; all metal parts, except screws, have nickel plating. Terminals, insulation, plus body and tip rod are mechanically interlocked to prevent turning. Overall length,  $2\frac{7}{8}$ ". Open circuit, 2-conductor jack has  $\frac{3}{8}$ " diameter threaded shank  $\frac{3}{8}$ " long; requires only 1" behind panel. Interlocked for dependable operation. Av. shpg. wt., 3 oz.

Stock No.	Type	Fig.	Description	EACH
47 C 1017	222	H	Standard Phone Plug (black)	.46
47 C 1018	222	H	Standard Phone Plug (red)	.46
47 C 1019	275	J	Standard Phone Jack	.24

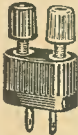
## DOUBLE PLUG



**Type 210.** Dual plug for standard banana jacks. Molded as a unit on  $\frac{3}{4}$ " centers. Jacks in top permit use of units in tandem. Body: molded polystyrene, per Fed. Spec. L-P416, Type I. Brass plug, nickel plated. Accepts phone tips or wire up to #12, held with internal set screw. Polarity indicated on top and side. Has 15-ampere rating. Body size,  $1\frac{1}{2} \times 1\frac{3}{4}$ ". Shpg. wt., 3 oz.

47 C 1792..... Each .72

## SUPERIOR AC 5-WAY BINDING POST



**Type DAP15BWC Dual-Adapter Binding Post.** Facilitates line voltage connections from AC output receptacles to binding posts. Has integral parallel-blade plug. Rated at 15 amps, 125 volts. Brass parts are gold-plated. Accepts spade lugs, banana plugs, clip leads, up to No. 12 wire through .098" dia. holes, or wire wrapped around snafits. Has black body with white and 1 black thumbnut. Shpg. wt., 3 oz.

47 C 1041, 1-9..... Each 1.80 10-99..... Each 1.35

## SUPERIOR HEX-NUT TYPE BINDING POSTS



Exceptionally versatile posts take spade lugs, banana plugs, clip leads, up to No. 12 wire through center hole, or looped and clamped around shaft. All have gold-plated brass current-carrying parts and durable nylon plastic insulator and captive nut except type GP30NC, which is nickel-plated grounding-type binding post. All rated 30 amps at 1000 volts. Mount in  $\frac{1}{2}$ " holes in panels  $\frac{1}{16}$ " to  $\frac{1}{4}$ " thick. Size,  $2\frac{1}{2} \times \frac{1}{2}$ " diameter. With hexagonal thumbnut. Shpg. wt., 2 oz.

Stock No.	Type	Color	Stock No.	Type	Color
47 C 1172	DF30YC	Yellow	47 B 1178	DF30RC	Red
47 C 1173	DF30GNC	Green	47 B 1198	DF30BLC	Blue
47 C 1174	DF30WTC	White	47 B 1000	GP30NC	Nickel
47 C 1177	DF30BTC	Black			

Your Choice..... Each .45

E. F. JOHNSON

**Six-Way Molded Binding Posts.** Silver-plated brass shank. Insulation resistance over 200 megohms. Rated at 15 amps; breakdown, 8000 VDC. Size,  $1\frac{1}{2} \times \frac{3}{4}$ " diameter with  $\frac{3}{16}$ "-32 nut for mounting in  $\frac{3}{4}$ " diameter hole. Available in white, red, black, green, blue, and yellow. Shpg. wt.,  $\frac{1}{2}$  oz.

Stock No.	Type	Color	Stock No.	Type	Color
47 C 6323	111-101	White	47 C 6333	111-110	Green
47 C 6329	111-102	Red	47 C 6290	111-104	Blue
47 C 6332	111-103	Black	47 C 6335	111-107	Yellow

Your Choice..... Each .30

**111-20 Mounting Plate.** Etched aluminum. For mtg. 2 nylon binding posts or banana jacks on  $\frac{3}{4}$ " ctrs.  $1\frac{1}{4} \times \frac{1}{2}$ ". 2 oz.

47 C 6336..... Each .02

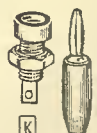


**Solderless Dual Banana Plugs.** Molded body has polarity indication and strain relief hole for wire leads. Shock-resistant insulating body retains strength and low-loss over wide range of temperature and humidity. Plug springs are nickel-silver. Body is nickel-plated, machined brass. Brass studs. Pins have  $\frac{3}{4}$ " spacing. Rated 15 amps; breakdown, 10,000 VDC. Plug-to-plug capacity, 1.3 pF. Overall length,  $1\frac{1}{2}$ ". Shpg. wt., 2 oz.

Stock No.	Type	Color	Stock No.	Type	Color
47 C 6337	108-201	White	47 C 6344	108-204	Green
47 C 6338	108-202	Red	47 C 6291	108-210	Blue
47 C 6339	108-203	Black	47 C 6347	108-207	Yellow

Your Choice..... Each .70

## BANANA JACKS AND PLUGS



**Series 108.** Low-loss body. Capacity to  $\frac{1}{16}$ " metal panel, 2.4 pF. Breakdown test, 10,000 VDC. Jacks (fig. K) have cadmium-plated insert. Supplied with  $\frac{3}{16}$ "-32 nut for mtg. Jack in  $2\frac{1}{4}$ " dia. hole. Plugs (fig. L) have one-piece nickel-plated brass body and pin with nickel-silver springs. Solderless connection takes up to No. 16 stranded wire. Insulating sleeve on plug, 6 colors. Overall lengths: jack,  $1\frac{1}{8}$ "; plug,  $1\frac{1}{8}$ ". Av. shpg. wt., 2 oz.

Color	Stock No.	Type	Fig.	EA.	Stock No.	Type	Fig.	EA.
White	47 C 6371	108-901	K	.10	47 C 6379	108-301	L	.19
Red	47 C 6372	108-902	K	.10	47 C 6380	108-302	L	.19
Black	47 C 6373	108-903	K	.10	47 C 6381	108-303	L	.19
Green	47 C 6374	108-904	K	.10	47 C 6382	108-304	L	.19
Blue	47 C 6297	108-910	K	.10	47 C 6298	108-310	L	.19
Yellow	47 C 6377	108-907	K	.10	47 C 6384	108-307	L	.19

## AMPHENOL MINIATURE AND STANDARD PLUGS

### TYPE 71 MINIATURE HIGH-DIELECTRIC PLUGS



Compact, efficient, high-dielectric plugs. Excellent for transmitters, receiver intercoms and speaker connections. Securely anchored, nickel-plated brass prongs; deeply recessed to prevent shorts caused by pulled back insulation. Easily soldered. For cables with up to six conductors. Contacts are polarized to assure proper connections. Fit Amphenol 78-S3S, 78-S4S, 78-S5S, 78-S6S retainer-ring type miniature sockets listed on page 371. Rated 5 amps @ 500V. Shpg. wt., 2 oz.

Stock No.	Mfr's Type	Prongs	EA.	Stock No.	Mfr's Type	Prongs	EA.
47 C 0177	71-3S	3	.11	47 C 0149	71-5S	5	.15
47 C 0169	71-4S	4	.14	47 C 0179	71-6S	6	.17

### TYPE CP STANDARD BAKELITE PLUGS



Bakelite plugs for chassis connectors with plug-in units. Use adapter plate below for replacement mounting, rms voltage ratings: 86-CP4, 2000 V; CP-11 and CP-12, 500 V; all others, 1250 V. With mounting ring for  $1\frac{1}{16}$ " holes except \*127 $\frac{1}{2}$ " keyed hole. Have guide post and aligning key. CP7L has large pins; CP7S has small. Fit Amphenol MIP standard tube sockets, page 371. Av. wt., 2 oz.

Stock No.	Mfr's Type	Pins	EA.	Stock No.	Mfr's Type	Pins	EA.
47 C 0015	86-CP4	4	.23	47 C 0020	86-CP8†	8	.25
47 C 0016	86-CP5	5	.23	47 C 0021	86-CP9†	9	.26
47 C 0017	86-CP6	6	.25	47 C 0022	86-CP11†	11	.27
47 C 0019	86-CP7S	7	.26	47 C 0254	86-CP12†	12	.28

**Type 12-001-03 Adapter Plate.** Nickel-plated steel. For use with all CP plugs above except 86-CP7L.  $1\frac{1}{2}$ " to  $1\frac{1}{4}$ " mtg. centers. 2 oz.

47 C 0023..... Each .05

## ACI UNIVERSAL "ADLOC" BINDING POST



- "Push" for Quick Positive Lock and Disconnect
- Secure Connections Are Made from the Top

Push down on top, insert wire (up to 12 gauge), release and positive contact is made instantly. To disconnect, just push again. Can take several wires at same time. Also accepts spade lugs, plugs, clamps and prods. Brass nickel-plated post, nylon plastic insulator. Rated 30 amps at 1000 V rms. Mounts in .314" hole in panels  $\frac{1}{2}$ " to  $\frac{1}{4}$ ". Size,  $2\frac{1}{2} \times \frac{3}{8}$ ". Wt., 3 oz.

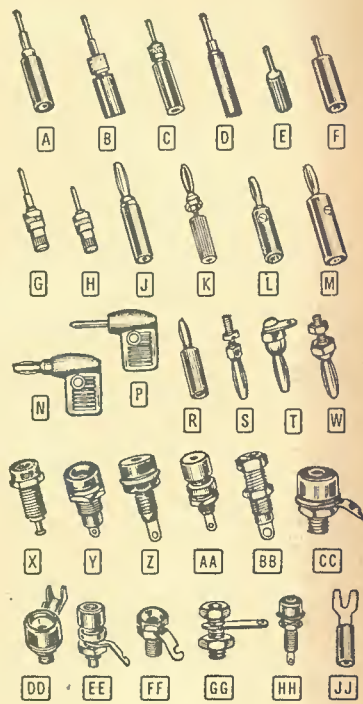
24 C 9025, Type AL2000B.	Black	.....	Each .55
24 C 9026, Type AL2000R.	Red	.....	Each .55

# Plugs, Jacks, Sockets and Connectors

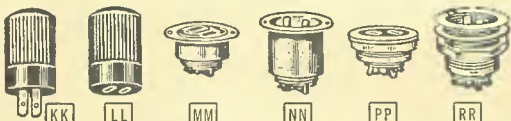
## H. H. SMITH TOP-QUALITY PLUGS AND JACKS

Quality plugs and jacks for a wide range of applications in radio and hi-fi equipment, test instruments, etc. All feature highest-quality construction for long-life reliability. Nickel-plated brass bodies for higher current applications. Unbreakable plastic handles. Order from table at left. Av. shpg. wt., 2 oz.

Stock No.	Type	Fig.	Connector	Color	Length	EACH	Lots of 10
24 C 9100	229	A	Insulated heavy-duty phone tip plug	Red	2 1/2"	.17	1.50
24 C 9101	229	Z	Insulated heavy-duty phone tip plug	Black	2 1/2"	.17	1.50
24 C 9103	200	B	"Senior" solderless insulated phone tip plug	Red	2 1/2"	.17	1.50
24 C 9104	200	B	"Senior" solderless insulated phone tip plug	Black	2 1/2"	.17	1.50
24 C 9106	201	C	"Junior" solderless insulated phone tip plug	Red	1 3/4"	.17	1.50
24 C 9107	201	C	"Junior" solderless insulated phone tip plug	Black	1 3/4"	.17	1.50
24 C 9109	270	D	Subminiature insulated phone tip plug	Red	1 3/4"	.20	1.80
24 C 9110	270	D	Subminiature insulated phone tip plug	Black	1 3/4"	.20	1.80
24 C 9111	237	E	Hollow insulated phone tip plug	Red	1 1/2"	.13	1.10
24 C 9112	237	E	Hollow insulated phone tip plug	Black	1 1/2"	.13	1.10
24 C 9113	203	F	Insulated short phone tip plug	Red	1 1/2"	.14	1.20
24 C 9114	203	F	Insulated short phone tip plug	Black	1 1/2"	.14	1.20
24 C 9116	105	G	Non-insulated "Senior" phone tip plug	.....	1 3/4"	.13	1.10
24 C 9117	106	H	Non-insulated "Junior" phone tip plug	.....	1 3/4"	.13	1.10
24 C 9122	212	J	Insulated spring-tip banana plug	Red	1 1/4"	.24	2.30
24 C 9123	212	J	Insulated spring-tip banana plug	Black	1 1/4"	.24	2.30
24 C 9127	236	K	Insulated spring tip banana plug	Red	1 1/4"	.37	3.50
24 C 9128	236	K	Insulated spring tip banana plug	Black	1 1/4"	.37	3.50
24 C 9129	204	L	Insulated spring tip banana plug	Red	1 5/8"	.21	1.90
24 C 9130	204	L	Insulated spring tip banana plug	Black	1 5/8"	.21	1.90
24 C 9134	213	M	Insulated split tip banana plug	Red	1 5/8"	.20	1.80
24 C 9136	213	M	Insulated split tip banana plug	Black	1 5/8"	.20	1.80
24 C 9138	211	R	Insulated spring tip banana plug	Red	1 5/8"	.21	1.90
24 C 9056	211	R	Insulated spring tip banana plug	Black	1 5/8"	.21	1.90
24 C 9118	255	N	Right-angle banana-type meter plug	Red	1 3/4"	.39	3.60
24 C 9119	255	N	Right-angle banana-type meter plug	Black	1 3/4"	.39	3.60
24 C 9120	235	P	Right-angle meter tip plug	Red	1 1/2"	.29	2.70
24 C 9121	235	P	Right-angle meter tip plug	Black	1 1/2"	.29	2.70
24 C 9145	103	S	Non-insulated spring-tip banana plug	.....	1 3/4"	.22	2.00
24 C 9146	100	T	Non-insulated spring-tip banana plug	.....	1 3/4"	.22	2.00
24 C 9147	102	W	Non-insulated spring-tip banana plug	.....	1 3/4"	.22	2.00
24 C 9150	1505	X	Miniature nylon tip jack	Black	3/16"	.23	2.10
24 C 9151	1505	X	Miniature nylon tip jack	Black	3/16"	.23	2.10
24 C 9155	240	Y	Insulated nylon tip jack	Red	1 1/2"	.20	1.80
24 C 9156	240	Y	Insulated nylon tip jack	Black	1 1/2"	.20	1.80
24 C 9160	202	Z	Insulated nickel-plated brass tip jack	Red	1 1/2"	.16	1.40
24 C 9161	202	Z	Insulated nickel-plated brass tip jack	Black	1"	.16	1.40
24 C 9163	241	AA	Insulated nylon tip jack	Red	.....	.26	2.50
24 C 9164	241	AA	Insulated nylon tip jack	Black	.....	.26	2.50
24 C 9168	107	BB	Non-insulated tip jack	.....	.....	.13	1.20
24 C 9169	205	CC	Non-insulated banana jack	Red	4 3/4"	.16	1.40
24 C 9170	205	CC	Non-insulated banana jack	Black	4 3/4"	.16	1.40
24 C 9174	219	DD	Insulated banana jack	Red	.....	1.18	1.60
24 C 9175	219	DD	Insulated banana jack	Black	.....	1.18	1.60
24 C 9179	221	EE	Insulated banana jack	Red	.....	.25	2.40
24 C 9180	221	EE	Insulated banana jack	Black	.....	.25	2.40
24 C 9185	101	FF	Non-insulated banana jack	.....	.....	.13	1.20
24 C 9186	109	GG	Non-insulated banana jack	.....	.....	.13	1.20
24 C 9187	206	HH	Insulated combination jack	Red	1 3/4"	.19	1.70
24 C 9188	206	HH	Insulated combination jack	Black	1 3/4"	.19	1.70
24 C 9195	218	JJ	Banana plug to spade-lug adapter	Red	1 3/4"	.13	1.08
24 C 9197	218	JJ	Banana plug to spade-lug adapter	Black	1 3/4"	.13	1.08



### ARROW H&H MIDGET CONNECTORS



Midget 2-prong cord connectors and receptacles. Especially suited for applications where space is at a premium. Types illustrated in Figures J and K have housings of durable molded bakelite. Others have rust-resistant metal housings and insulation of bakelite. All units are rated at 10 amperes at 250 volts. A 1" diameter hole is required for all receptacles. Contact spacing is 1 1/2". Receptacle terminals are exposed. All units take threaded covers. Types 80326 and 80328 are furnished with plate for screws. Types 80327 and 80329 are furnished with plate and lock ring. Av. shpg. wt., 3 oz.

Stock No.	Mfr's Type	Fig.	Description	EACH
47 C 2191	80324	KK	Male cable connector	.86
47 C 2192	80325	LL	Female cable connector	.86
47 C 2193	80326	MM	Female flush receptacle	.88
47 C 2194	80328	NN	Male flush receptacle	1.05
47 C 2195	80327	PP	Female flush receptacle	1.34
47 C 2196	80329	RR	Male flush receptacle	1.40

### AMPHENOL CABLE CONNECTORS

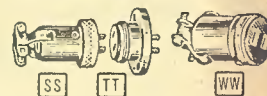
Matching male and female cable connectors. Take cables up to 7/8" O.D. Series 78-PF are female connectors; series 86-PM are male. "S" in type number indicates small size. Plus 1 1/4 x 1 1/2". Av. wt., 3 oz.

Stock No.	Mfr's Type	Con-tacts	EACH	Stock No.	Mfr's Type	Con-tacts	EACH
47 C 0524	78-PF4	4	.41	47 C 0505	86-PM5	5	.45
47 C 0525	78-PF5	5	.43	47 C 0506	86-PM6	6	.47
47 C 0526	78-PF6	6	.45	47 C 0507	86-PM7S	7S	.57
47 C 0527	78-PF7S	7S	.47	47 C 0508	86-PM8	8	.47
47 C 0528	78-PF8	8	.43	47 C 0512	86-PM9	9	.48
47 C 0516	78-PF9	9	.46	47 C 0513	86-PM11	11	.49
47 C 0517	78-PF11	11	.50	47 C 2655	86-PM12	12	.50
47 C 0504	86-PM4	4	.45				

Amphenol Cable Clamp. Type 79-CC4. For use with above connectors. Relieves strain on soldered connections. Shpg. wt., 5 oz.  
47 C 0670.....Each .09

### CINCH-JONES SERIES 202 PLUGS AND SOCKETS

Cadmium-plated brass plugs and sockets. Type P-202-CCT is polarized. Knurled nut. Type S-202-B socket mtg. holes. No. 30 drill on 1" centers. All units have 3/8"-27 thread. Type P-202-CCT and S-202-CCT-THR have cable clamp. Av. shpg. wt., 3 oz.



Stock No.	Type	Fig.	Description	EACH
47 C 0980	P-202-CCT	SS	Plug, 2 contact	.98
47 C 0982	S-202-B	TT	Socket, base mounting	1.18
47 C 0981	S-202-CCT-THR	WW	Socket, extension	1.33

### PLUGS AND SOCKETS

Type 2R2 Chassis-Mounting AC Socket. Molded, black bakelite AC socket excellent for radio, TV chassis, phono, and similar applications. Rated at 15 amps at 110 volts or 10 amps at 250 volts. Accepts any 2-prong standard electric plug. Solder-lug terminals. Mounts in 2 3/4 x 3 1/2" hole. Has 3/8" diameter mounting holes on 1 1/2" centers. Size 1 1/2 x 1 1/2". Recognized Under the Component Program of Underwriter's Laboratories, Inc. Shpg. wt., 2 oz.  
47 C 0830.....20

Type 8PB 8-Contact Plug. For making up to 8 connections between chassis. Molded from high-dielectric black bakelite. Nickel-plated pins have tapered ends for easy insertion. Fits any standard octal socket. Use with 16F shield. below. Shpg. wt. 2 oz.  
47 C 0846.....21

Type 11PB 11-Contact Plug. Same as above, but with 11 contacts. Fits 11RB socket, below. Use with 16F snap-on shield below. Shpg. wt., 2 oz.  
47 C 0847.....28

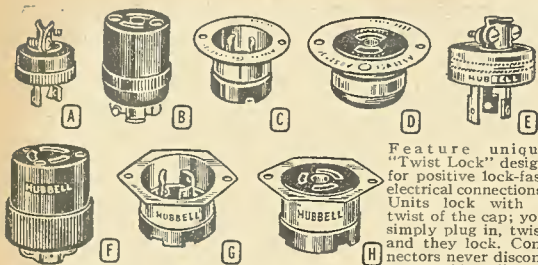
Type 16F Steel Snap-On Shield. (Not illus.) Cadmium-plated steel plug cap. Snaps on 8PB and 11 PB sockets, above. Has screwdriver slot at bottom to facilitate removal. Rubber grommet with 2 3/4" diameter hole protects cable. Shpg. wt., 2 oz.  
47 C 0848.....67

Type 11 RB 11-Contact Socket. Use with 11 PB 11-contact plug above, for making up to 11 contacts between chassis. Molded black bakelite. Mounts on 1/2" thick chassis using retaining ring. Use with 16F shield (above) on extension cables. Wt., 2 oz.  
47 C 0849.....31



# Connectors, Plugs, Sockets and Terminal Strips

## HUBBELL "TWIST-LOCK" CONNECTORS



Feature unique "Twist Lock" design for positive lock-fast electrical connections. Units lock with a twist of the cap; you simply plug in, twist and they lock. Connectors never disconnect accidentally.

regardless of the treatment to which they are subjected. Ensures a maximum of safety and a minimum of time loss. Conform to National Electrical Code Standard. Av. shgp. wt., 3 oz.

### MIDGET 2-WIRE NON-POLARIZED TYPES

Type 7428 male cap and Type 7427 female connector are of brown bakelite with metal cable clamps for  $\frac{3}{16}$  to  $\frac{1}{2}$ " O.D. cords. Type 7466 male base and Type 7468 female base are of bakelite with brass nickel finish housings. Rated 10 amps at 250 volts or 15 amps at 125 volts.

Stock No.	Mfr's Type	Fig.	Description	EACH	
				1-9	10-49
47 C 1282	7428	A	Male Cap	.48	.42
47 C 1283	7427	B	Female Connector	.88	.77
47 C 1284	7466	C	Male Base	1.04	.92
47 C 1287	7468	D	Female Base	1.25	1.11

### MIDGET 3-WIRE POLARIZED TYPES

As above but for 3-conductor cables. Insulation is black bakelite. Clamps accept cords from .281 to .421" O.D. Polarization prevents wrong connection. Rated 10 amps at 250 V, or 15 amps at 115 V.

Stock No.	Mfr's Type	Fig.	Description	EACH	
				1-9	10-49
47 C 1288	7485	A	Male Cap	1.14	1.00
47 C 1289	7484	B	Female Connector	1.63	1.44
47 C 1290	7486	C	Male Base	1.45	1.28
47 C 1291	7487	D	Female Base	1.76	1.56

### STANDARD AND HEAVY-DUTY 3-WIRE POLARIZED TYPES

Type 7572, 7556 and 7557 have rust-resistant metal housings. Type 7555 is bakelite. Clamps take cords from  $\frac{1}{16}$ " to  $\frac{3}{16}$ " O.D. All rated 10 amps at 250 V, 15 amps at 125 V. \*Armored, †heavy-duty. Wt., 4 oz.

Stock No.	Mfr's Type	Fig.	Description	EACH	
				1-9	10-49
47 C 1292	7572	E	Male Cap*	1.34	1.19
47 C 1296	7311	E	Male Cap*	1.93	1.70
47 C 1293	7555	F	Female Conn.†	2.13	1.88
47 C 1297	7313	F	Female Conn.†	2.97	2.62
47 C 1294	7556	G	Male Base	1.76	1.56
47 C 1295	7557	H	Female Base	1.95	1.72

## AMPHENOL PLUGS AND SOCKETS



### SERIES 61 AND 160 STANDARD AND GROUNDING-TYPE AC PLUGS AND SOCKETS

Series 61 comprises standard two-pole AC plugs and sockets. Series 160 consists of heavy-duty grounding types that are especially recommended for grounding appliances and power tools. Rated 15 amps at 120 volts, AC-DC, and 10 amps at 220 volts. Plugs and sockets are black phenolic, and "U.L. Recog., except Types 160-10 and 160-11 which must be grounded after mounting. Av. shgp. wt., 3 oz.

**J Retainer Ring Mounting Types.** For mounting in  $\frac{1}{4}$ " keyed hole in chassis up to  $\frac{1}{2}$ " thick. 61-M is standard type; 61-F is universal type. \*Includes prong and third terminal for ground wire. All units listed are 2-pole types.

Stock No.	Type	Descrip.	E.A.	Stock No.	Type	Descrip.	E.A.
47 C 0675	61-M	Male	.37	47 C 2522	*160-10	Female	.85
47 C 0677	61-F	Female	.37	47 C 2523	*160-11	Male	1.01

**L Mounting Plate Types.** All require  $1\frac{1}{2}$ " mtg. holes and have  $\frac{3}{32}$ " slotted holes on  $1\frac{1}{2}$ " to  $1\frac{1}{8}$ " centers except Type 61-MIP-61F which requires  $1\frac{1}{8}$ " mtg. hole and has  $\frac{3}{32}$ " holes on  $1\frac{1}{2}$ " centers. Types 61-M1 and 61-F1 have removable mtg. plates. \*With terminal for ground wire. All 2-pole.

47 C 0680	61-M1	Male	.46	47 C 2525	*160-3	Male	1.10
47 C 0682	61-F1	Female	.44	47 C 0085	61-MIP-61F	Female	.40
47 C 2524	*160-2	Female	.93				

**Type 61-61 Recessed Shell Only.** (Not illus.) Converts Type 61, 86 and 160 connectors to recessed types. Fits  $1\frac{1}{16}$ " hole; two  $\frac{3}{32}$ " screw holes on  $\frac{1}{4}$ " centers. Lowers connector  $\frac{1}{16}$ ". Wt., 2 oz.

47 C 0086 ..... Each .14

**N Recessed Mounting Types.** For below-surface mounting. Mount in  $1\frac{1}{16}$ " hole; have two  $\frac{3}{32}$ " screw holes on  $\frac{1}{4}$ " ctrs. All are 2-pole types. \*With grounding lug.

Stock No.	Type	Descrip.	E.A.	Stock No.	Type	Descrip.	E.A.
47 C 0685	61-M10	Male	.57	47 C 2526	*160-4	Female	1.08
47 C 0687	61-F10	Female	.56	47 C 2527	*160-5	Male	1.25

**K M Drawn Steel Plug Caps.** For use with plugs, sockets and connectors indicated. Type 3-13 (Fig. K), has rubber grommet for up to  $\frac{1}{16}$ " cable Type 3-24 (Fig. M), has adjustable clamp for cables up to  $\frac{1}{16}$ " diameter. Have black japan finish. Shgp. wt., 2 oz.

Stock No.	Type	Fig.	Use with Plugs and Sockets Types	EACH
47 C 2537	3-13	K	61, 86-CP, and S (Series 78).	.14
47 C 2538	3-24	M	61, 86-CP, and S (Series 78).	.23

## H. H. SMITH LUG-TYPE TERMINAL STRIPS



Dark brown bakelite strips,  $\frac{1}{16}$ " thick x  $\frac{3}{8}$ " wide. Solder-coated steel lugs have  $\frac{3}{8}$ " centers.  $\frac{3}{16}$ " dia. mtg. holes. Av. wt., 2 oz. 10 per pkg.

Stock No.	Type	PER PKG.	Stock No.	Type	PER PKG.	Stock No.	Type	PER PKG.	Stock No.	Type	PER PKG.
47 C 4320	861	.22	47 C 4327	864	.30	47 C 4334	850	.40	47 C 4341	871	.55
47 C 4321	862	.24	47 C 4328	829	.28	47 C 4335	869	.51	47 C 4342	879	.65
47 C 4322	813	.25	47 C 4329	830	.30	47 C 4336	854	.55	47 C 4343	848	.67
47 C 4323	820	.25	47 C 4330	853	.45	47 C 4337	855	.35	47 C 4344	900	.65
47 C 4324	849	.30	47 C 4331	847	.55	47 C 4338	866	.40	47 C 4345	858	.70
47 C 4325	815	.32	47 C 4332	865	.45	47 C 4339	860	.60	47 C 4346	870	.72
47 C 4326	863	.30	47 C 4333	857	.40	47 C 4340	859	.60			

## H. H. SMITH SCREW-TYPE TERMINAL STRIPS



Screw-type terminal strips for chassis and breadboarding applications. Have solder-coated brass terminal lugs on  $\frac{1}{16}$ " centers; .136" dia. mounting holes.  $\frac{1}{16}$ " thick bakelite strips; except\*  $\frac{3}{16}$ ". Av. wt., 2 oz.

Stock No.	Mfr's Type	Term.	Pkg. of 5	Stock No.	Mfr's Type	Term.	Pkg. of 5
47 C 4079	872	2	.35	47 C 4084	877	7	1.13
47 C 4080	873	3	.53	47 C 4085	928	8	1.20
47 C 4081	874	4	.63	47 C 4086	929	9	1.40
47 C 4082	875	5	.83	47 C 4087	930*	10	1.60
47 C 4083	876	6	.93				

## H. H. SMITH SERIES 3000 TERMINAL STRIPS



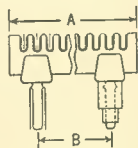
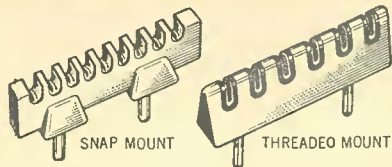
Selection of compact terminal strips, of .019 brass, tin-plated, and spaced on  $\frac{3}{16}$ " centers. Molded bakelite insulation. Mounting brackets are made of cadmium-plated steel. Mounting holes at each end of bracket. Av. shgp. wt., 2 oz.

Stock No.	Mfr's Type	Term	Mtg. Ctrs.	Pkg. of 5	Stock No.	Mfr's Type	Term	Mtg. Ctrs.	Pkg. of 5
47 C 1462	3002	2	1"	.30	47 C 1466	3006	6	2 1/4"	.50
47 C 1463	3003	3	1 1/8"	.35	47 C 1468	3008	8	2 7/8"	.57
47 C 1464	3004	4	1 3/8"	.40	47 C 1470	3010	10	3 1/8"	.66
47 C 1465	3005	5	1 1/2"	.45	47 C 1475	3012	12	4 1/8"	.75

# Terminal Strips, Board, Terminals, Insulators

## ALCOSTRIP CERAMIC TERMINAL STRIPS

Simplify component replacement. Permanent bond between metal and ceramic, "fired" to keep metal from loosening. Especially suitable where components need to be resoldered and removed again and again. Tinned copperplate on silvered ceramic. Special high-temperature characteristics allow strips to withstand excessive heat. Available in snap or thread mounting. Specifications include: Dielectric strength more than 10 seconds at 1500 VDC between terminals. Insulation Resistance; over 1000 megohms at 500 VDC megger. Dip Solder Test; no exfoliation at 250°C for 5 seconds. Materials; terminal strip, steatite; bushing, polypropylene. From Japan. Manufactured under license by Tektronix. Av. shpg. wt., 4 oz.



### SNAP-MOUNT TYPES

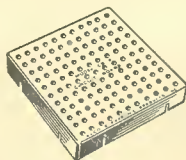
Stock No.	Type	No. Term.	Dimensions		PER PKG. OF 5	
			A	B	1-4	5-19
47 C 6763	MEP-NB-3	3	.600"	.490"	2.40	1.63
47 C 6764	MEP-NB-5	5	.885"	.490"	3.30	2.25
47 C 6765	MEP-NB-7	7	1.165"	.490"	4.05	2.73
47 C 6766	MEP-NB-9	9	1.445"	.750"	4.35	2.95
47 C 6767	MEP-NB-13	13	2.140"	1.500"	5.55	3.78

### THREAD MOUNT TYPES

Stock No.	Type	No. Term.	A	B	1-80	1-20
47 C 6757	MEP-2	2	.650"	.512"	1.80	1.20
47 C 6758	MEP-4	4	1.161"	.512"	2.25	1.50
47 C 6759	MEP-6	6	1.673"	1.024"	3.00	2.00
47 C 6760	MEP-8	8	2.185"	1.535"	3.75	2.50
47 C 6761	MEP-10	10	2.697"	2.047"	4.35	2.90
47 C 6762	MEP-12	12	3.209"	2.560"	4.95	3.30

## ALCO CB-1 CIRCUIT BOARD

Provides an excellent base for various types of breadboarding. Designed to accept Alco-strip series MEP-NB listed above, which may be inserted and removed as desired. Two or more units may be fastened together to form larger board. Rugged high-impact material. Size, 5x6". Shpg. wt., 4 1/2 oz.  
47 C 6796.....Each .95



## CINCH-JONES BARRIER TERMINAL STRIPS

Make a long leakage path and prevent direct shorts caused by frayed wires at the terminals. Base is molded bakelite, with mounting holes at ends. Eyelets and binder screws of nickel-plated brass; terminals of hot tin-finish brass. When used with fanning strips, insure positive contact and firm connections. No. 140 terminal strips have 5-40x 3/16" binder head screws, 1/4" metal-to-metal spacing. No. 141 types have 6-32x1/4" binder head screws, 3/8" metal-to-metal spacing. No. 142 types have 8-32x3/8" binder head screws, 3/8" metal-to-metal spacing. Av. shpg. wt., 5 oz.



Series 140. Metal-to-metal spacing over bakelite 1/4". Base 3/8" wide x 3/32" high. 3/8" centers.

Stock No.	Type	Term.	EACH	Stock No.	Type	Term.	EACH
47 C 1800	2-140	2	.23	47 C 1804	8-140	8	.61
47 C 1801	3-140	3	.27	47 C 1582	9-140	9	.68
47 C 1803	4-140	4	.33	47 C 1805	10-140	10	.75
47 C 1807	5-140	5	.41	47 C 1583	11-140	11	.81
47 C 1802	6-140	6	.47	47 C 1806	12-140	12	.89
47 C 1581	7-140	7	.53				

Series 141. Metal-to-metal spacing over bakelite 3/8". Base 1 1/8" wide x 1/2" high. 7/16" centers.

Stock No.	Type	Term.	EACH	Stock No.	Type	Term.	EACH
47 C 1835	2-141	2	.26	47 C 1838	6-141	6	.59
47 C 1836	3-141	3	.34	47 C 1839	8-141	8	.78
47 C 1837	4-141	4	.43	47 C 1840	10-141	10	.96
47 C 1842	5-141	5	.52	47 C 1841	12-141	12	1.13

Series 142. Metal-to-metal spacing over bakelite 3/8". Base 1 1/8" wide x 3/8" high. 3/8" centers.

Stock No.	Type	Term.	EACH	Stock No.	Type	Term.	EACH
47 C 1670	2-142	2	.30	47 C 1674	6-142	6	.73
47 C 1671	3-142	3	.41	47 C 1676	8-142	8	.95
47 C 1672	4-142	4	.51	47 C 1678	10-142	10	1.17
47 C 1673	5-142	5	.62	47 C 1680	12-142	12	1.39

## CINCH-JONES ADAPTER TERMINALS

Adapt barrier-type strips (listed above) for top-side or underside solder connections. Type 3/4W permits top-side soldering to barrier terminals; Type Y is for underside solder connections. Constructed of sturdy brass; with durable hot-tin finish. Fasten securely under binder head screws. Av. shpg. wt., 3 oz. In packages of 50.

TYPE 3/4 W				TYPE Y			
Stock No.	Mfr's Type	For Series	Per Pkg.	Stock No.	Mfr's Type	For Series	Per Pkg.
47 C 1400	3/4W-140	140	3.00	47 C 1407	Y-140	140	3.00
47 C 1401	3/4W-141	141	3.50	47 C 1408	Y-141	141	3.50
47 C 1402	3/4W-142	142	3.50	47 C 1409	Y-142	142	3.50

## E. F. JOHNSON INSULATORS



A Wide Selection of Quality Insulators for Every Need

**Stand-Off Insulators.** High-glass porcelain (except \*steatite). Long leakage path, low capacity and freedom from moisture absorption. Nickel-plated brass hardware includes screw, flat washer, two nuts. Type 135-65 is ribbed; others have drawn bases. †Similar to Figure B, but square base and 4 mounting holes. Av. shpg. wt., 1 lb.

Stock No.	Mfr's Type	Fig.	Body Ht.	Min. Dia.	Max. Dia.	Mtg. Ctrs.	Hardware	EACH
47 C 6235	135-20*	A	1 1/8"	3/4"	1 1/8"	1 1/8"	10-32	.36
47 C 6237	135-22*	A	1 1/8"	1 1/2"	1 1/2"	1 3/8"	8-32	.22
47 C 6239	135-24*	A	3/8"	3/8"	1"	6-32	118	
47 C 6240	135-60	†	4 1/2"	1 3/8"	2 1/2"	1 7/8"	1/4-20	1.20
47 C 6241	135-62 †	2 3/4"	1 3/8"	1 3/8"	1 3/8"	1 3/8"	1/4-20	.68
47 C 6242	135-63	B	1 3/8"	7/8"	1 1/2"	10-32	.35	
47 C 6244	135-66	B	1 3/8"	1 1/2"	1 3/8"	1 3/8"	1/4-20	.85
47 C 6251	135-67	C	4 1/2"	1 1/8"	2 1/4"	1 3/8"	1/4-20	1.20

**Thru-Panel Types.** Porcelain except \*steatite. †108-740 jack. 12 oz.

Stock No.	Mfr's Type	Fig.	Body Ht.	Min. Dia.	Max. Dia.	Panel Hole	Hardware	EACH
47 C 6200	135-40*	G	1 3/4"	1 1/2"	1 3/4"	7/8"	10-32	.48
47 C 6202	135-42*	G	1 1/4"	1 1/2"	3/4"	1 1/2"	10-32	.44
47 C 6203	135-42-H	H	1 1/4"	1 1/2"	3/4"	1 1/2"	6-32	.57
47 C 6205	135-44*	G	1 1/8"	3/8"	3/8"	3/8"	10-32	.33
47 C 6206	135-45	J	2 1/8"	3/8"	1 3/4"	1 1/2"	10-32	.64
47 C 6210	135-46	G	3 3/4"	1 3/8"	2 1/8"	1 1/8"	1/4-20	1.40
47 C 6211	135-47	G	2 1/2"	1 1/8"	1 1/2"	1 1/2"	10-32	2.00
47 C 6212	135-48	G	2 1/8"	1 1/8"	1 1/2"	1 1/2"	10-32	1.00
47 C 6216	135-48-2	K	2 1/8"	3/4"	1 1/8"	1 1/8"	†	1.12

**Lead-in Bushings.** Ideal high-voltage terminals. All are constructed of steatite for excellent RF insulating characteristics. Supplied complete with nickel-plated brass rod and nuts. Av. shpg. wt., 8 oz.

Stock No.	Mfr's Type	Fig.	Body Ht.	Min. Dia.	Max. Dia.	Panel Hole	EACH
47 C 6217	135-50	E	1"	3/8"	3/4"	1 5/8"	.42
47 C 6219	135-51	E	1 1/8"	7/8"	1 1/4"	2 1/2"	.64
47 C 6220	135-52	E	2 1/4"	1 1/2"	1 3/4"	1 3/2"	.89
47 C 6223	135-55	D	1/2"	1/2"	3/4"	1 1/2"	.33

**Ultra-Steatite Cone Insulators.** Non-ribbed. With nickel-plated, brass hardware. Av. shpg. wt. 5 oz.

Stock No.	Mfr's Type	Body Ht.	Min. Dia.	Max. Dia.	EACH
47 C 6224	135-500	1 3/8"	7/16"	5/8"	.23
47 C 6231	135-501	1 1/2"	1 1/2"	3/4"	.30
47 C 6232	135-502	1 1/2"	1 1/2"	1"	.55
47 C 6233	135-503	2 1/2"	5/8"	1 1/8"	.80
47 C 6234	135-504	3	3/4"	1 1/2"	1.40

## ANTENNA-FEEDER SPREADERS

(Not illus.) For constructing high efficiency, open-wire antenna feeders and transmission lines. Silicone impregnated, moisture-proof porcelain. 3/8x1/2". Av. shpg. wt., 3 oz.

Stock No.	Mfr's Type	Length	EACH
47 C 6257	136-122	2"	.18
47 C 6258	136-124	4"	.28
47 C 6259	136-126	6"	.45

## TERMINAL LUGS, SNAPS AND STUDS



**L Terminal Lugs.** Screw-mount to chassis. 2 solder lugs. 4 oz. 10 per pkg.  
47 C 1767.....Per Pkg. .51

**M Nu-Way Snaps.** For temporary or permanent connections. 7/16"x3/8" dia. 12 oz. 10 per pkg.  
24 C 9034.....Per Pkg. .98

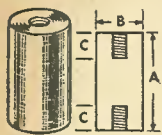
**N Nu-Way Studs.** For panel or chassis mtg. Fit snaps. 6-32x1/2". 12 oz. 10 per pkg.  
24 C 9031.....Per Pkg. .79

**P Nu-Way Flush-Mount Lugs.** Fit snaps. Have 6-32 mtg. hole. 12 oz. 10 per pkg.  
24 C 9033.....Per Pkg. .79



# Insulators, Coil Forms, Clips, Spacers, Tube Caps

## H. H. SMITH CERAMIC STAND-OFF INSULATORS



Commercial-grade threaded insulators specially designed for a wide variety of RF applications where leakage loss must be held to a minimum. Grade L-5 ceramic is employed and outside is highly glazed to prevent absorption of moisture and avoid leakage losses. All except Type 2640 are threaded at both ends to accept 6-32 or 1/4-20 machine screws. Type 2640 is threaded throughout. Av. shpg. wt., 3 oz.

Stock No.	Mfr's Type	Dimensions			Thread	PER PKG. OF 10	
		A	B	C		1-9	10-49
47 C 4347	2640	1/4"	1/4"	Thru	6-32	1.34	.23
47 C 4348	2641	1/2"	1/4"	3/32"	6-32	1.37	.23
47 C 4349	2642	3/8"	3/8"	3/32"	6-32	1.42	1.28
47 C 4350	2643	1/2"	3/8"	3/16"	6-32	1.69	1.52
47 C 4351	2644	1/2"	1/2"	3/64"	6-32	1.85	1.71
47 C 4352	2645	3/4"	1/2"	1/4"	6-32	1.95	1.76
47 C 4353	2646	1"	1/2"	3/8"	6-32	2.15	1.93
47 C 4354	2647	1 1/8"	1/2"	3/8"	6-32	2.45	2.20
47 C 4356	2648	2 1/2"	1/2"	1/2"	6-32	2.67	2.41
47 C 4357	2649	2 1/2"	3/4"	1/4"	1/4-20	3.60	3.26

## H. H. SMITH BRASS SPACERS



Round spacers designed for use in raising sub panels, chassis, condensers, transformers, other electronic parts and assemblies. Constructed of durable cadmium-plated brass. Precision machined—lengths and outer diameters accurately controlled to  $\pm 1/32$  tolerance. Tapped bushings for threads indicated in table below. Packed 10 spacers per package. Av. shpg. wt., 6 oz.

Stock No.	Mfr's Type	Screw Size	Length	PKG. OF 10	
				1-9	10-49
47 C 4724	2100	6	1/4"	.33	
47 C 4725	2101	6	3/8"	.44	
47 C 4728	2103	6	1"	.63	
47 C 4729	2104	6	1"	.72	

## ROUND—NON-THREADED 1/4" O.D.

Stock No.	Mfr's Type	Tap	Length	PKG. OF 10	
				1-9	10-49
47 C 4761	2120	6-32	1/4"	.39	
47 C 4765	2121	6-32	3/8"	.50	
47 C 4767	2123	6-32	1"	.84	
47 C 4774	2129	8-32	1"	1.04	

## H. H. SMITH ADAPTER CLIPS



Alligator clips with jacks in handle to accept tip and/or banana plugs. Cadmium-plated steel.

### A PLASTIC-HANDLE ALLIGATOR CLIPS

Type 305 With Combination Tip-Jack and Banana Jack. Ideal for use with test prods. Aids servicing. 2 oz.  
47 C 1168, Red .39 47 C 1169, Black .39  
Type 304 With Tip Jack. Accommodates standard tip-plug only. 2 oz.  
47 C 1300, Red .33 47 C 1305, Black .33

### B ALL-INSULATED ALLIGATOR CLIPS

Type 337 With Banana Jack. Accommodates banana plug in receptacle end. 2 oz.  
47 C 1382, Red .24 47 C 1383, Black .24  
Type 336 With Tip Jack. Accommodates standard tip plug in receptacle end. 2 oz.  
47 C 1373, Red .36 47 C 1374, Black .36



## TRANSMITTING STANDARD

### TUBE CAPS

Heat dissipating types (Fig. D) have set-screw. Type 36011 (Fig. F) gives tight grip to insure good contact. Shpg. wt., per package, 3 oz. \*Figure,

## H. H. SMITH HEAVY-DUTY STRIPS



Made of 3/4" thick black bakelite, 1/4" wide. Have 8-32x3/8" nickel-plated screw terminals and cadmium-plated brass solder lugs. Drilled for 2-hole mtg. Av. wt., 4 oz.

Stock No.	Type	Term.	EACH
47 C 1875	902	2	.20
47 C 1880	903	3	.22
47 C 1885	904	4	.27
47 C 1895	906	6	.39
47 C 1898	908	8	.50

## MILLEN MOLDED COIL FORMS



Type 45004. Molded-mica, phenolic base type coil forms. Four-prong type. For shortwave receivers and low-power transmitters. Size: 1" diameter; 1 1/2" winding length; 2 1/8" overall. Shpg. wt., 2 oz.  
47 C 3217.....58

Type 45005. Same as 45004, but has 5 prongs. Shpg. wt., 2 oz.  
47 C 3218.....58

Type 45000. Same as Type 45005 above, but without prongs. Designed for screw mounting. Shpg. wt., 2 oz.  
47 C 3219.....45

## MAYFAIR POLYSTYRENE COIL FORMS



A selection of coil forms for winding RF coils of all types. Low-loss polystyrene construction. 4, 5, and 6-prong standard forms fit standard tube sockets; 5-prong miniature type fits Amphenol Type 78-S55 miniature socket (see under "Retainer Ring Sockets" in socket section). Av. wt., 2 oz.

Stock No.	Mfr's Type	Description	Size L x Dia.	E.A.
47 C 6693	24-5H	5-Prong Min.	1 1/2 x 3/4"	.28
47 C 6695	24-4P	4-Prong Std.	2 1/2 x 1 1/4"	.37
47 C 6696	24-5P	5-Prong Std.	2 1/2 x 1 1/4"	.27
47 C 6697	24-6P	6-Prong Std.	2 1/2 x 1 1/4"	.40

## JOHNSON ANTENNA INSULATORS



Strain-type insulators. All are porcelain-glazed to prevent moisture absorption, and prevent RF leakage. Superior quality units with heavily glazed surfaces and heavy, nickel-plated brass hardware suitable for exposed applications. Type 136-107 insulator is wet process 1" diameter round design with 800 lbs. breaking strength. Type 136-104 is dry process, 3/8" square with 400 lbs. breaking strength.

Stock No.	Mfr's Type	Size	Shpg. Wt.	EACH
47 C 6254	136-104	4" x 3/8" sq.	4 oz.	.30
47 C 6255	136-107	7" x 1" dia.	10 oz.	1.35

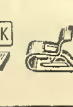
## CONSOLIDATED ANTENNA INSULATORS



Dependable glazed porcelain insulator. Efficient ribbed construction provides long leakage path. 2 1/2" long. Shpg. Wt., 2 oz. 4 per pkg.  
47C6051, Pkg./40

White porcelain strain insulator, 1 1/2 x 3/4" dia. Breaks up guy lines into non-resonant lengths. 2 oz. 4 per pkg.  
47 C 6052, Per Pkg.....48

## FAHNESTOCK SPRING CLIPS

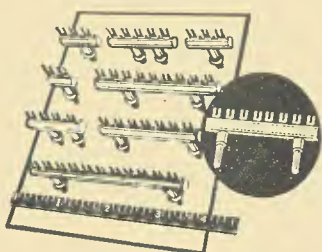


Positive reliable contact. Easy to connect and disconnect. Made of brass, except 1" bronze. Av. shpg. wt., 3 oz. per pkg.

Stock No.	Mfr's Type	Fig.	LxW Inches	Max. Mtg. Wire Hole	PKG. OF 10
47 C 1700	2	K	1 1/2 x 3/8"	10	8 .25
47 C 1705	10	K	1 1/2 x 3/8"	14	6 .22
47 C 1703	5	L	1 1/2 x 3/8"	10	8 .36
47 C 1707	15*	L	1 1/2 x 3/2"	16	4 .20

## SCIENTIFIC RESEARCH CO.

### MOUNTING STRIPS

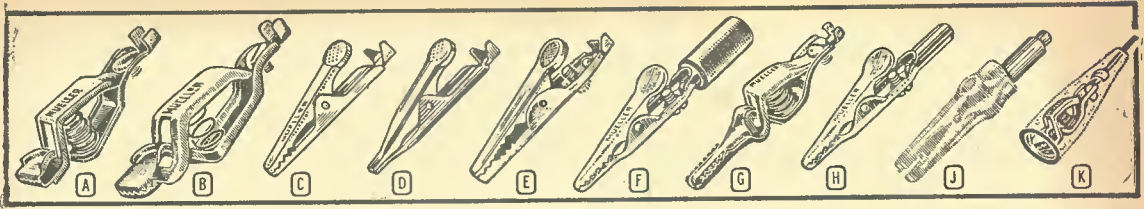


- Constructed of Lightweight, Non-Breakable Polypropylene
- Have Prefinned Terminal Points

Low loss polypropylene component mounting strips. Increase production line efficiency and contribute to compact circuitry. Dielectric constants are 400% better than phenolic, 200% better than ceramic. Loss factors are 200 times better than phenolic, 30 times better than ceramic, even as frequencies increase. Easily fasten to chassis by means of speed nut, lock washer or 6-32 nut. Improved serviceability of electronic instruments using EGL mounting strips is made possible since all test points are accessible and components can be easily replaced. The strips are lightweight and non-breakable. Lengths from 1 1/2" to 3 1/2". Av. wt., 5 oz. Last digit in Type Number indicates number of terminals. 5 per pkg.

Stock No.	Mfr's Type	Lgth.	PER PKG.
47 C 3106	MS-1-PP-2	1 1/2"	.63
47 C 3107	MS-1-PP-3	5/8"	.63
47 C 3108	MS-1-PP-4	1 1/4"	.83
47 C 3109	MS-1-PP-5	1 1/2"	.83
47 C 3110	MS-1-PP-7	2 1/4"	.83
47 C 3111	MS-1-PP-9	2 1/4"	.98
47 C 3112	MS-1-PP-11	3 1/2"	.98

# Assorted Test Clips, Terminals, Crimping Tools



## MUELLER CLIPS AND FLEXIBLE INSULATORS

### MESH-TEETH TEST CLIPS

**A** For general-purpose use. Interlocking necks prevent jaw offset. Type 45C, solid copper; Type 45, cadmium-plated steel. Av. shpg. wt. per 100 pieces, 1 lb.

Stock No.	Mfr's Type	Amps	Size	Per Pkg. of 10
47 C 5001	45	5	1 1/2"	.61
47 C 5006	45C	10	1 1/2"	1.07

### LEAD-PLATED BATTERY CLIPS

**A** For moderately heavy current work, battery charging, electrolyating, and light welding. Stands erect. Shpg. wt., per 100;  $\frac{1}{4}$  lb., \$15.  $\frac{3}{8}$  lb., \$36. Marking.

Stock No.	Mfr's Type	Amps	*	Size	EACH
47 C 5021	24A	25	+	2 7/8"	.26 .177
47 C 5022	24A	25	None	2 7/8"	.26 .177
47 C 5023	21A	50	+	4"	.46 .32
47 C 5024	21A	50	None	4"	.46 .32
47 C 5027	11A	100	None	6"	1.27 .89

### SOLID-COPPER CLIPS

**A** Heavy-duty, high-conductivity clips constructed of solid copper. Compact design. Shpg. wt. per 100 pieces: Type 25C, 6 1/2 lbs.; 21C, 18 lbs.; 11C, 41 lbs.

Stock No.	Mfr's Type	Amps	*	Size	EACH
47 C 5073	25C	75	None	3"	.49 .34
47 C 5031	21C	100	+	4 1/2"	1.20 .84
47 C 5032	21C	100	None	4 1/2"	1.20 .84
47 C 5033	11C	200	+	6"	2.34 1.64
47 C 5034	11C	200	None	6"	2.34 1.64

### 3-SIDED MESH-TEETH CLIPS

**B** Good jaw spread and current carrying capacity. Indicates cadmium-plated steel; \*solid copper. Insulation-piercing jaws. jaws open 3/8". Wt., per 100, 3/8-inch maximum. Av. shpg. wt. per 100, 3/4 lbs.

Stock No.	Mfr's Type	Amps	Size	EACH	MULTIPLES OF 10, EA.
47 C 5010	448B	10	2"	.13	.09
47 C 5078	48C	20	2"	.20	.14
47 C 5087	*150C	20	2 1/4"	.32	.22
47 C 5015	27	20	2 1/4"	.16	.11
47 C 5088	*51C	20	2 3/4"	.22	.15
47 C 5074	25	40	3"	.24	.17
47 C 5097	*27C	40	2 7/8"	.27	.19



**TYPE 60-NS ALLIGATOR NEEDLE CLIP**

Ideal for any application where it is desirable to pierce the insulation of a wire to make a more direct connection. Slim jaws open 3/8" maximum and have beryllium copper needle. Wire centering notches hold conductor securely. Screw type. Shpg. wt., per 100, 1 lb. Prices per pkg. of 10.

47 C 5014, 1-9. Ea. 1.32 10-49. Ea. 1.12

### A-MP CRIMPING TOOLS



**L** Type 47100-1 "Super Champ" Crimping Tool. Crimps insulated solderless terminals, shears machine screws, measures stud sizes, cuts and strips wire from standard AWG 22 thru 10. Shears bolts in 10-24, 10-32, 8-32, 6-32 and 4-40 sizes. Constructed of rugged tool steel, with comfortable insulated plastic handles. Length, 7 3/4". Shpg. wt., 1 lb. Prices per pkg. of 10. . . . . 4.95

**M** Type 49835-1. For crimping non-insulated terminals. Otherwise has same versatile features as above—shears machine screws, measures stud sizes, cuts and strips wire. Shpg. wt., 1 lb. 47 C 4453. . . . . 4.95

### "MINI-GATOR" CLIPS

**C** 1/16" jaw opening, 1/16" O.D. tip, including insulator. Type 30, cadmium-plated steel; 30C, solid copper. Per 100, 4 oz. Pkg. of 10.

Stock No.	Mfr's Type	Amps	Size	Per Pkg. of 10
47 C 5140	30	5	1 1/8"	.50 .43
47 C 5141	30C	10	1 1/8"	.61 .53

### "MICRO-GATOR" CLIPS

**D** Similar to "Mini-gators" but with tiny tip for small terminals, etc. Cadmium-plated steel; \*solid copper. 1/4 lbs. per 100 pcs.

Stock No.	Mfr's Type	Size	EACH
47 C 5178	*34	1 3/8"	.41 .36
47 C 5179	*34C	1 3/8"	.53 .46

### 70 SERIES ALLIGATOR CLIPS

**E** Cadmium-plated steel; \*solid copper; solder connection; †screw connected. Wt. per 100 pieces, 1 lb.

Stock No.	Mfr's Type	Amps	Size	EACH
47 C 5173	*170	5	1 1/16"	.45 .38
47 C 5174	*170S	5	1 1/16"	.54 .46
47 C 5175	*170CS	10	1 1/16"	.85 .73

### INSULATED BARREL ALLIGATOR CLIPS

**F** Cad-plated steel, except \*solid copper. Jaws open 3/8". Per 100, 1 1/2 lbs. †Handle.

Stock No.	Type	Size	†	Per Pkg. of 10
47 C 5081	60HS	2 1/2"	Red	.89 .76
47 C 5082	60HS	2 1/2"	Black	.89 .76
47 C 5083	*60CHS	2 1/2"	Red	1.18 1.01
47 C 5084	*60CHS	2 1/2"	Black	1.18 1.01

### 85 SERIES CROCODILE CLIPS

**G** †Phone tip on one jaw. Screw connections. Wt., per 100, 1 3/4 lbs.

Stock No.	Type	Size	Material	Ea.	Multiples of 10, Ea.
47 C 5060	85	2 1/2"	Cad.-plated	.11	.08
47 C 5062	85C	2 1/2"	Solid copper	.21	.15
47 C 5098	85T	2 1/2"	Cad.-plated	.27	.19

### 60 SERIES ALLIGATOR CLIPS

**H** †Solder type; "S"—screw type. Per 100, 1 lb. Prices per pkg. of 10. \*1-9, †10-49.

Stock No.	Type	Size	Material	Ea.	Multiples of 10, Ea.
47 C 5011	†60	2"	Cad.-plated	.54*	.47
47 C 5012	60S	2"	Cad.-plated	.63*	.54
47 C 5013	60CS	2"	Solid copper	.96*	.82

### INSULATED ALLIGATOR CLIPS

**J** No. 63 clip, cadmium-plated steel; No. 63C clip, solid-copper type. \*Red or black insulator. Size, 2 1/2". Av. shpg. wt., per 100 pcs., 1 1/4 lbs.

Stock No.	Type	Amps	*	Each	Multiples of 10, Ea.
47 C 5145	63	5	Red	.19	.13
47 C 5146	63	5	Black	.19	.13
47 C 5147	63C	10	Red	.22	.15
47 C 5148	63C	10	Black	.22	.15

### SLIP-ON INSULATORS FOR CLIPS

**K** Tough, flexible vinyl plastic insulators for maximum protection. High dielectric strength; holds clip firmly; resistant to oils and grease. Insulator covers entire clip except for end of nose. Long tail affords extra protection and prevents breakage of wire. Available in both red and black. Av. shpg. wt., 5 oz. \*Manufacturer's type.

Stock No.	* For Series	Color	EACH
47 C 5036	13	Red	.81 .57
47 C 5037	13	Black	.81 .57
47 C 5038	23	Red	.41 .287
47 C 5039	23	Black	.41 .287
47 C 5041	26	Red	.23 .16
47 C 5042	26	Black	.23 .16
47 C 5043	29	Red	.17 .12
47 C 5044	29	Black	.17 .12
47 C 5046	32	Red	.05 .033
47 C 5047	32	Black	.05 .033
47 C 5051	36	Red	.05 .033
47 C 5052	36	Black	.05 .033
47 C 5053	47	Red	.07 .05
47 C 5054	47	Black	.07 .05
47 C 5056	49	Red	.10 .069
47 C 5057	49	Black	.10 .069
47 C 5058	62	Red	.06 .04
47 C 5059	62	Black	.06 .04
47 C 5061	72	Red	.06 .04
47 C 5063	72	Black	.06 .04
47 C 5064	87	Red	.07 .05
47 C 5066	87	Black	.07 .05

### HIPPO AND PIGMY HIPPO HIGH-CURRENT CLIPS

Plier clips for fast battery chargers and battery-boosters cables. Tough vinyl insulating sleeves marked for polarity. Solder strap and cable clenching ears. Locks on battery terminal in any position. 1 3/8" jaw spread; 6" long. Copper-plated steel. Rated 100 amps. Wt., per 100, 41 lbs.



47 C 5076, Red. Positive	Ea. .51
47 C 5077, Black. Negative	Ea. .51
Type 46-A, Pigmy-hippo clip. Above, but 1 1/2 spread; 3" long. 50 amps. 5 1/4 lbs. per 100.	
47 C 5071, Red. Positive	Ea. .17
47 C 5072, Black. Negative	Ea. .17

### TRIPLE A BATTERY BINDING POST

Versatile battery binding device with 250-amp rating. Separate threaded terminal for cables with lugs. Shpg. wt. 5 oz.

47 C 1785. . . . . 56



### A-MP TERMINAL KIT

Type 29033. Terminal kit includes an assortment of the most popular insulated terminals used for general wiring applications, a heavy-duty type 47100-1 Super-Champ crimping tool (shown at left), plus a transparent plastic storage case. Storage case has individual compartments for different size terminals and crimping tool—makes it easy to select the proper terminal at a glance. Ideal for radio-TV and electrical servicemen. Saves time by eliminating the necessity of soldering. Crimping tool firmly affixes terminal to wire with a minimum of effort, makes a very satisfactory electrical connection. Tool may also be used with all wire sizes from No. 10 gauge to No. 22 gauge. Will also shear machine screws, measure stud sizes, cut and strip wire from No. 22 gauge through 10. Storage case, 9/4x5 1/2x2 1/2". 47 C 5322. Shpg. wt., 2 lbs. . . . . 24.00





# Solderless Terminals, Tools, Sockets, Test Prods

## VACO INSULATED AND NON-INSULATED SOLDERLESS TERMINALS

Voco Single-Grip Solderless Terminals. Form perfect electrical connections. Ideal for general-purpose work or radio, TV and appliance servicing. Of chrome-plated copper alloy. Series 10000 are one-piece non-insulated types. Series 50000 are insulated; heavy plastic

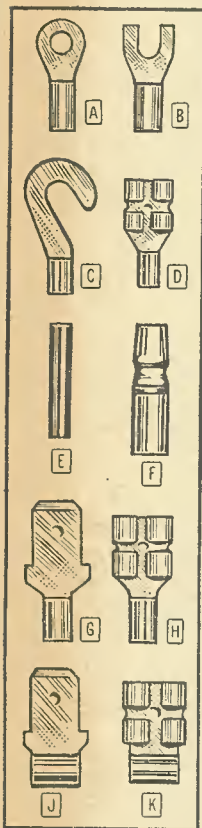
slieve provides insulation from tongue to wire covering. \*Butt connector; †snap terminal; ‡female tab socket; ††¼" male tab; ††¼" angle male tab; † angle female tab socket. Use crimping tool, below. Wts., pkg. of 100, 8 oz.; economy pack, 3 oz.

### STANDARD PACKAGES OF 100

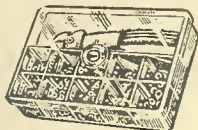
ALL NON-INSULATED TERMINALS						
Wire Size	Stud Size	Lgth.	Fig.	Stock No.	Mfr's Type	PER PKG. of 100
22-18	4	1 1/32"	A	47 C 4200	11204	2.71
22-18	5-6	1 1/32"	A	47 C 2800	11205	2.71
22-18	5-6	3/4"	A	47 C 2801	11206	2.71
22-18	8	4/8"	A	47 C 4201	11208	2.71
22-22	10	3/4"	A	47 C 2802	11210	2.71
16-14	5-6	1 1/32"	A	47 C 2803	11305	2.71
16-14	5-6	2 3/32"	A	47 C 2804	11306	2.71
16-14	8	2 3/32"	A	47 C 4204	11308	2.71
16-14	10	2 3/32"	A	47 C 2805	11310	2.71
12-10	10	3/4"	A	47 C 2807	11410	3.38
12-10	12-1/4	2 3/32"	A	47 C 2808	11414	4.49
22-18	4	1 1/32"	B	47 C 4205	13204	2.42
22-18	4-6	1 1/32"	B	47 C 2812	13206	2.42
22-18	8	4/8"	B	47 C 4206	13208	2.71
22-18	10	1 1/16"	B	47 C 4207	13210	2.71
16-14	4-6	4/8"	B	47 C 2810	13306	2.71
16-14	8	2 1/32"	B	47 C 4208	13308	2.71
16-14	10	4/8"	B	47 C 2811	13310	2.71
22-18	4-6	3/16"	B	47 C 2809	14206	2.42
22-18	8	5/8"	C	47 C 2819	15208	2.71
22-18	8	3/16"	E*	47 C 2816	17202	2.71
16-14	8	3/16"	E*	47 C 2817	17302	2.71
12-10	8	1 1/16"	E*	47 C 2818	17402	3.38
16-14	8	5/8"	F†	47 C 2813	19301	2.10
22-18	8	1 1/2"	D‡	47 C 4213	18204	2.71
16-14	8	2 3/32"	G††	47 C 2820	18301	2.71
16-14	8	2 3/32"	H‡	47 C 2821	18302	2.71
16-14	8	9/16"	J†	47 C 2822	18303	2.71
16-14	8	15/32"	K‡	47 C 2823	18304	2.71

### \$1.00 ECONOMY PACKAGES

NON-INSULATED				INSULATED			
Stock No.	Type	Pkg. Qty.	PER PKG.	Stock No.	Type	Pkg. Qty.	PER PKG.
47 C 4476	11205	32	1.00	47 C 4269	51205	16	1.00
44 C 4481	11206	32	1.00	47 C 4270	51206	16	1.00
47 C 4482	11210	32	1.00	47 C 4272	51210	16	1.00
47 C 4486	11310	32	1.00	47 C 4275	51306	16	1.00
47 C 4489	11410	25	1.00	47 C 4277	51310	16	1.00
47 C 4490	11414	19	1.00				
47 C 4492	13306	32	1.00	47 C 4282	53306	16	1.00
47 C 4493	13310	32	1.00	47 C 4304	53310	16	1.00
47 C 4498	14206	36	1.00	47 C 4305	54206	16	1.00
47 C 4499	15208	32	1.00	47 C 4306	55208	16	1.00
47 C 4287	17202	32	1.00	47 C 4310	57202	16	1.00
47 C 4288	17302	32	1.00	47 C 4311	57302	16	1.00
				47 C 4312	57402	13	1.00
47 C 4294	18204	32	1.00				
47 C 4295	18301	32	1.00	47 C 4313	58301	16	1.00
47 C 4297	18302	32	1.00	47 C 4314	58302	13	1.00
47 C 4302	18304	32	1.00				



### SERVICE KIT



Model 2195. Contains approx. 170 non-insulated terminals and crimping tool (at right). Tool cuts, strips wire and crimps terminals. Includes assortment of these single-grip terminals: 11205, 11206, 11210, 11305, 11306, 11310, 14206, 13306, 13310, 15208. In clear plastic box, 8 3/4 x 6 x 1 3/4", with individual compartments. Shpg. wt., 2 lbs. 47 C 4427..... 8.95



### CRIMPING TOOL

Model 1900. A quality tool designed for fast, effective crimping of non-insulated solderless terminals, above. Tool is furnished with three different crimping dies. Also quickly strips insulation from No. 22 to No. 10 size wires. Has durable steel jaws for heavy-duty use. Insulated plastic handles assure a comfortable grip at all times. Shpg. wt., 1 lb. 47 C 4233..... 3.95

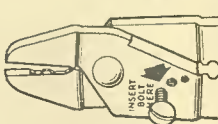
### H. H. SMITH "MINI-SPRING" TUBE HOLD-DOWNS



Use when tubes are mounted upside down or horizontally. For 7 or 9-pin miniature tubes. Mount with mach. screw or rivet. 10 per pkg. av. wt., 2 oz.

Stock No.	Type	Ht.	For Tubes	PKG.
47 C 1320	562	2 3/8"	6AQ5, 6X4, 35W4, 50B5, etc.	1.14
47 C 1321	561	1 7/8"	1R5, 6AT6, 6BE6, 6C4, etc.	1.14
47 C 1323	563	1 7/8"	12A7T, 12AU7, etc.	1.16

### VACO 1963 CRIMPING TOOL



Easy handling all-purpose tool has crimping dies for insulated and non-insulated terminals. Cuts and strips wire. Wire enter at tip for close work. Strips No. 10, 12, 14, 16, 18, 20, 22 wire. Shears six sizes of bolts: 10-32, 6-32, 5-40, 10-24, 8-32, and 4-40. Improved-action bolt slicing principle requires less hand pressure. Jumbo plastic handles. Wt., 2 lbs. 47 C 4237..... 4.95

### G-C ELECTRORAFT "KLIPZON



#### MINIPRODS™

Fit standard tip jacks. Clip to any terminal, lug, etc. Point pierces insulation. Solderless connection inside 1 1/8" plastic handle. Wt., 2 oz.

Stock No.	Type	Color	EACH
47 C 2271	33-138	Red	.42
47 C 2272	33-140	Black	.42

### VECTOR SOCKET TURRETS



Terminal structures for single or multi-stage sub-assemblies. Mount on phenolic form; 7-pin miniature in 5/8" hole; 9-pin novel in 3/4" hole. 1/2-in. diameter. Shpg. wt., 3 oz.

Stock No.	Type	Socket	EACH
47 C 0217	8-M-9T	7-Pin Min.	.76
47 C 0233	8-N-9T	9-Pin Novel	.76

1 1/2" Turrets, 6 terminals in one ring.

Stock No.	Type	Socket	EACH
47 C 0218	6-M-6T	7-Pin Min.	.69
47 C 0234	6-N-6T	9-Pin Novel	.69

Type S9 Shield Base. For use with miniature 9-pin sockets above. Fastens above chassis on socket mounting centers. Use with standard bayonet shield. Shpg. wt., 2 oz. 47 C 0236..... .05



### POMONA SOCKET SAVERS

For tube checkers and other equipment to reduce wear of tube sockets. Have beryllium copper tin alloy-plated contacts. Av. shpg. wt., 3 oz.

Stock No.	Type	Use With	EACH
47 C 0668	SS-7	7-pin miniature	1.75
47 C 0669	SS-8	8-pin octal	1.75
47 C 0678	SS-9	9-pin miniature	1.75
47 C 2240	SS-12	12-pin compactron	2.25
47 C 2416	1751	9-pin novar	1.95



### 110° TUBE CONVERSION ADAPTERS

110-S Sylvania Type. For duo-decal equipment. No rewiring—plug in for 110° socket. Converts to 7FA basing. Shpg. wt., 4 oz. 47 C 0683..... 1.95

110-R RCA Type. As above, but converts to 8HR basing. Shpg. wt., 5 oz. 47 C 0684..... 1.95

### JAMES MILLEN TUBE SOCKETS



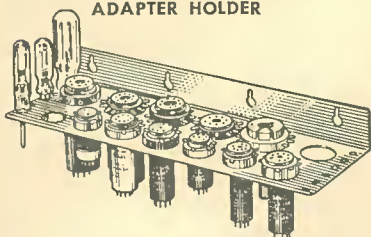
Low-loss statite 4 and 5-prong tube sockets for UHF use. For 866 rectifiers, transmitting tubes, etc. 1 1/16" mtg. ctr. Wt., 4 oz.

Stock No.	Type	Prongs	EACH
47 C 3200	33004	4	.85
47 C 3201	33005	5	.85

# Sockets, Adapters, Test-Lead and Socket Holders

## POMONA SOCKETS

### NEW TEST ADAPTER HOLDER



**Model 2938.** Handy rack mounted holder keeps tube socket test adapters and service tools neatly organized and readily accessible. The holder accepts up to seven socket adapters of 7/8" in diameter or less, and six of 1 1/2" dia. or less. Holes at both ends accommodate 12 service tools. Mounting holes provided for easy installation. Cold rolled steel with baked green enamel finish. 3 1/2 x 11 1/2". Shpg. wt., 14 oz.  
47 C 2228.....2.50

### TEST LEAD HOLDERS

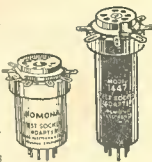
Convenient holder for test leads, patch cords, and cable assemblies. Items can be filed for instant selection within easy reach, are easy to store and remove. Cold-rolled steel, with baked enamel finish. For cable sizes indicated below. 11 x 3 1/2". Shpg. wt., 14 oz.



Stock No.	Mfr's Type	Cable Dia.	Color	EACH
47 C 2414	1508	.210"	Orange	2.95
47 C 2415	2708	.450"	Blue	2.95

### TEST SOCKET TUBE ADAPTERS

Permits circuit measurements from top of chassis. Plug-in test socket tube adapter has extended test tabs which make it easy to take readings. TVS-7, TVS-8, TVS-9, TVS-12 have mica-filled molded design per MIL-14. Breakdown voltage 1700 volts AC or DC. Manufacturer's Types 1447, 1449 and 2610 for use with sockets having captive or telescoping tube shields. Breakdown 1800 volts AC or DC. Av. shpg. wt., 5 oz.

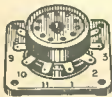


TVS-9 1447, 9

Stock No.	Types	Pins	Description	EACH
47 C 0035	TVS-7	7	Miniature	1.65
47 C 0036	TVS-8	8	Octal	1.75
47 C 0037	TVS-9	9	Miniature	1.85
47 C 2211	TVS-12	12	Compactron	2.55
47 C 0038	1447	7	Miniature	1.85
47 C 0039	1449	9	Miniature	1.95
47 C 0045	2610	10	Decal	2.55
47 C 2417	2497	9	Magnaval	2.75
47 C 2286	1779	9	Novar	2.25

### NEW 11-PIN RELAY SOCKET

**Model 2811.** For industrial control equipment requiring an 11 contact configuration. Above chassis mounting. Socket and base molded of diallyl phthalate. Numbered socket connections. Heat treated beryllium copper contacts. 600 VRMS @ 10 amps. 2x2x.88". Wt., 5 oz.  
47 C 2420.....2.75



### SURFACE-MOUNTING BREADBOARD SOCKETS

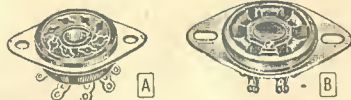
Eliminate double chassis design. Insulated base. Circuits may be wired in enclosed unit. Base connections numbered. Phosphor-bronze spring contacts. Std. center-to-center mtg. holes. XS-7 and XS-8 mount in center or side, XS-9 on side. 1 oz.



XS-8

Stock No.	Type	Pins	EACH
47 C 2215	XS-7	7	.65
47 C 2216	XS-8	8	.75
47 C 2217	XS-9	9	.75

## AMPHENOL STANDARD TUBE SOCKETS



**A** Type MIP. Bakelite body with molded-in steel plate. \*Require 1 1/4" hole; mounting centers, 1 1/2". All others have 1 1/2" mounting centers. †Requires 1 1/4" hole; others 1 1/8" hole. ‡Mica-filled bakelite. Av. shpg. wt., 4 oz.

Stock No.	Type	Prongs	EACH
47 C 0024	77MIP4	4	.19
47 C 0025	77MIP5	5	.21
47 C 0026	77MIP6	6	.23
47 C 0027	77MIP7S	7 Small	.25
47 C 0029	†77MIP7L	7 Large	.28
47 C 0028	77MIP8	Octal	.21
47 C 0126	*88-8	Octal	.23
47 C 0030	*88-8X	Loktal	.33
47 C 0034	§77MIP8T	Octal	.25
47 C 0032	77MIP9	9	.25
47 C 0033	77MIP11	11	.29
47 C 0069	77MIP12	12	.30
47 C 0070	77MIP20	20	.67

**B** Type RS. High dielectric bakelite body with removable steel mounting plate. Designed for mounting in size 1 1/4" hole. Employ slotted mounting holes to fit centers from 1 1/2 to 1 7/8". Av. shpg. wt., 4 oz.

Stock No.	Type	Prongs	EACH
47 C 0004	78RS4	4	.26
47 C 0005	78RS5	5	.28
47 C 0006	78RS6	6	.30
47 C 0008	78RS8	Octal	.29
47 C 0071	78RS11	11	.35



**C** Type RSS. Ultra-low-loss steatite replacement sockets. Ruggedly constructed. Adaptable to a wide variety of uses. Excellent for use in high-frequency transmitting equipment, etc. All are universal type; have removable mounting plate with slotted holes 1 1/4 to 1 1/2". Mounting hole, 1 1/4" except Type 49RSS7L, which requires 1 1/4". Av. shpg. wt., 5 oz.

Stock No.	Type	Prongs	EACH
47 C 0074	49RSS4	4	.92
47 C 0075	49RSS5	5	.94
47 C 0079	49RSS7L	7 Large	1.69
47 C 0078	49RSS8	Octal	1.12

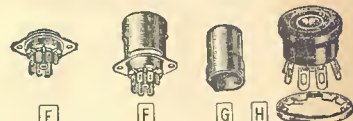
**D** Type S. High-dielectric molded bakelite body. Units are the same as Type RS, but without mounting plate. Mount quickly and easily without screws or rivets on panel or chassis up to .050" thick with retainer ring supplied. Ruggedly built for trouble-free service. Socket may be positioned to line up contacts for convenient wiring. Require keyed 1 1/4" mounting hole. Av. shpg. wt., 4 oz.

Stock No.	Type	Prongs	EACH
47 C 0054	78S4	4	.18
47 C 0055	78S5	5	.20
47 C 0056	78S6	6	.22
47 C 0057	78S7S	7 Small	.25
47 C 0058	78S8	Octal	.24
47 C 0062	78S9	9	.24
47 C 0068	78SSL	Loktal	.32
47 C 0072	78S11	11	.28

**J** Type 77-MIP8FK Floating Octal. Live-rubber grommets in enlarged mounting holes of sturdy steel plate. Mounts in 1 1/4" hole with two 1/2" holes on 1 1/2" centers. Supplied with grommets, mtg. screws, nuts, washers. Shpg. wt., 5 oz.  
47 C 0043.....41

**K** 59-402 Duodecal TV Socket. For use with oscilloscopes, other CRT's. 12 equally spaced pins on a circle diameter of 1.063". Bakelite. Removable cap. Wt., 5 oz.  
47 C 0100.....93

## AMPHENOL MINIATURE SOCKETS AND SHIELDS



Finest quality. The 147 series mount in 3/8" diameter holes, and have 7/8" mounting centers with 1/2" holes. The 59 series mount in 3/4" holes, and have 1 1/8" mounting centers with .095" holes (except Type 59-403, which is .125"). †Mica-filled. ‡Constructed of black bakelite. Av. shpg. wt., 5 oz.

### E WITHOUT TUBE SHIELD BASE

Stock No.	Type	Prongs	EACH
47 C 0191	†147-500	7	.31
47 C 0199	†147-505	7	.35
47 C 0193	†59-409	9	.36
47 C 0167	†59-410	9	.36

### F WITH TUBE SHIELD BASE

Stock No.	Type	Prongs	EACH
47 C 0194	†147-905	7	.35
47 C 0175	†147-913	7	.34
47 C 0103	†59-403	9	.35
47 C 0176	†59-407	9	.41
47 C 0196	†59-406	9	.40

### G TUBE SHIELDS

#### FOR 9-CONTACT SOCKETS

Made of cold rolled cadmium-plated steel, 5 oz.

Stock No.	Type	Height	EACH
47 C 0189	5-408	1 1/4"	.25
47 C 0190	5-409	2 3/8"	.31

### H RETAINER RING SOCKETS

Mount in 3/4" round or "D" shaped hole with retainer rings provided. May be used with Amphenol Series 91-MPM plugs. Made of black bakelite. Shpg. wt., 5 oz.

Stock No.	Type	Prongs	Pkg./5
47 C 0121	78-S3S	3	.61
47 C 0123	78-S4S	4	.79
47 C 0124	78-S5S	5	1.05
47 C 0128	78-S6S	6	1.10
47 C 0129	78-7P	7	1.47

### ACS SOCKET SHELL

Type 23-1S. Lightweight aluminum shell for Type RSS, RS and S sockets (except Type 49RSS7L). Permits extension of sockets 1/8" above or below chassis. Body dia., 1 1/8". 2 3/8" base. For 1 1/4" hole. Socket not supplied.  
47 C 0127. Wt., 5 oz.....26



### EBY NOVAR ADAPTER

Type 9330. Keep your servicing equipment up-to-date by adding this adapter. Permits testing of the 6DW4 Novar tube on existing test equipment. Each adapter supplied with complete instructions. Shpg. wt., 3 oz.  
47 C 1399..... Each 1.80



### EBY NUVISTOR ADAPTER

Type 9320. Permits testing of RCA 7-pin Nuvistor tubes using existing test equipment. Simply plug adapter into standard octal socket. Instruction sheet, 4 oz.  
47 C 1359..... Each 2.40



## AMPHENOL SPECIAL OCTAL AND MAGNAL SOCKETS

**J** Type 77-MIP8FK Floating Octal. Live-rubber grommets in enlarged mounting holes of sturdy steel plate. Mounts in 1 1/4" hole with two 1/2" holes on 1 1/2" centers. Supplied with grommets, mtg. screws, nuts, washers. Shpg. wt., 5 oz.  
47 C 0043.....41

**K** 59-402 Duodecal TV Socket. For use with oscilloscopes, other CRT's. 12 equally spaced pins on a circle diameter of 1.063". Bakelite. Removable cap. Wt., 5 oz.  
47 C 0100.....93

**L** Type 49-SS11L Magnal. Has 11 1/4" pin circle to accept 11-prong cathode-ray tubes. Low-loss steatite. Steel retaining ring for quick assembly. 1 3/8" mounting hole. 7 oz.  
47 C 0090..... 1.59



We can furnish the complete line of Amphenol, Pomona, and Eby sockets. Write for data on types not listed in this catalog.



# Sockets and Adapters, Circuit Board Kit

## CINCH-JONES SOCKETS



### 6, 8 AND 10-ICS SOCKETS FOR INTEGRATED CIRCUITS

Socket designed for integrated circuits that mount in 6, 8, or 10-lead TO-3 cases. For printed circuit board mounting. Gives convenient means for installation, removal of integrated circuit. Dialyl phthalate. Shpg. wt., 1 oz.

Stock No.	Mfr's Type	No. of Contacts	EACH
47 C 0154	6-ICS	6	.54
47 C 0155	8-ICS	8	.65
47 C 0195	10-ICS	10	.72

### POWER TRANSISTOR SOCKET



Type 2-TS1. Rugged socket designed especially for power transistors. Made of wax-impregnated KP bakelite. Has formed thread for 6-20 screw. With 104, 110° dia. hole in CR plate. Wt., 2 oz. 47 C 0713..... Each, 1.12

## EBY SOCKETS AND ADAPTERS

### 9866-15-1 TRANSISTOR SOCKET FOR TO-3 CASE



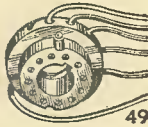
Socket for power transistors with TO-3 cases. One-piece design. High impact general purpose bakelite. Contacts are cadmium-plated brass. Special design mounting plate and terminal for complete electrical isolation of the base connection from the chassis. Shpg. wt., 1 oz.

47 C 0262..... .25

### TUBE SOCKETS



12



49

Above-Chassis Type 12-8. Octal socket. One-piece molded bakelite construction, for top-of-chassis or panel mounting. Mtg. ctrs. 1 1/16". Shpg. wt., 2 oz.

47 C 0258..... Each, .75

TV Tube Socket Type 49-13DD. All-molded bakelite, duo-decal TV tube socket for magnetic or electrostatic focusing tubes. Complete with 18" leads. Shpg. wt., 4 oz.

47 C 0291..... Each, .96

### NUVISTOR SOCKETS



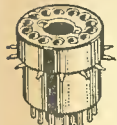
Type NU. For use with RCA Nuvistor electron tubes. NU-5 is a 5-pin type with mica-filled bakelite dielectric. NU-7 (not illus.) is a 7-pin saddle-mounting type of bakelite. 1 oz.

47 C 0260, NU-5... Ea., .24

47 C 0289, NU-7... Ea., .90

### TEST SOCKET ADAPTERS

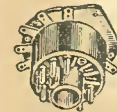
#### FOR COLOR TV CRT



Type CA-1. Test point adapter for 21" color TV picture tubes. Lets any serviceman test color CRT under actual conditions without removing tube or chassis from cabinet. Shpg. wt., 8 oz.

47 C 1384..... Each 4.07

#### FOR BLACK-&WHITE TV CRT



Type 1000. Socket adapter for testing black-&white 6-7 duo-decal picture tubes. Easy to install or remove. External lugs permit check of all CRT pin voltages while set is operating. Wt., 3 oz.

47 C 0275..... Each 1.11



**A** Type 8AB Octal Socket with 1/4" Mounting Center. General-purpose socket molded from high-dielectric black bakelite. Has brass contacts and a steel pressed-on saddle with four ground lugs. Mounts in 1-in. chassis hole. Shpg. wt., 6 oz.

47 C 3369..... Pkg. of 5 for .70

**B** Octal Sockets With 1/2" Mounting Centers. Similar to above, have clinch-on saddle with 4 ground lugs; mount in 1 1/2" hole. Ceramic unit for UHF use. Pkg. of 5, 4 oz.

Stock No.	Type	Description	PKG.
47 C 3371	8EB	Black bakelite	.70
47 C 3372	8EM	Mica filled	.85

**Miniature Sockets—Bottom Mounting.** Molded bakelite. Solder-coated brass contacts; cadmium plated steel saddle. 7EB mounts in 3/4" hole; 76" mtg. centers. 9EB mounts in 3/4" hole; 1 1/2" centers. Shpg. wt., 5 oz.

Stock No.	Type	Fig.	Description	E.A.
47 C 1126	7EB	C	7-pin, bakelite	.12
47 C 1128	9EB	D	9-pin, bakelite	.14

### WAFER-TYPE TUBE SOCKETS



Laminated-bakelite tube sockets widely used in radio and TV sets, mobile units, etc. Have solder-coated brass contacts for easy soldering. \*With center shield. Pkg. of 5. Shpg. wt., 4 oz.

Stock No.	Type	Centers	Pins	Pkg. of 5
47 C 0414	8W1	1 1/2"	8	.65
47 C 0415	8W2	1 1/2"	8	.65
47 C 0416	9W1*	1 1/2"	9 (min.)	.70

## ELCO PRINTED-CIRCUIT AND TRANSISTOR SOCKETS

### RETAINER MOUNT SOCKETS



In-line sockets of mica-filled phenolic. For transistors and subminiature tubes. Contacts are gold flashed. Require retainers listed below. Pkg. of 5. Wt., 3 oz.

Stock No.	Type	Prongs	Pkg. of 5
47 C 1071	05-0799	3	.62
47 C 1089	05-0803	4	.77

Retainer Ring For Above Sockets. Designed for Type 05-0799 and 05-0803 transistor and miniature tube sockets above. 2 oz.

47 C 1096..... Pkg. of 5 for .07

### PRINTED CIRCUIT SOCKETS



Sub-miniature, mica-filled phenolic socket for use on printed circuit boards. For transistors and sub-miniature type tubes. All contacts gold flashed. Shpg. wt., 2 oz.

Stock No.	Type	Prongs	Pkg. of 5
47 C 5562	05-0786	3	.66

### UHF PRINTED-CIRCUIT STANDOFF SOCKETS



For 7 and 9-pin miniature tubes. Have low-loss, mica-filled insulators. Silver-plated, phosphor-bronze contacts. 4 oz.

Stock No.	Mfr's Type	Pins	Pkg. of 5
47 C 5521	05-0730-01	7	1.16
47 C 5526	05-0930-01	9	1.14



### OCTAL AND MINIATURE TUBE SOCKETS

**Miniature Sockets for Top of Chassis Mounting.** Durably constructed of molded bakelite. Brass contacts. Type 7AB1 mounts in 3/4" hole; has 7/8" mounting centers. Type 9AB mounts in 3/4" hole; has 1 1/8" mounting centers. Av. shpg. wt., 2 oz.

Stock No.	Type	Fig.	Description	E.A.
47 C 1117	7AB1	C	7-pin, bakelite	.14
47 C 1119	9AB	D	9-pin, bakelite	.14

**E** Type 8R1 Ring-Mounting Octal Sockets. Molded black bakelite tube socket has solder-coated brass contacts. Mounts in 1 1/4"-keyed hole. With retainer ring. Chassis thickness, 1/8". Pkg. of 5. Wt., 2 oz.

47 C 3373..... Pkg. of 5 for 1.05

47 C 3375. Type 8 RO Retainer Ring. Extra ring for above. Wt., 1 oz. Pkg./5 for .45

**Type 8AP Adapter Plate.** Rugged adapter plate for use with ring sockets when screw or rivet mounting is required. Adapter plate has slotted 1 1/2" to 1 7/8" mounting centers; 1 1/4" keyed hole. Shpg. wt., 1 oz.

47 C 3376..... Pkg. of 5 for .50

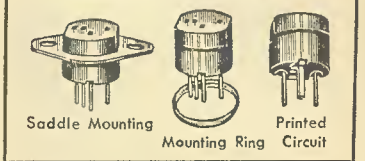
### NOVAR SOCKET



Type 9NS-B. For 9-pin novar tubes. Top-mounting. Meets or surpasses EIA standards. Molded out of high-dielectric black bakelite. Has cadmium-plated brass contacts. Same dimensions as octal sockets, above. With 1 1/2" mounting center. Pkg. of 5. Wt., 3 oz.

47 C 1356..... Pkg. of 5 for .80

### TRANSISTOR SOCKETS



Subminiature mica sockets eliminate loss and damage from direct soldering of transistor pins. For 3-pin transistors with in-line pins or 3 and 4-pin transistors with pins on .200" dia. circle of any configuration. Conform to MIL-P-14. \*Requires ring listed. Wt., 2 oz.

Stock No.	Type	Fig.	Mtg.	Pkg./5
47 C 1042	05-3301	F	Saddle	.98
47 C 1043	05-3303	F	PC	.80
47 C 1044	05-3304	F	PC	.79
47 C 1045	05-3305	F	PC	.80
47 C 1046	05-3307	G	*MR	.95
47 C 1047	05-3308	G	*MR	.94
47 C 1048	05-3313	H	*MR	1.12
47 C 1049	65-00047220		Mtg. ring	.15



### JAN CRYSTAL SOCKETS

\*MIL TS0205C01. For .486" pin spacing. .050" pin dia. 2 oz.

Stock No.	Mfr's Type	Pkg. of 5
47 C 5542	*05-0210-01	.66
47 C 5543	05-0210-04	.73

## VERO MODEL BK-6 BOARD KIT



Basic circuit board kit with six Vero-boards and spot face cutter. Laboratories, experimenters, training institutes, hobbyists will find that this new modular approach to circuit construction will save time, labor and offer valuable training in the most advanced method of circuitry. With Vero-boards you can use components to virtually write a schematic diagram on to the circuit board using the copper strips as supply lines. Lay parts on board with leads in holes, break strips with cutter, and solder. In minutes you have a finished circuit without clips, terminals, wire or tools. Complete with instruction sheet. Shpg. wt., 2 lbs.

47 C 6001..... .595

# Vector Adapter and Breadboard Kits

## VECTOR-PAK 28X HIGH-FREQUENCY CIRCUIT BREADBOARDING KIT



Vector-Pak 28X

Complete "RF tight" kit for packaging circuits operating at VHF frequencies, and up through UHF ranges where "plumbing" type lines are generally required. Virtually duplicates circuit performance achieved by more expensive construction techniques. Also permits making circuit and component changes very quickly and easily. Circuit may be slipped out without effort and replaced with another.

Kit consists of two parts; an 8 1/2 x 3 x 2" aluminum case with 2 slide-out shield sides for ready access to the enclosed copper-clad circuit board; and the circuit assembly hardware. Case provides an RF-tight, completely shielded enclosure. Circuit assembly hardware includes: 1 pre-punched, copper-clad, epoxy glass Vectorboard (8 1/2 x 3 x 1/8"); 4 standoff terminal strips with 8 terminals; 2 standoff terminal strips with 12 terminals; 3 punched wall strips (.64 x 1.94") with "L" mounting brackets, no terminals; 3 copper-clad punched strips for internal shielding (.90 x 2.83"); 50 "Minklip" terminals; 1 terminal inserting tool; 1 pad cutter tool; 3 triode type transistor sockets, no saddle; 3 right-angle-mounting triode type transistor sockets; 2 power transistor sockets; 36 mounting screws (#0-80 x 3/16") with nuts; 1 socket wrench for nuts; 15 steel spacers; 10 epoxy glass transistor mounting pads; 1 roll of #24 copper wire, vinyl covered; 1 roll of tinned copper wire; 18 pieces of plastic tubing for copper wire with 1/16" O.D.; 50 eyelets (1/16 x 7/32").

All circuit components mount close to copper ground plane by using terminal strips, sockets and hardware. Less case, below. Shpg. wt., 2 lbs.

47 C 6034, Complete 28X Kit, ..... 27.50  
47 C 6036, Type HF-20/86-31 Case Only, With 2 sliding sides. Sturdy aluminum. Shpg. wt., 8 oz. 5.50



Pad Cutter Tool



568-1C



8-20

### BREADBOARD ACCESSORIES

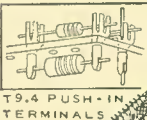
**Solderless Sockets.** Reliable solderless "Spring-clips" are soldered to socket contacts. Up to 6 leads connect to each "Spring-clip" for fast, reliable connection. Sockets mount on any "A" or "AA" pattern. Vectorboard with furnished hardware. 1/4 oz.

Stock No.	Mfr's Type	Description	EACH
47 C 5614	567-1C	8-Pin Octal	1.50
47 C 5615	568-1C	9-Pin Novol	1.65
47 C 5616	569-1C	7-Pin Miniature	1.35
47 C 5617	570B	4-Lead Transistor	1.20

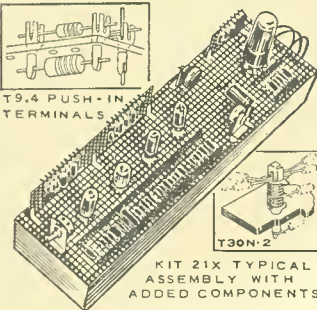
**B20 Pot and Switch Brackets.** Aluminum brackets fit any "A" or "AA" Vectorboard. 2x1x1/4".  
47 C 5618, Shpg. wt., 4 oz. .... Pkg. of 4 for .48

**Bus Strippings.** Brass strips .2" wide; .093" holes, .265" ctrs. Mount with T-9.4 terminals. T-30 clips or #4 self-tap screws. ("A" or "AA" pattern).  
47 C 5620, T 58 8" Strips. 1/4 oz. .... Pkg. of 10 .77  
47 C 5619, T 57 16" Strips. 1/2 oz. .... Pkg. of 10 1.21

### EXPERIMENTERS' CHASSIS KITS



T9.4 PUSH-IN TERMINALS



KIT 21X TYPICAL ASSEMBLY WITH ADDED COMPONENTS

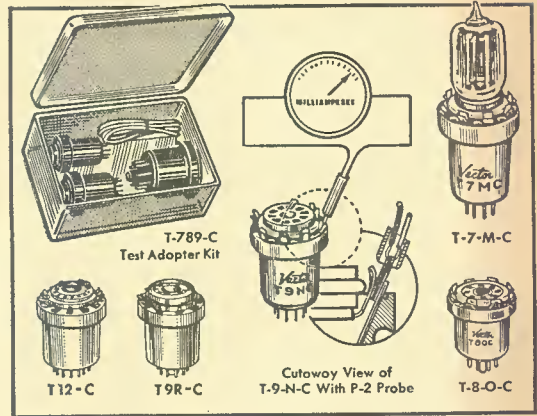
Designed for rapid setup of experimental circuits with simple hand tools. For tube or transistor circuits. Include push-in terminals, perforated XXXP phenolic decks, aluminum supports, T-30N-2 installation tool, spring pressure tool, hardware. Terminals: T-9.4 (push-in type requires soldering); T-30N-2 "Spring-clip" type with winged washer for easy push-down, holds up to 6 wires tightly, without soldering, crimping, bending. New patchords slip in between spring coils of solderless terminals and speed wiring. Type 20X has 1 deck; Type 21X has 1 large and 2 small decks, 8 patchords; Type 22X has 1 large and 2 small decks, 6 patchords; Type 23X has 1 large deck plus 2 smaller decks, 14 patchords; Type 25X has 1 large and 2 small decks, 10 patchords, wood, aluminum parts. Shpg. weights: 20X, 1 lb.; 21X, 2 1/4 lbs.; 22X, 1 3/4 lbs.; 23XA and 25X, 3 1/2 lbs.

Stock No.	Type	L. Deck	Small Deck	EACH
47 C 0906	20X	4 3/4 x 8 1/2	1 3/8 x 1 2 3/4 x 3 1/2	6.75
47 C 0907	21X	4 3/4 x 11 7/8	1 3/8 x 1 2 3/4 x 3 1/2	16.75
47 C 0908	22X	4 3/4 x 8 1/2	1 3/8 x 1 2 3/4 x 3 1/2	11.50
47 C 0945	22XA	8 1/2 x 11 7/8	1 3/8 x 1 2 3/4 x 3 1/2	28.00
47 C 0909	25X	8 1/2 x 17 1/8	1 3/8 x 1 2 3/4 x 3 1/2	21.45

### KITS ABOVE INCLUDE THE FOLLOWING

Mfr's Type	Terminals			Patch-cords	Tube Sockets				Trans.Skts.	
	T-9.4	T-30 N-2	T-32A		7P	8P	9P	3, 4P	Power	
20X	75	0	0	8	3	3	3	0	0	0
21X	100	50	0	8	3	3	3	3	2	2
21X	75	20	0	6	3	0	0	6	6	2
22XA	100	100	18	14	0	0	0	6	4	4
25X	100	90	10	13	3	2	2	4	4	4

## CURRENT/VOLTAGE-TEST TUBE-SOCKET ADAPTERS



**Type T-7-M-C Socket Test Adapter.** Fits shield base for 7-pin miniature tube socket. Lets you make accurate voltage, current and waveform measurements from top-side of chassis. Tabs are a pair of spring contacts which separate electrically when optional Dual Side P-2 Probe (see table below) is inserted. Probe "breaks" circuit, and gives current or voltage reading to your meter. Electrostatic capacity approx. 1pF. Flash-over voltage, over 1500 VDC. Has phenolic shell, socket and plug. Length, less prongs, 1.47". Shpg. wt., 3/4 oz.

**T-8-O-C Socket Test Adapter.** Fits 8-pin octal tube clamps. Same specs as T-7-M-C test adapter except lgth. less prongs is 1.5". Wt., 1 1/2 oz.

**T-9-N-C Socket Test Adapter.** Fits into shield base for 9-pin miniature types. Has same specs as T-7-M-C test adapter. Shpg. wt., 3/4 oz.

**Type T-9-R-C Socket Test Adapter.** Fits 9-pin Novar socket. Has same specs as T-7-M-C except length less prongs, 1.56". Shpg. wt., 2 oz.

**Type T-12-C Socket Test Adapter.** Fits 12-pin Compactor socket. Has same specs as T-7-M-C except length less prongs, 1.56". Wt., 2 oz.

Stock No.	Type	Socket	Body Dia.	Skirt Dia.	Oz.	EACH
47 C 6035	T-7-M-C	7-Pin Min.	.75"	1.03"	3/4	2.53
47 C 6037	T-8-O-C	8-Pin Oct.	1.26"	1.56"	1 1/2	3.19
47 C 6038	T-9-N-C	9-Pin Min.	.87"	1.16"	3/4	2.70
47 C 4528	T-9-R-C	9-Pin Nov.	1.26"	1.56"	2	3.65
47 C 4527	T-12-C	12-Pin Comp.	1.26"	1.56"	2	3.85
47 C 6040	P-2	Dual Sided Plug-in Probe			1/2	.79

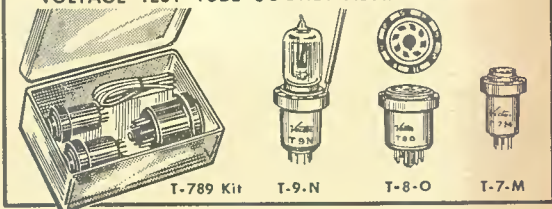
### TYPE T-789-C COMPLETE 3-SOCKET ADAPTER KIT

Has T-7-M-C, T-8-O-C, T-9-N-C adapters, P-2 Probe, plastic case. 47 C 6039, Shpg. wt., 6 oz. .... 9.74

### TYPE T-912-C-COMplete 2-SOCKET ADAPTER KIT

Has T-9-R-C, T-12-C adapters, P 2 probe, plastic case. 47 C 1902, Shpg. wt., 6 oz. .... 8.29

### VOLTAGE-TEST TUBE-SOCKET ADAPTERS and KIT



**Type T-7-M Socket Adapter.** Similar to T-7-M-C above, but without current-measuring feature. Fits 7-pin miniature tube socket. Tabs on adapter designed to grip optional P-1 Probe, listed below. Flashover voltage in excess of 1500 VDC. Length, less prongs, 1.57". Wt., 1/2 oz.

**Type T-8-O Socket Adapter.** Fits standard 8-pin octal tube clamps. Has same specifications as T-7-M above. Shpg. wt., 3/4 oz.

**Type T-9-N Socket Adapter.** Fits into shield base for 9-pin miniature types. Has same specifications as T-7-M above. Shpg. wt., 1/2 oz.

Stock No.	Mfr's Type	Socket	Shell Body Dia.	Shell Skirt Dia.	EACH
47 C 0040	T-7-M	7-Pin Min.	.75"	1.03"	1.65
47 C 0041	T-8-O	8-Pin Oct.	1.25"	1.56"	1.75
47 C 0042	T-9-N	9-Pin Min.	.87"	1.16"	1.85
47 C 0044	P-1	Plug-in Probe			.52

### TYPE T-789 COMPLETE 3-SOCKET KIT

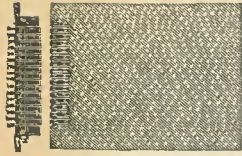
Includes all 3 of the voltage-test tube-socket adapters described above—Types T-7-M, T-8-O and T-9-N—plus a handy P-1 probe. Comes in sturdy plastic case. Shpg. wt., 6 oz. .... 5.90



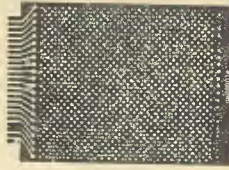
# Terminal Boards, Terminals, and Knobs

## VECTOR "PLUGBORDS," RECEPTACLES, "VECTORBORD" AND TERMINALS

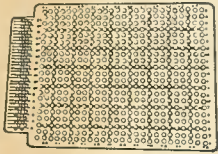
### "PLUGBORDS" AND RECEPTACLES



R616-1



R12



2536-WE

"Plugboards." Manufactured of sturdy  $\frac{1}{8}$ " thick epoxy paper, BXNXP per MIL-P-22324 except \* are  $\frac{1}{8}$ " epoxy glass, Grade G-10 per MIL-P-18177. All plugboards except Type 2536WE have grid of .062" holes on alternate 0.1" centers. Type 2536WE has .093" holes on 0.2" grid and number matrix for easy hole identification. Type 838PWE has an etched copper pad network. All contacts are on .156" centers and .072" wide except  $\frac{1}{8}$ " wide. Av. shpg. wt., 2 oz.

Stock No.	Mfr's Type	Size	No. of Contacts	EACH
47 C 0928	812	4 1/2 x 6 1/2"	16	2.24
47 C 5606	812WE*	4 1/2 x 6 1/2"	16	2.24
47 C 0927	837	3 x 4 1/2"	12	2.24
47 C 5607	837WE	3 x 4 1/2"	12	2.48
47 C 5609	838A	4 1/2 x 6 1/2"	22	2.70
47 C 5611	838PWE*§	4 1/2 x 6 1/2"	22	3.51
47 C 5608	848WE*	4 1/2 x 6 1/2"	35	5.86
47 C 6022	838	4 1/2 x 6 1/2"	43	3.74
47 C 6023	2536WE*	4 1/2 x 6 1/2"	35	6.70

Receptacles. All types come equipped with solder and taper tab leads. Av. shpg. wt., 3 oz.

Stock No.	Mfr's Type	No. of Contacts	For	EACH
47 C 6024	R612-1	12	837, 837WE	1.80
47 C 6026	R616-1	16	812, 812WE	2.24
47 C 5612	R644	44	838PWE, 838 and A	2.62
47 C 5635	R635	35	848WE, 2536WE	4.91



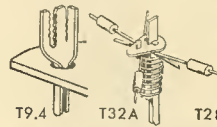
Pattern G



Pattern A, AA, B, F

"Vectorbord." For bread board or production applications. No suffix letters indicate boards are phenolic. BXNXP per MIL-P-3115B; Suffix EP indicates epoxy paper, BXNXP per MIL-P-22324, suffix WE indicates epoxy glass. G-10 per MIL-P-18177. Patterns A, B, F, G are  $\frac{1}{8}$ " thick; AA is  $\frac{1}{2}$ " thick. Patterns A and AA have .093" holes on 265" grid; B has .062" holes on 180" grid; G has .062" holes on staggered 0.1" grid; F has .062" holes on 2" grid, 17" long except \* $\frac{1}{8}$ ". Push-in T9.4 and T32A terminals, below, fit Pattern A and AA. T-28 fit B, F and G. Av. wt., 7 oz.

Stock No.	Mfr's Type	Width	Pattern	No. Holes	EACH
47 C 0916	85G24EP	4 1/4"	G	(85x23)x2	2.06
47 C 0917	32AA18	4 1/4"	AA	32x18	.84
47 C 0918	64A18	4 1/4"	A	64x18	1.25
47 C 0919	64AA18	4 1/4"	AA	64x18	1.60
47 C 0926	32AA9*	2 1/4"	AA	32x9	.60
47 C 5601	64A18WE	4 1/4"	A	64x18	3.72
47 C 5604	85G24WE	4 1/4"	G	(85x23)x2	3.81
47 C 5605	85F24EP	4 1/4"	F	85x23	2.06
47 C 6008	64AA18EP	4 1/4"	AA	64x18	2.73
47 C 6009	42G24WE*	4 1/4"	G	(42x24)x2	1.89
47 C 6005	45B30*	5 1/2"	B	45x30	.84
47 C 6006	90B30	5 1/2"	B	90x30	1.62
47 C 6007	64AA32	8 1/2"	AA	64x82	2.45



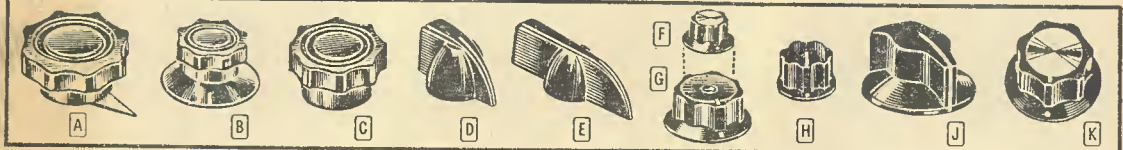
### PUSH-IN TERMINALS

Hold multiple leads, need no staking. Type T9.4 have slots for small and large leads. Type T32A spring clips hold up to six .035" dia. wires without soldering. Type T28 terminals are designed for subminiature components. Shpg. wt., per pkg. of 100, 3 oz.

Mfr's Type	Fits Holes	Stock No.	PER PKG. OF 100	Stock No.	PER PKG. OF 1000
T9.4	.093"	47 C 0878	1.38	47 C 1437	9.79
T28	.062"	47 C 0879	1.55	T28	11.00
T32A	.093"	47 C 6046	9.90	47 C 6047	75.00

Insertion Tools. Simplify insertion of push-in terminals. Av. wt., 2 oz.  
 47 C 0601, Type P-91. For T28 terminals.....50  
 47 C 0603, Type P-92A. For T30N-2 and T32A terminals.....50  
 47 C 0607, fit P-122. For T9.4 terminals.....1.00

### KURZ-KASCH MOLDED KNOBS

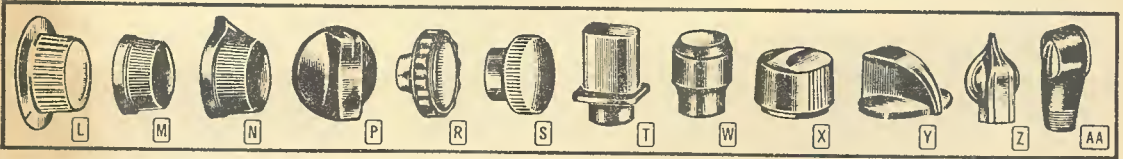


Figs. A-C are quality fluted knobs. Functionally designed—add custom appearance to Amateur and experimental equipment. Durable, high-gloss bakelite. H have metal inserts with setscrew to fit flattened or round  $\frac{1}{4}$ " shafts. Av. shpg. wt., 4 oz. Fig. D-K are handsomely styled plastic

knobs for replacement or original equipment use. \*For dual concentric shafts. H have aluminum inlay. All other knobs are equipped with setscrews to permit use with either round or flattened  $\frac{1}{4}$ " shafts. Av. shpg. wt., 3 oz.

Stock No.	Fig.	Size	Color	EACH	Stock No.	Fig.	Size	Color	EACH	Stock No.	Fig.	Size	Color	EACH
47 C 3414	A	1 1/2"	Black	.44	47 C 3421	B	2 1/4"	Black	.72	47 C 3406	F	3/4"	Black	.18
47 C 3415	A	1 1/2"	Black	.49	47 C 3398	D	1 1/4"	Black	.11	47 C 3404	F	1 1/4"	Black	.18
47 C 3416	A	2 1/2"	Black	.68	47 C 3399	D	1 1/4"	Red	.11	47 C 3405	*F & G	3/4"-1 1/4"	R & B	.30
47 C 3417	C	1 1/2"	Black	.24	47 C 3400	†D	1 1/4"	Black	.17	47 C 3409	H	3/4"	Black	.42
47 C 3418	C	1 1/2"	Black	.32	47 C 3401	E	2"	Black	.19	47 C 3410	J	1 1/4"	Black	.45
47 C 3419	C	2 1/2"	Black	.49	47 C 3402	E	2"	Red	.30	47 C 3411	§K	1 1/4"	Black	.37
47 C 3420	B	1 1/2"	Black	.65	47 C 3403	†E	2"	Black	.28	47 C 3412	§K	1 1/4"	Red	.49

### HARRY DAVIES MOLDED KNOBS



Handsomely designed molded plastic knobs for replacement or original equipment use. Knobs are ideal for volume and tone controls on television receivers, radios, high fidelity systems, test instruments, almost all types of electronic equipment. Fig. M and N are for small radios.

\*For knurled shafts; †screws onto 8-32 threaded shaft; ‡screws onto 6-32 threaded shafts; §self-locating friction fit for flat wire shafts; all others equipped with setscrews to permit use with either round or flattened  $\frac{1}{4}$ " shafts. Shpg. wt., 3 oz.

Stock No.	Fig.	Size	Color	EACH	Stock No.	Fig.	Size	Color	EACH	Stock No.	Fig.	Size	Color	EACH
47 C 4127	L	1 1/2"	Black	.16	47 C 4140	N	1"	Black	.15	47 C 4166	†T	5/16"-1/2"	Black	.08
47 C 4129	L	2 1/2"	Black	.17	47 C 4141	P	1 1/8"	Black	.13	47 C 4168	†W	3/16"-1/2"	Black	.07
47 C 4136	*M	1 1/4"	Black	.06	47 C 4142	P	1 1/8"	Red	.13	47 C 4170	X	3/4"	Black	.13
47 C 4134	M	1"	Black	.10	47 C 4143	R	7/8"	Black	.14	47 C 4171	V	1 3/8"	Black	.12
47 C 4137	M	1"	Black	.14	47 C 4145	R	1 3/4"	Black	.20	47 C 4175	Z	1 1/4"	Black	.13
47 C 4138	N	1 1/4"	Black	.10	47 C 4146	†S	3/4"	Black	.09	47 C 4184	AA	1 1/2"	Black	.20

# Dials and Accessories, Knobs Couplings

## NATIONAL CALIBRATED KNOBS

For any equipment. Types R, HRS-3, and HRS-5 are numbered 0-10 over arcs shown in scale column of table below. HRS-4 has single, etched center line. All fit 1/4" shafts. HRS types of molded Tenite with chromed bevel dial; Type R of molded bakelite, flat aluminum dial. Av. shpg. wt., 2 oz.



Stock No.	Type No.	Fig.	Color	Scale	Dia.	EACH
47 C 2106	HRS-3	A	Black	0-10; 300°	1 7/8"	.66
47 C 2107	HRS-3	A	Gray	0-10; 300°	1 7/8"	.66
47 C 2125	HRS-4	A	Black	1-line	1 7/8"	.66
47 C 2126	HRS-4	A	Gray	1-line	1 7/8"	.66
47 C 2128	HRS-5	A	Black	0-10; 180°	1 7/8"	.66
47 C 2136	R	B	Black	0-10; 180°	1 7/8"	.69

## NATIONAL HR SERIES KNOBS

A matched line for industrial and consumer use. Made of molded Tenite in a variety of styles and sizes. All knobs in this series share a family resemblance, giving job a unitized appearance.



Stock No.	Type	Fig.	Description	Wt.	E.A.
47 C 2180	HRM	F	Satin chrome finish, 3/4" dia.	2 oz.	.96
47 C 2176	HR	F	Black; white dot, 1 1/4" dia.	2 oz.	.39
47 C 2177	HR	F	Gray; same as above	2 oz.	.39
47 C 2178	HRT	G	Black; chrome insert, 2 1/2" dia.	3 oz.	1.04
47 C 2185	HRT-M	G	Same as above, but 1 1/2" dia.	2 oz.	.58

## NATIONAL TYPE MCN VERNIER DIAL

Small vernier dial with 5:1 drive. Perfect for mobile gear and small converters and tuners. Mechanism extends 1/4" below frame. Offers three blank calibrating scales and 0-100 logging scale. Black wrinkle finish. With hardware, and hub for 1/4" shafts. 2 3/4" high; 3 7/8" wide. Shpg. wt., 10 oz.



47 C 2171 ..... 7.20

## NATIONAL TYPE AVD-250 PLANETARY DIAL-DRIVE

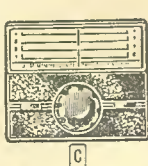
Smooth-operating planetary vernier tuning mechanism. Provides 5:1 tuning ratio. Output torque is 1-3 inch-pounds. Designed for front-of-panel mounting, has four 3/32" holes on 2 5/8" mounting centers. For use with 1/4" control shafts. Has un-insulated output hub. Overall length, 1 1/4". Overall diameter, 2 3/8". Drive shaft diameter, 1/4". Shpg. wt., 8 oz.



47 C 2025 ..... 2.63

## MILLEN MULTI-SCALE DIALS

**C** Type 10035. Deluxe illuminated slide-rule dial. Two built-in pilot lights provide even illumination. Has 12 to 1 drive with 4 blank scales for calibration and one 0-100 logging scale. Scale can be used on both sides. Clear plastic dial window. Ample panel space for 2 small controls. 8 1/2"x6 1/2". Black finish. Shpg. wt., 2 1/2 lbs.

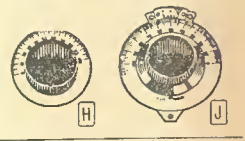


**D** Type 10039 Midget Panel Dial. Economy model. Drive ratio is 8 to 1. Totally self-contained mechanism eliminates back of panel interference; has 5 blank scales for calibration and one 0-100 logging scale. Black finish. Size, 4x3 1/4". Shpg. wt., 13 oz.

47 C 3242 ..... 7.75

## NATIONAL CALIBRATED DIALS

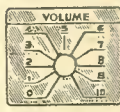
Smooth operating, dependable, and attractive dials for a wide range of equipment. Knobs are black bakelite with dials of nickel-plated brass. 5:1 tuning ratio; have collars to fit 1/2" shafts. "N" Series has vernier scale readout; "AM" Series, dial pointer. \*Measured from knob crest to mtg. plate back.



Stock No.	Mfr's Type	Fig.	*Depth	Skirt Style	Scale	Dia.	Wt. Oz.	E.A.
47 C 2113	AM-2	H	1 7/8"	Beveled	0-100; 180°	3"	10	5.25
47 C 2150	AM-5	H	1 7/8"	Beveled	200; 360°	3"	10	5.25
47 C 2151	AM-6	H	1 7/8"	Beveled	0-150; 270°	3"	10	5.25
47 C 2000	N-2	J	1 7/8"	Flat	0-100; 180°	4"	12	2.68

## WALDOM DIAL PLATES

Square. Attractive anodized aluminum dial plates with black scales. Use with 1 1/4" bar knob. Gives custom look to hi-fi and P.A. amps, preamps, recorders, etc. Size, 2 1/2"x2 1/2", with 1 3/32" center hole. Wt., 2 oz.



Stock No.	Type	Description	EACH
47 C 3121	426	Volume, 0-10	.41
47 C 3130	410	No title, 0-10	.41

Round. Etched aluminum scale with black background, 1 3/4" dia. Type 25 has clockwise arrow labeled "Volume." One-hole mtg. For amplifiers, modulators, phono, etc. Use with 1 1/4" bar knobs. 1 1/2" center-hole. 2 oz.



Stock No.	Type	Description	EACH
47 C 3131	25	Volume	.34
47 C 3135	56A	0-100, 180°	.34
47 C 3136	905	0-100, 270°	.34

## WALDOM SWITCH PLATE

Etched aluminum with black background. 1 1/2"x1 1/2". Shpg. wt., 2 oz.



47 C 3139 ..... 20

## H. H. SMITH FLEXIBLE SHAFTS

Non-rusting phosphor-bronze flexible shafts with 1/4" hubs. Ideal for connecting out-of-line shafts together. Handy accessory for Amateurs, labs, etc. Permit up to 90 degrees angular control. Av. wt., 2 oz.

47 C 4088, Type 151. Length, 3' ..... 45  
47 C 4089, Type 152. Length, 6' ..... 65

## SMITH PANEL BEARING ASSEMBLY

For use with couplings at right on panels up to 3/16" thick mounted on 3/16" controls. Brass bearing has stub for knob with 1/4" shaft on other side. Av. shpg. wt., 7 oz.



47 C 4090, Overall length, 3". Pkg. of 2/66  
47 C 4091, Overall length, 6". Pkg. of 2/100  
47 C 4092, Bearing only ..... Pkg. of 5/75

## WALSCO

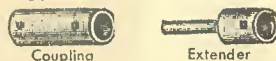
### DIAL CORD SPOOLS

Cords with nylon sleeves over fiberglass or linen cores. Prestretched to prevent stretching and slipping; maintain proper tension. Av. wt., 4 oz.



Stock No.	Mfr's Type	Dia.	Strth. (Lbs.)	Lgth. (Ft.)	E.A.
47 C 3194	652-Med.	.040"	35	25	.83
47 C 3198	656-Thin.	.025"	15	25	.83
47 C 3199	654-Std.	.032"	20	25	2.59
47 C 3197	652-Med.	.040"	35	100	2.59
47 C 3195	656-Thin.	.025"	15	100	2.59
47 C 3196	654-Std.	.032"	20	100	2.59

## SMITH SHAFT FITTINGS



Couplings for extending shafts, or for ganging single units, even when shafts are not same diameter. Extenders for decreasing or increasing shaft diameter and for extending shaft length. 1st size is opening; 2nd, shaft dia. Extenders, 3/4" shaft length; overall, 1 1/8". Av. wt., 4 oz. \*Brass; insulated.

Stock No.	Type	Size	EACH
47 C 1105	Coupling*	1/4 to 1/4"	.22
47 C 1108	Extender*	1/4 to 1/4"	.35
47 C 1109	Extender*	3/8 to 1/4"	.35
47 C 1111	Coupling†	1/4 to 1/4"	.20
47 C 1113	Extender†	1/4 to 1/4"	.30

## HAMMARLUND COUPLINGS

Type FC-465. Sturdy, slip-proof insulated flexible coupling. 4 set screws (2 on each side). For 1/4" dia. shafts. Shaft clearance, 3/32". Flash voltage, 5000 V. Size 1 1/4"x1 1/2". Shpg. wt., 3 oz.

47 C 2403 ..... 1.50  
Type FNC-465. As above, but non-insulated type. Nickel-plated brass ring. 1 1/4" dia.x2 3/8". 47 C 2404, Shpg. wt., 3 oz. .... 1.20



## ACCURATE ELECTRIC

### INSULATED COUPLING

10158. Connects shafts to switches, controls, etc. Bakelite insulation. For 1/4" shafts. With setscrews. Shpg. wt., 2 oz.

47 C 2405 ..... .53



## NATIONAL FRONT-PANEL

### RIGHT-ANGLE DRIVE

Type RAD. Front panel control for variable capacitors, potentiometers, etc., at right angles to panel. Saves space by permitting greater freedom in parts layout. May be used to drive two units. Die-cast aluminum housing and gear. 2 1/2"x1 1/4" shaft. Shpg. wt., 6 oz.

47 C 2173 ..... 4.31



## MILLEN COMPONENTS

### FLEXIBLE COUPLINGS

Provide high flexibility, no backlash, high breakdown voltages, small diameter, accurate alignment. 39001 insulated, 39006 slide-action type for eccentric shaft motion. 39005 (high torque) like 39001 but not insulated. 39016 (illus) molded as single unit to resist shock. All for 1/4" shafts. Shpg. wt., 2 oz.

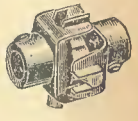
Stock No.	Type	Description	E.A.
47 C 3208	39001	Universal joint	.75
47 C 3212	39005	Universal joint	.75
47 C 3213	39006	Slide action	.75
47 C 3214	39016	Barrier	.75



### MINIATURIZED COUPLINGS

For limited space use. Type M006 (illus.) is universal joint style made of nickel-plated brass with stearite ceramic insulation and spring fingers. Type 39003 is solid brass for 1/4" shafts. M006 and M008 for 1/8" shafts. Av. shpg. wt., 2 oz.

Stock No.	Type	Description	E.A.
47 C 3205	M006	Univ. joint coupling	1.05
47 C 3206	M008	Insul. brass insert	.69
47 C 3207	39003	Solid brass coupling	.30



### 10000-A WORM DRIVE

Offers 16-to-1 step-down ratio. Rugged cast aluminum frame is drilled for secure mounting on panel or chassis base. Spring-loaded split gears for smooth action. 1/4" left/right-hand shafts. 3x2x3 3/8". Wt., 6 oz.

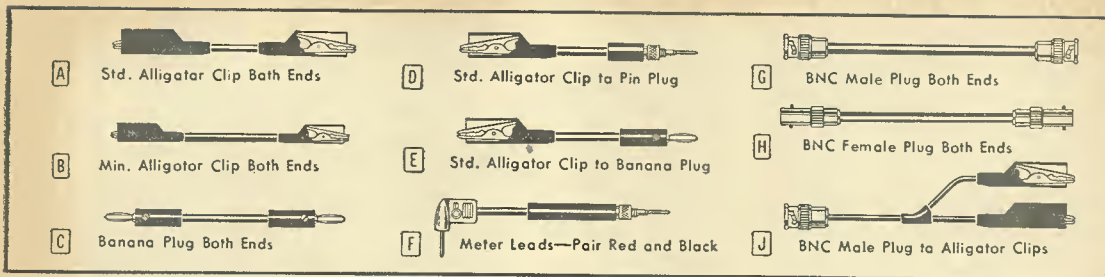
47 C 3216 ..... 15.4





# Test Leads, Prods and Clips

## H. H. SMITH SHIELDED AND UNSHIELDED TEST LEADS



Provide firm mechanical and electrical contact. Feature No. 18 AWG 20,000 volt insulated wire that is extra-flexible and kinkless. Handles are of molded tenite, and/or molded bakelite. Cadmium-plated steel clips.

Nickel-plated brass tips. Vinyl plastic boots. Shielded cable types use RG-58C/U coaxial cable, except \*low-cap. cable. †Pair, red and black #20 wire, 5 kv. Av. wt., 5 oz.

### UNSHIELDED TEST LEADS

Stk. No.	Type	Ft.	Color	Fig.	E.A.
47 C 1851	1596-12-102	1	Red	A	.47
47 C 1850	1596-12-103	1	Black	A	.47
47 C 1856	1596-36-102	3	Red	A	.51
47 C 1855	1596-36-103	3	Black	A	.51
47 C 1861	1596-60-102	5	Red	A	.55
47 C 1860	1596-60-103	5	Black	A	.55
47 C 1863	1597-12-102	1	Red	B	.47
47 C 1862	1597-12-103	1	Black	B	.47
47 C 1865	1597-36-102	3	Red	B	.51

Stk. No.	Type	Ft.	Color	Fig.	E.A.
47 C 1864	1597-36-103	3	Black	B	.51
47 C 1867	1597-60-102	5	Red	B	.55
47 C 1866	1597-60-103	5	Black	B	.55
47 C 1901	1863-12-102	1	Red	C	.72
47 C 1874	1863-12-103	1	Black	C	.72
47 C 1904	1863-36-102	3	Red	C	.76
47 C 1903	1863-36-103	3	Black	C	.76
47 C 1905	1863-60-102	5	Red	C	.80
47 C 1908	1863-60-103	5	Black	C	.80

Stk. No.	Type	Ft.	Color	Fig.	E.A.
47 C 1923	1865-36-102	3	Red	D	.56
47 C 1922	1865-36-103	3	Black	D	.56
47 C 1925	1865-60-102	5	Red	D	.60
47 C 1924	1865-60-103	5	Black	D	.60
47 C 1930	1866-36-102	3	Red	E	.61
47 C 1929	1866-36-103	3	Black	E	.61
47 C 1935	1866-60-102	5	Red	E	.65
47 C 1931	1866-60-103	5	Black	E	.65
47 C 4371	†0625	4	Black	F	1.50

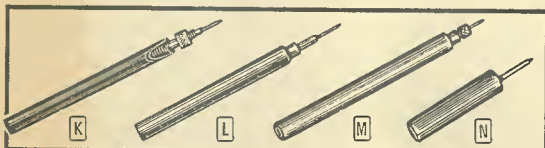
### COAXIAL-CABLE SHIELDED TEST LEADS

47 C 1969	1589-12	1	Black	G	5.35
47 C 1973	1589-36	3	Black	G	5.55
47 C 1974	1589-60	5	Black	G	5.75

47 C 1979	1869-36	3	Black	H	6.30
47 C 1980	1869-60	5	Black	H	6.50
47 C 1986	*1537-12	1	Gray	J	5.35

47 C 1987	*1537-36	3	Gray	J	5.55
47 C 1990	*1537-60	5	Gray	J	5.75

## H. H. SMITH TEST PRODS



**K Type 302 Solderless Test Prod.** Threaded prod with 4" long plastic handle, 3/8" outer diameter. Nickel-plated phone tip. Wire fits through handle and body of plug, wraps around screw portion—secured by knurled collar. Shpg. wt., 4 oz.  
47 C 2110, Red. 47 C 2111, Black. Each .30

**K Type 323 Solderless Fiber Test Prod.** Has 4" bone fiber handle with extra large 1/4" inside diameter for heavy-duty wire. Body is nickel-plated brass. Wire fits through handle and body of plug, wraps around screw portion. Secured by knurled collar. Wt., 4 oz.  
47 C 2258, Red. 47 C 2259, Black. Each .30

**L Type 319 Heavy-Duty Test Prod.** Threaded type with extra-sturdy brass, nickel-plated tip. Molded plastic handle, overall length 5 3/4" long. 3/8" outer dia. Fits standard phone tip jacks. Shpg. wt., 3 oz.  
47 C 2375, Red. 47 C 2376, Black. Each .30

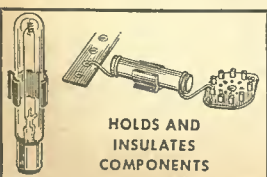
**M Type 317 Phono Needle Test Prod.** Brass, nickel-plated body with steel, nickel-plated phono-type needle. Has removable chuck for replacing broken needles. Needle pierces plating or corrosion to insure positive readings. Plastic handle 4 1/2" long overall, 3/8" O.D. Wt., 4 oz.  
47 C 2373, Red. 47 C 2374, Black. Each .30

**N Type 363 Short Tip Jack.** Threaded type with brass, nickel-plated phone tip. Tip inserts flush in 4" long, 3/8" diameter insulated molded handle—reduces possibility of shock or grounding. Shpg. wt., 3 oz.  
47 C 2223, Red. 47 C 2224, Black. Each .21

## H. H. SMITH ALLIGATOR TEST LEADS

Cadmium-plated steel clips. Have vinyl plastic boots. \*Have midget clips. Av. shpg. wt., 4 oz.

Stock No.	Type	Wire Lgth.	PER PAIR
47 C 4383	629	12"	.92
47 C 4384	657	24"	.96
47 C 4385	716*	12"	.92
47 C 4386	717*	18"	.94
47 C 4387	718*	24"	.96



HOLDS AND INSULATES COMPONENTS

## RICHCO PLASTIC COMPONENT CLIPS

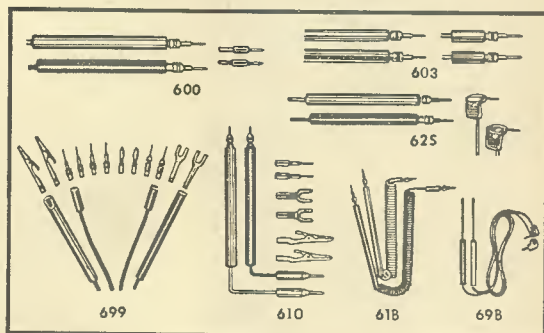
High-dielectric vinyl clips designed to hold and provide insulation for capacitors, resistors, batteries, fuses. Available in six sizes for components with diameters from 1/4" to 1". Types V-1000 to V-1005

Stock No.	Mfr's Type	Dia.*	PER PKG. OF 10
47 C 5223	V-1000	1/4"	.29
47 C 5225	V-1002	3/8"	.30
47 C 5227	V-1004	1/2"	.31

have one 3/32" mounting hole: Type V-1010 has two 3/32" holes, 3/4" apart. All are 1/2" long except V-1010, 1 1/8". \*In Table refers to diameter of part being held. Wt., 3 oz.

Stock No.	Mfr's Type	Dia.*	PER PKG. OF 10
47 C 5228	V 1005	3/16"	.31
47 C 5231	V-1008	3/4"	.36
47 C 5233	V-1010	1"	.43

## H. H. SMITH TEST LEADS AND TEST LEAD KITS



Unless otherwise indicated, leads have 50" red and black kinkless, rubber-covered wire; butyrate prod handles (one red, one black) 4" long; 3/8" outer dia. Brass phone tips, nickel plated.

**Type 600.** Solderless phone tips, meter end; phone tips on prod.  
47 C 4359, Shpg. wt., 4 oz. Per Pair 1.05

**Type 603 All-Solderless.** Red and black plugs, meter end. Solderless phone tips both ends. Shpg. wt., 3 oz.  
47 C 4375. Per Pair 1.35

**Type 610 Test-Lead Kit.** Test leads with solderless phone tips on prods; banana plugs meter end. Tenite handles. Phone tips, Alligator clips, spade lugs that snap-on banana plugs. Shpg. wt., 4 oz.  
47 C 4395. 1.90

**Type 618 Stretch.** 12" coil extends to 6'. Tenite handles. Phone tips both ends. Shpg. wt., 6 oz.  
47 C 4398. Per Pair 3.00

**Type 625 Meter Leads.** Solderless phone tips. Red and black elbows, right-angle phone tips. Shpg. wt., 3 oz.  
47 C 4371. Per Pair 1.50

**Type 698 Slim-Jim.** 3 1/2" cadmium-plated steel probes. Vinyl spaghetti insulator. Red and black plastic elbows with phone tips.  
47 C 4378, Shpg. wt., 4 oz. Per Pair 1.35

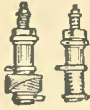
**Type 699 Universal Kit.** 5 3/4" leads. 4 phone tips, 2 alligator clips, 2 needle tips, 2 banana plugs, 2 space lugs. In plastic kit.  
47 C 4376, Shpg. wt., 5 oz. 3.00

# RF Chokes, Adjustable Coils and Coil Winder

J. W. MILLER COILS AND CHOKES

## ADJUSTABLE CERAMIC RF COILS

Silicone-impregnated ceramic forms. Powdered iron cores. With mtg. hardware. Standard; Form size,  $\frac{3}{8}$ " diameter and  $1\frac{1}{8}$ " long; for  $\frac{1}{4}$ " hole. Miniature:  $\frac{1}{4} \times \frac{7}{8}$ " for  $\frac{3}{16}$ " hole. Subminiature:  $\frac{1}{4} \times \frac{3}{8}$ " for  $\frac{1}{16}$ " mtg. hole. Wt., 2 oz.



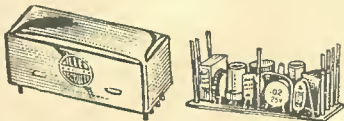
### STANDARD

Stock No.	Mfr's Type	Min. $\mu$ H	Max. $\mu$ H	EACH
54 C 0982	4400-2	Form only		1.30
54 C 0983	4403	.99	1.50	1.83
54 C 0984	4404	1.60	3.10	1.86
54 C 0985	4405	3.30	6.50	1.89
54 C 0986	4406	7.30	14.0	1.95
54 C 0987	4407	16.0	29.0	2.01
54 C 0988	4408	33.0	66.0	2.10
54 C 0989	4409	74.0	124	2.16
54 C 0990	4410	138	238	2.19
54 C 0991	4411	270	451	2.22
54 C 0992	4412	495	76.0	2.25
54 C 0993	4413	825	1.30	2.28
54 C 0778	4414	1.40	2.00	2.28

### MINIATURE

Stock No.	Mfr's Type	Min. $\mu$ H	Max. $\mu$ H	EACH
54 C 0870	4500-2	Form only		1.23
54 C 3930	4501	.44	.76	1.68
54 C 0871	4502	1.10	1.50	1.68
54 C 0872	4503	1.70	2.70	1.68
54 C 0873	4504	3.10	4.80	1.68
54 C 0874	4505	5.50	8.60	1.74
54 C 0875	4506	9.90	15.0	1.80
54 C 0876	4507	17.0	23.0	1.86
54 C 0877	4508	26.0	33.0	1.89
54 C 0878	4509	38.0	57.0	1.92
54 C 0879	4511	66.0	114	1.95
54 C 0880	4512	120	190	1.98
54 C 0881	4513	209	314	2.01
54 C 0882	4514	350	475	2.04
54 C 0781	4514-1	528	760	2.10

## PRE-PACKAGED AND PRE-TUNED 455-KHZ IF STRIP



Complete 455-kHz IF strip simplifies construction of many projects. Offers excellent gain (55 dB) and selectivity (6 dB down at 8 kHz). Consists of a Miller Type 8901-B Input Matching Transformer and 8902-B IF Strip mounted on one board. Total of 21 components on PC board, including mechanical filter, two transistorized amplifiers and diode detector that can drive earphones. No alignment required. Size,  $\frac{1}{2} \times \frac{1}{2} \times 1\frac{1}{2}$ ". Shpg. wt., 3 oz. 54 C 0099 5.75

## HIGH "Q" BROADCAST RF COILS

High-efficiency, unshielded, iron-core coils. Adjustable core. Range indicated obtained using 365 pF variable capacitor. Mount in  $\frac{1}{2}$ " hole. \*Padder values shown for 455 kHz IF. Size:  $\frac{3}{8} \times \frac{1}{2}$ ". Shpg. wt., 4 oz.

Stock No.	Mfr's Type	Use	kHz Range	EACH
54 C 4398	A-5495-A	Antenna	550-1700	1.89
54 C 4399	A-5495-B	RF	550-1700	1.89
54 C 4400	A-5495-C	Std. Osc.	*400 pF	1.89
54 C 4401	A-5495-C	Tap'd Osc.	*400 pF	1.89

## MOISTURE-RESISTANT RF CHOKES

Single layer or 3-pi universal winding insure low distributed capacity. Low-loss molded phenolic or powdered iron core forms. Impregnated with moisture and fungus-resistant varnish. Operate into UHF region. Inductance tolerance  $\pm 20\%$ .  $1\frac{1}{2}$ " leads. Phenolic form,  $\frac{3}{8} \times \frac{3}{8}$ " dia. Iron core,  $\frac{1}{4} \times \frac{1}{2}$ " dia. Av. wt., 2 oz.



### PHENOLIC FORM—SINGLE LAYER

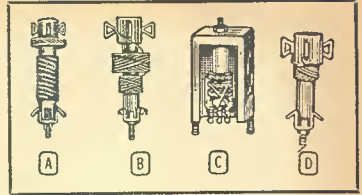
Stock No.	Mfr's Type	$\mu$ H	Q	Min. F <sub>o</sub> (MHz)	E.A.
54 C 2943	4580	10	68	500	.54
54 C 2944	4582	15	73	410	.54
54 C 2961	4584	22	77	340	.54
54 C 3823	4586	33	80	288	.54
54 C 3824	4588	47	90	243	.54
54 C 3825	4590	68	83	208	.54
54 C 3826	4592	75	81	204	.54
54 C 3827	4594	82	88	200	.54
54 C 3828	4602	100	80	190	.54
54 C 3829	4604	150	58	149	.54
54 C 3830	4606	240	56	120	.54
54 C 3831	4608	390	60	93	.54
54 C 3833	4609	550	57	80	.54
54 C 3834	4610	620	57	76	.57
54 C 3835	4611	820	57	65	.57
54 C 3836	4612	1000	36	61	.57

### IRON-CORE FORM—SINGLE LAYER

Stock No.	Mfr's Type	$\mu$ H	Q	Min. F <sub>o</sub> (MHz)	E.A.
54 C 3837	4622	10	69	40	.63
54 C 3838	4624	15	62	33	.63
54 C 3839	4626	24	65	25	.66
54 C 3840	4628	39	70	20	.66
54 C 3841	4629	55	72	17	.69
54 C 3842	4630	62	83	16	.69
54 C 3843	4631	82	85	13	.69
54 C 3844	4632	100	107	12	.69

### PHENOLIC FORM—3-SECTION

Stock No.	Mfr's Type	mH	Ohms	Dia.	EACH
54 C 1061	970	1	20.6	$1\frac{1}{8}$ "	.78
54 C 1063	972	1.5	26.4	$\frac{3}{4}$ "	.78
54 C 1067	975	2.7	37.4	$\frac{13}{16}$ "	.84
54 C 1068	976	3.3	41.8	$\frac{13}{16}$ "	.87
54 C 1070	978	4.7	51.8	$\frac{13}{16}$ "	.87
54 C 1074	982	10.0	81.6	$\frac{7}{8}$ "	.90
54 C 1078	984	15.0	105	$\frac{15}{16}$ "	.90
54 C 1079	987	27.0	145	$1\frac{1}{16}$ "	1.02
54 C 1086	994	100	473	$1\frac{1}{8}$ "	1.38



## MINIATURE ADJUSTABLE RF COILS

Variable-inductance RF coils. Use with tuning capacitors of 250 to 450 pF capacity. Type 70-OSC coil has tapped secondary. 70 series installed self-supported. 71-OSC has 2-tap primary. Both track 100 to 550 kHz IF. Maximum size,  $1\frac{1}{4} \times \frac{3}{4}$ " diameter. Av. shpg. wt., 4 oz.

Stock No.	Mfr's Type	Use	kHz Range	EACH
54 C 1972	69-OSC	Osc.	540-1600	1.20
54 C 0866	70-A	Ant.	540-1600	1.35
54 C 0867	70-RF	RF	540-1600	1.35
54 C 0868	70-OSC	Osc.	540-1600	1.20
54 C 0869	71-OSC	Osc.	540-1600	1.74

## UNIVERSAL REPLACEMENT COILS

Compact, variable-inductance iron-core coils for replacement use. Shielded type. Use with 250-450 pF variable capacitors. Oscillator coil has tapped secondary.  $1\frac{1}{2} \times 1\frac{1}{2}$ ". \*Tapped sec., primary, 5 oz.

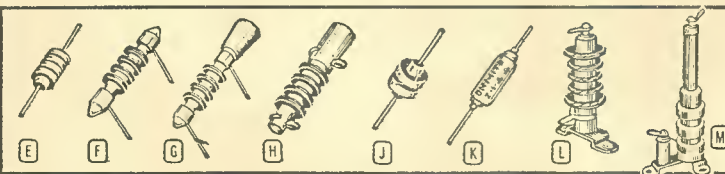
Stock No.	Mfr's Type	Use	kHz Range	EACH
54 C 0748	73-A	Ant.	500-1800	2.49
54 C 0749	73-RF	RF	500-1800	2.49
54 C 0752	73-OSC	Osc.	*100-550	2.49

## PRINTED-CIRCUIT RF CHOKES

Air-core RF chokes specifically designed for printed circuits. Offer wide range of inductances for use in transmitters, receivers, and test equipment. All are varnish-impregnated to resist moisture. Have printed-circuit mounting lugs. Forms are  $\frac{1}{4}$ " long. Maximum current rating: Types 970-978, 125 mA; 982, 984, 100 mA; 987, 75 mA; 994, 50 mA. Av. shpg. wt.,  $1\frac{1}{2}$  oz.

Stock No.	Mfr's Type	mH	Ohms	Dia.	EACH
54 C 1061	970	1	20.6	$1\frac{1}{8}$ "	.78
54 C 1063	972	1.5	26.4	$\frac{3}{4}$ "	.78
54 C 1067	975	2.7	37.4	$\frac{13}{16}$ "	.84
54 C 1068	976	3.3	41.8	$\frac{13}{16}$ "	.87
54 C 1070	978	4.7	51.8	$\frac{13}{16}$ "	.87
54 C 1074	982	10.0	81.6	$\frac{7}{8}$ "	.90
54 C 1078	984	15.0	105	$\frac{15}{16}$ "	.90
54 C 1079	987	27.0	145	$1\frac{1}{16}$ "	1.02
54 C 1086	994	100	473	$1\frac{1}{8}$ "	1.38

## NATIONAL AND OHMITE GENERAL-PURPOSE RF CHOKES



R-175A for transmitters with plate supply up to 3000 volts modulated or 4000 volts unmodulated. For all bands from 80 through 6 meters. R-154U for 20 to 80-meter transmitters. R-33 types have 2 sections. R-50 types, 3 or 4 sections. Vertical mtg.  $\frac{1}{4}$ " Microhenries. 2 oz.

### NATIONAL CHOKES

Stock No.	Type	Fig.	mH	mA	Ohms	E.A.
54 C 1115	R-33	J	111	350	1.8	.36
54 C 1116	R-33	J	501	225	3.5	.36
54 C 1117	R-33	J	1001	200	5.0	.36
54 C 1118	R-33	J	7501	125	16	.36
54 C 1119	R-30	E	0.5	150	15	.42
54 C 1160	R-50	E	1.0	135	23	.42
54 C 1161	R-50	E	2.5	125	38	.42
54 C 1162	R-50	E	10.0	115	36	.72
54 C 1168	R-60	E	21	700	.06	.29
54 C 1169	R-60	E	41	700	.15	.29
54 C 1301	R-100	F	2.5	115	44	.57
54 C 1367	R-100	F	10.0	60	130	1.12
54 C 1368	R-100U	G	2.5	115	44	.74
54 C 1495	R-100S	H	2.5	115	44	.99

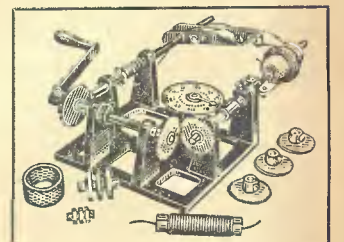
### NATIONAL CHOKES (Cont'd)

Stock No.	Type	Fig.	mH	mA	Ohms	EACH
54 C 1497	R-100S	H	10.0	60	130	1.49
54 C 1503	R-154U	L	1.0	600	6.0	2.01
54 C 1504	R-175A	M	145	800	5.0	4.46
54 C 1505	R-300	F	0.5	400	7.0	.57
54 C 1506	R-300	F	1.0	400	11	.57
54 C 1507	R-300	F	2.5	375	17	.74
54 C 1508	R-300	F	5.0	325	24	.90
54 C 1511	R-300U	G	2.5	375	17	.92

### OHMITE CHOKES

Stock No.	Type	Fig.	$\mu$ H	mA	MHz	EACH
54 C 1548	Z-460	K	0.2	1000	320-520	.45
54 C 1549	Z-235	K	0.84	1000	160-350	.45
54 C 1550	Z-144	K	1.8	1000	80-200	.45
54 C 1551	Z-30	K	7.0	1000	35-110	.48
54 C 1552	Z-28	K	21	600	20-60	.60
54 C 1553	Z-14	K	44	600	7-35	.71
54 C 1554	Z-7	K	84	1000	3-20	1.44

## MORRIS "COILMASTER" COIL WINDER



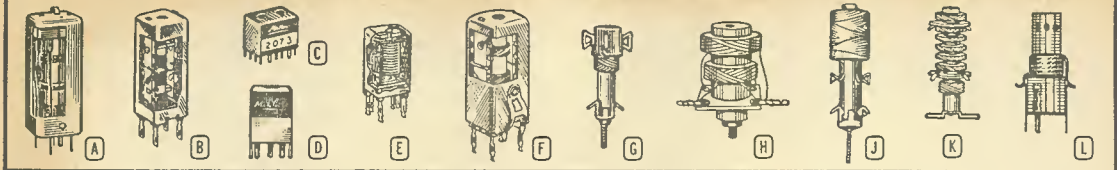
- Produces Self-Supporting, Universal and Honeycomb Coils
- Can be Used With #22 to #40 Wire

Accurate, easy-to-use hand-operated coil winder produces self-supporting, universal and honeycomb coils, plus solenoids, single-layer coils, etc. It's a big time-saver and gives your work a professional appearance. Indicator counts number of coil turns. Easily adjustable for pi-spacing and various diameter coil forms. Extremely versatile, it accepts No. 22 through No. 40 wire. 3 cams and 4 gears permit winding virtually all types of coils. Wire and coil forms not included. With instructions. Base size 5x5". Shpg. wt., 4 lbs. 54 C 1053 8.50



# J. W. Miller Components

## RF COILS AND IF TRANSFORMERS



### IRON-CORE IF TRANSFORMERS

**A** Intermediate-Frequency transformers manufactured with a core of high-quality powdered iron material. Designed for use in radio receiver construction. Powdered iron core gives the transformer better gain and selectivity than that obtainable in similarly constructed air core types.  $1\frac{1}{2}$ " square x  $3\frac{1}{4}$ " high. 6-32 spade bolt mounting. Av. shpg. wt., 4 oz.

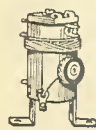
Stock No.	Type	kHz	Use	EACH
54 C 0711	612-H1	262	Input	2.43
54 C 0712	612-H2	262	Interstage	2.43
54 C 0713	612-H3	262	Full-Wave	2.43
54 C 0714	612-H4	262	Half-Wave	2.43
54 C 0715	612-C1	455	Input	2.43
54 C 0720	612-C2	455	Interstage	2.43
54 C 0721	612-C3	455	Full-Wave	2.43
54 C 0722	612-C4	455	Half-Wave	2.43
54 C 0723	612-W1	1500	Input	2.43
54 C 0724	612-W2	1500	Interstage	2.43
54 C 0725	612-W3	1500	Full-Wave	2.43
54 C 0726	612-W4	1500	Half-Wave	2.43

### 10.7-MHz TRANSFORMERS FOR TRANSISTOR CIRCUITS

**C** Subminiature Style. IF and ratio detector transformers. IF transformers are  $\frac{1}{2}$ " high x  $1\frac{1}{2}$ " square; ratio detector,  $\frac{1}{2}$ " x  $1\frac{1}{2}$ " x  $\frac{1}{2}$ ". Supplied with mounting hardware. Av. shpg. wt., 2 oz.

Stock No.	Type	Use	EA.
54 C 0025	2070	1st IF Input	2.37
54 C 0028	2071	2nd IF Instage	2.37
54 C 0029	2072	3rd IF Output	2.37
54 C 0038	2073	Ratio Detector	2.82

### CAPACITY-OPERATED RELAY COIL



**Type 695.** For alarm systems, window displays and other capacity-operated devices. Consists of center-tapped oscillator winding; adjustable grid coupling capacitor; RF choke on bakelite form,  $\frac{1}{2}$ " x  $2\frac{1}{4}$ " high. Supplied with wiring diagram. Shpg. wt., 4 oz.  
54 C 1057.....2.49

### TV OSCILLATOR SYNC STABILIZER (RINGING) COIL

**J** Type 6210. Has bakelite form with  $\frac{3}{16}$ " mounting clip. 16-42 mH range. Size,  $\frac{1}{2}$ " x  $2\frac{1}{2}$ ". Shpg. wt., 2 oz.  
54 C 1092.....1.74

### "MINI-MINIATURE" TRANSISTOR IF TRANSFORMERS (455 kHz)

**D** Only  $\frac{1}{2}$ " high by  $\frac{1}{2}$ " sq. Same type of threaded tuning as microminiatures, above. For use with RCA 2N218 and 2N219 or 2N139 and 2N140; transistors. \*Type 2065 is matching oscillator requiring tuning capacitor from 78 to 110  $\mu$ F maximum tolerance. Av. shpg. wt., 3 oz.

Stock No.	Mfr's Type	Impedance	Use	EA.
54 C 2484	2066	50K-800 ohms	Input	2.22
54 C 2485	2067	30K-500 ohms	Instage	2.22
54 C 2486	2068	20K-5K ohms	Output	2.22
54 C 2488	2065	Matching Oscillator*	2.22	

### 455-KHz IF TRANSFORMERS FOR TRANSISTOR CIRCUITS

**E** Miniature Style. Hi-Z tapped primary winding coupled to low-Z secondary.  $\frac{3}{4}$ " high by  $\frac{1}{2}$ " square. \*Primary-secondary. Av. shpg. wt., 3 oz.

Stock No.	Type	*Ohms	Use	EACH
54 C 0002	2031	10K-600	Input	2.64
54 C 0003	2032	10K-1000	Output	2.64
54 C 0896	2041	25K-600	Input	2.64
54 C 0973	2042	25K-1000	Output	2.64

### MINIATURE "J-TRAN" TOP-TUNED IF TRANSFORMERS

**F** Units have hollow hexagonal-hole cores for either double or single-ended tuning. Mount by snap fastener.  $\frac{3}{4}$ " square by 2". Av. shpg. wt., 4 oz.

Stock No.	Mfr's Type	Freq.	Use	EA.
54 C 1954	14-C1	455 kHz	IF Input	1.74
54 C 1955	14-C2	455 kHz	IF Output	1.74
54 C 2467	14-C9	455 kHz	Input (AC-DC)	1.74
54 C 2468	14-C10	455 kHz	Output (AC-DC)	1.74
54 C 2469	6270	4.5 MHz	Input or Inter.	1.89

### HORIZONTAL OSCILLATOR AND SYNC-STABILIZER COIL

**Type 6183.** (Not Illus.) Permeability tuned coil features dual windings for sync frequency and phase circuit. Has aluminum shield with 6-32 spade bolt mounting. Coil may be reversed in shield for top or bottom mounting.  $1\frac{1}{2}$ " square by  $2\frac{1}{2}$ ". Shpg. wt., 5 oz.  
54 C 1089.....2.37

### TRANSISTOR OSCILLATOR COILS

**G** Type 2020. Use in one-transistor osc. circuit. For 365 pF capacitor, 455 kHz IF,  $\frac{1}{2}$ " x  $1\frac{1}{2}$ ". Shpg. wt., 3 oz.  
54 C 0895.....1.74

**Type 2022.** Similar to above, except for use with variable capacitor 78-100 pF, maximum. Shpg. wt., 3 oz.  
54 C 0974.....1.74

### MIDGET OSCILLATOR COIL

**Type 5480C.** Use with pentagrid converter tubes; general replacement. When used with 365-pF variable capacitor, covers 540-1600 kHz. IF frequency, 455 kHz. For use unshielded. Series pad, .0004  $\mu$ F. 1x1". Shpg. wt., 1.35 oz.  
54 C 0743.....4.35

### HORIZONTAL LINEARITY AND WIDTH CONTROLS

**J** Iron-core variable inductance coils for horizontal sweep circuits. Permit adjustments over a wide inductance range to obtain the proper match for best operating characteristics. Mounting clip fits  $\frac{3}{16}$ " hole; clip for  $\frac{1}{8}$ " hole with adapter also supplied. Size,  $\frac{3}{4}$ " x  $2\frac{1}{2}$ " long (maximum) on phenolic coil form. Av. shpg. wt., 4 oz.

Stock No.	Mfr's Type	Millihenries Range	EA.
54 C 1093	6313	.5-5	1.38
54 C 1094	6314	2.0-18	1.38
54 C 1095	6315	4.0-30	1.38
54 C 1098	6319	8.0-60	1.74
54 C 0049	6330	45-215	1.89
54 C 0051	6195	185-1	1.14
54 C 0052	6196	.054-245	1.02

### HIGH-VOLTAGE RF POWER SUPPLY TRANSFORMERS

**K** Type 4525. RF power supply transformer for use in TV receivers, cathode ray oscilloscopes, other high-voltage equipment. Provides voltage up to 5000 VDC. Size,  $1\frac{1}{4}$ " dia. x  $3\frac{3}{4}$ " high. Shpg. wt., 4 oz.  
54 C 1101.....6.30

**Type 4526.** Provides voltage up to 10,000 V DC (30,000 when used in a voltage rectifier-triplex circuit). Size,  $2\frac{1}{4}$ " diameter x 6" high. Shpg. wt., 4 oz.  
54 C 1102.....9.45

### VERTICAL-MOUNTING PRINTED CIRCUIT COILS

**L** "Velvetor" adjustable RF coils. Can be adjusted from either end of coil form. \*RPC suffix omitted from Type No.  $\uparrow$  Maximum inductance at minimum core position. Coil forms are  $\frac{3}{8}$ -inch diameter and  $\frac{3}{4}$ -inch long. Av. shpg. wt., 3 oz.

Stock No.	Type 23A-	$\mu$ H	Q Min.	Test Freq.	EACH
54 C 0755	107	.095	77	25.0 MHz	1.05
54 C 0756	227	.185	88	25.0 MHz	1.05
54 C 0757	337	.285	88	25.0 MHz	1.05
54 C 0758	827	.640	101	25.0 MHz	1.05
54 C 0759	106	.760	98	25.0 MHz	1.05
54 C 0760	156	1.20	65	7.9 MHz	1.05
54 C 0761	336	2.40	64	7.9 MHz	1.14
54 C 0762	686	4.60	64	7.9 MHz	1.14
54 C 0763	155	10.0	58	2.5 MHz	1.23
54 C 0764	225	14.8	61	2.5 MHz	1.23
54 C 0765	475	31.0	58	2.5 MHz	1.23
54 C 0766	685	43.5	56	2.5 MHz	1.23
54 C 0767	825	61.0	48	2.5 MHz	1.23
54 C 0768	224	160.0	63	790.0 kHz	1.23
54 C 0769	474	360.0	68	790.0 kHz	1.23
54 C 0770	824	700.0	64	790.0 kHz	1.32
54 C 0771	223	1.60	39	250.0 kHz	1.32
54 C 0772	473	3.40	42	250.0 kHz	1.32
54 C 0773	823	7.40	42	250.0 kHz	1.32
54 C 0774	222	12.10	20	79.0 kHz	1.38
54 C 0775	472	27.50	28	79.0 kHz	1.38
54 C 0776	822	50.00	34	79.0 kHz	1.38
54 C 0777	101	62.00	35	79.0 kHz	1.38

### AIR-CORE TRANSFORMERS

**A** Constructed to provide excellent stability with moderate gain. Air-core transformers suitable for single or two-stage amplifiers. Low temperature-capacity drift for stability.  $1\frac{1}{2}$ " square x  $2\frac{3}{8}$ " high. 6-32 mounting. Av. shpg. wt., 4 oz.

Stock No.	Type	kHz	Use	EACH
54 C 0735	512-H1	262	Input	2.37
54 C 0736	512-H2	262	Interstage	2.37
54 C 0741	512-H3	262	Full-Wave	2.37
54 C 0742	512-H4	262	Half-Wave	2.37
54 C 0744	512-C1	455	Input	2.37
54 C 0745	512-C2	455	Interstage	2.37
54 C 0746	512-C3	455	Full-Wave	2.37
54 C 0747	512-C4	455	Half-Wave	2.37
54 C 0750	512-W1	1500	Input	2.37
54 C 0751	512-W2	1500	Interstage	2.37
54 C 0753	512-W3	1500	Full-Wave	2.37
54 C 0754	512-W4	1500	Half-Wave	2.37

### MINIATURE IF TRANSFORMERS

**B** Shell-core, permeability-tuned IF transformers. Tunable powdered-iron cores. \*Built-in diode filter capacitor. Size,  $\frac{3}{4}$ " square x  $2\frac{1}{2}$ ". With all necessary mounting hardware. Av. shpg. wt., 4 oz.

Stock No.	Type	Freq.	Use	EACH
54 C 0727	12-C1	455 kHz	IF Input	1.74
54 C 0728	12-C2	455 kHz	IF Output	1.74
54 C 0729	12-C6	455 kHz	IF Output*	1.80
54 C 0718	12-C9	455 kHz	Input (AC-DC)	1.74
54 C 0719	12-C10	455 kHz	Output (AC-DC)	1.74
54 C 1317	12-C12	455 kHz	Tapped Pri. Discriminator	2.04
54 C 1320	12-C45	455 kHz	Discriminator	2.85
54 C 0729	12-H1	262 kHz	IF Input	1.83
54 C 0731	12-H2	262 kHz	IF Output	1.83
54 C 0788	12-H6	262 kHz	IF Output*	1.89
54 C 1321	13-W1	1500 kHz	Input or Inter.	1.74
54 C 1322	13-W2	1500 kHz	IF Output	1.74
54 C 0732	1463	10.7 mHz	Input Inter.	3.40
54 C 0733	1464	10.7 mHz	Discriminator	2.37
54 C 1323	1464-WB	10.7 mHz	Discriminator	2.52
54 C 0734	1465	10.7 mHz	Ratio Detect.	2.46
54 C 1324	1465-WB	10.7 mHz	Ratio Detect.	2.46
54 C 0789	6203	4.5 mHz	Input or Inter.	2.07
54 C 0790	6204	4.5 mHz	Discriminator	2.37
54 C 0791	6205	4.5 mHz	Ratio Detect.	2.37

### MINIATURE IF PRINTED-CIRCUIT TRANSFORMERS

**B** For replacement and experimental use in receivers. Shell-core, permeability tuned. Tune from top and bottom of shield.  $\frac{3}{4}$ " sq. x 2". Supplied complete with mounting hardware. Av. shpg. wt., 4 oz.

Stock No.	Mfr's Type	Freq.	Use	EA.
54 C 3559	13-PC1	455 kHz	IF Input	1.74
54 C 3560	13-PC2	455 kHz	IF Output	1.74
54 C 3564	13-PC19	455 kHz	Input (AC-DC)	1.74
54 C 3565	13-PC20	455 kHz	Output (AC-DC)	1.74
54 C 1712	1463-PC	10.7 mHz	Input or Inter.	2.04

# Belden Microphone and Special-Purpose Cable

## RUBBER-COVERED MICROPHONE AND SHIELDED POWER-SUPPLY CABLE

Recommended for greater abrasion resistance and extra flexibility. Especially suited for installations where cable must make tight bends around corners or lie perfectly flat. Available in single or multiple (up to 8) conductors. Type 8428 has heavy-duty neoprene jacket; Type 8413 is miniature-sized cable. Av. shpg. wt., per 100 ft., 6 lbs.



SINGLE

MULTIPLE

Mfr's Type	No. Cond.	AWG Stranding	Cap. pF	O. D.	Working Volts	50-FT. SPOOL		100-FT. SPOOL		250-FT. SPOOL	
						Stock No.	EACH	Stock No.	EACH	Stock No.	EACH
8410	1	25(7x33)	33	.245"	3000	55 C 7799	5.25	55 C 7799	9.75	55 C 7814	22.65
8412	2	20(26x34)	42	.268"	600	55 C 7827	5.80	55 C 7828	10.75	55 C 7829	24.70
8426	6	20(26x34)	40	.349"	600	.....	.....	55 C 7843	20.65	55 C 7844 U	51.00
8427	7	20(26x34)	40	.360"	600	.....	.....	55 C 7845	22.20	.....	.....
8418	8	20(26x34)	42	.386"	600	.....	.....	55 C 7846	25.50	55 C 7847 K	61.80
8428	2	18(41x34)	47	.295"	600	.....	.....	55 C 7848	14.65	.....	.....
8413	2	24(45x40)	38	.185"	300	55 C 7853	5.50	55 C 7855	10.15	.....	.....

## VINYL PLASTIC-COVERED MICROPHONE AND SHIELDED POWER-SUPPLY CABLE

Lower capacitance and loss figures than standard rubber-covered cables. Resist ozone deterioration; have high resistance to oil, gasoline, and other chemicals. All are relatively light weight with small diameters. 8411 is suited for lapel or lavalier microphones. 8420 is a miniature type cable. Av. shpg. wt., per 100 ft., 3 1/2 lbs.



SINGLE

MULTIPLE

Mfr's Type	No. Cond.	AWG Stranding	Cap. pF	O. D.	Working Volts	50-FT. SPOOL		100-FT. SPOOL		250-FT. SPOOL	
						Stock No.	EACH	Stock No.	EACH	Stock No.	EACH
8401	1	25(7x33)	25	.200"	5000	55 C 7863	2.91	55 C 7864	5.35	55 C 7865	11.35
8411	1	25(7x33)	34	.144"	3500	55 C 7868	2.25	55 C 7869	4.20	55 C 7870	8.95
8422	2	22(16x34)	18	.231"	1000	55 C 7874	4.50	55 C 7875	7.85	55 C 7876	17.40
8403	3	20(26x34)	25	.245"	600	55 C 7878	5.60	55 C 7879	10.35	55 C 7880	23.25
8404	4	20(26x34)	25	.255"	600	.....	.....	55 C 7882	11.40	55 C 7883	26.25
8405	5	20(26x34)	25	.275"	600	.....	.....	55 C 7889	7.45	55 C 7884	31.00
8420	2	24(45x40)	20	.185"	500	55 C 7888	4.00	55 C 7889	7.45	55 C 7890	17.50

## STANDARD AND MINIATURE BROADCAST AUDIO CABLES

Two-conductor, color-coded cables. High insulation resistance and effective shielding eliminate noise and cross-talk. Have free stripping jackets, fast shield termination and small diameters. Tinned drain-wire prevents current loops. §Spiral-wrapped. †Braided. Specify both Stock No. and Mfr's Type when ordering.



MINIATURE CABLE

STANDARD CABLE

Mfr's Type	Type	AWG Stranding	O. D. Inches	Wkg. Volts	Shields	Jacket	Lbs., 100 ft.	100-FT. SPOOL		500-FT. SPOOL	
								Stock No.	EACH	Stock No.	EACH
8437	CBS	22(solid)	.200	200	Copper†	Black Vinyl	3 1/2	.....	.....	55 C 7451	22.65
8441	CBS	22(16x34)	.210	200	Copper†	Black Vinyl	3	55 C 7893	5.85	55 C 7474	25.90
8450	Miniature	22(solid)	.118	200	Alum.-"Mylar"§	Blk./Gray Vinyl	1 1/2	55 C 7894	3.85	55 C 7895	14.20
8451	Miniature	22(7x30)	.135	200	Alum.-"Mylar"§	Blk./Gray Vinyl	1 3/4	55 C 8562	4.38	55 C 7898	17.85

## RG HIGH-FREQUENCY COAXIAL CABLE

Low-loss, flexible polyethylene inner jacket, copper-braid shield, black vinyl jacket. Constant electrical characteristics regardless of changes in freq. or temp. Type 8214 is excellent for use in CB and amateur Radio as 50-ohm antenna cable. \*Indicates cable has

cellular polyethylene foam core for very low losses even at ultra-high frequency. Black outer covering. 100-ft. spool only. Specify Stock Number and Manufacturer's Type when ordering.



Stock No.	Mfr's Type	RG No.	AWG (Stranding)	O. D. (In.)	Imp. Ohms	Cap. pF/Ft.	Conductor	Lbs.	100-FT. SPOOL
55 C 7923	8237	8/U	13(7x21)	.405	52	29.5	Bare Copper	11 1/4	13.75
55 C 7937	8214*	8/U	11(7x19)	.403	50	26	Bare Copper	12	15.30
55 C 7927	8240	58/U	20(Solid)	.195	53.5	28.5	Bare Copper	3 1/4	4.95
55 C 7931	8216	174/U	26(7x34)	.100	50	30.4	Bare Copper	1	3.75

## 75-OHM AND 73-OHM RG COAXIAL CABLE FOR COLOR-TV LEAD-IN

55 C 7264	8238	11/U	18(7x26)	.405	75	20.5	Tinned Copper	10 1/4	11.85
55 C 7928	8241	59/U	22(Solid)	.242	73	21	Bare Copper	4	5.75

## HI-FI, STEREO AND PHONO CABLES

Make Allied Radio headquarters for all your electronic needs. You can depend on Allied for prompt service.



HI-FI

PHONO CABLE

DUAL CHANNEL

SINGLE

Have stranded conductors of tinned copper with vinyl or rubber insulation. Type 8421: Hi-fi cable, spiral wrap. Types 8430 and 8431: mono phono pickup applications. 8419 and 8429: dual channel,

for stereo phono pickups. 8416: for stereo and language labs. 8417: single, miniature mono phono connecting cable. \*Use two cables for maximum channel separation. †100x.213.

Mfr's Type	Outer Jacket	No. Cond. & AWG	O. D.	Lbs., 100 ft.	25-FT. SPOOL		50-FT. SPOOL		100-FT. SPOOL		250-FT. SPOOL	
					Stock No.	EACH	Stock No.	EACH	Stock No.	EACH	Stock No.	EACH
8421	Chrome Vinyl	1-25(7x33)	.180	2 1/4	55 C 8781	1.71	55 C 8782	3.10	55 C 8783	5.05	55 C 8784	11.20
8431	Rubber	1-24(6x36)	.095	1/4	55 C 9930	1.38	.....	.....	55 C 9931	4.38	.....	.....
*8430	Vinyl	2-32(7x40)	.050	1 1/4	55 C 9927	.87	.....	.....	.....	.....	55 C 9928	5.20
8416	Chrome Vinyl	2-25(7x33)	†	2 1/2	55 C 9382	1.86	55 C 9390	3.40	55 C 9391	5.95	55 C 9412	13.65
*8429	Vinyl	2-32(7x40)	.057	1 1/4	55 C 9933	1.47	.....	.....	.....	.....	55 C 9934	10.05
8419	Vinyl	3-32(7x40)	.067	1 1/2	55 C 8330	1.71	.....	.....	.....	.....	55 C 8333	12.25
8417	Chrome Vinyl	1-25(7x33)	.140	1 1/3	55 C 7671	1.41	55 C 7672	2.27	55 C 7673	4.30	55 C 7674	9.30



# Belden Sound-System and Intercom Cable

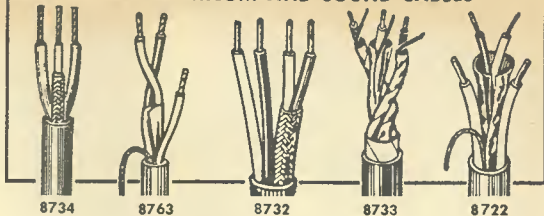
## TWO AND THREE-CONDUCTOR SHIELDED CABLE



Variety of gauges, insulations, shieldings and jackets for PA and intercom use. All types listed in table below have tinned copper conductors. \*Polyethylene insulated conductors, aluminum "Mylar" wrapped shield, stranded tinned copper ground wire. †Chrome vinyl jacket. ‡Spiral-wrapped tinned shield. †Braided tinned shield as jacket. †Vinyl insulated conductors. Type 8641, No. 24 stranded conductor; 8762, 8772 (7x28), No. 18 stranded; 8735, 8761, 8771 (7x30), No. 20 stranded; 8702, 8772 (7x28), No. 18 stranded; 8760, 8770 (16x30), No. 22 solid; 8731, No. 16 stranded; 8780, (19x29). Specify Stock No. and Mfr's Type. Av. shpg. wt., 100 ft., 3 1/2 lbs.

Mfr's Type	Cond.	O. D.	100-FT. SPOOL		500-FT. SPOOL	
			Stock No.	EACH	Stock No.	EACH
8208*	2	.255"	55 C 7555	7.90	55 C 7315 X	34.80
8641	2	.160"	55 C 7676	3.75	55 C 7677	15.00
8731*	3	.178"	55 C 7559	5.70	55 C 7559	18.70
8735†‡	3	.195"	55 C 7563	5.70	55 C 7565	24.30
8760*	2	.222"	55 C 7398	24.00	55 C 7398	24.00
8761*	2	.167"	55 C 7568	15.60	55 C 7568	15.60
8762*	2	.196"	55 C 7575	4.80	55 C 7577	19.90
8770*	3	.236"	55 C 7401 U	30.40	55 C 7401 U	30.40
8771*	3	.175"	55 C 7442	19.65	55 C 7442	24.75
8772*	3	.200"	55 C 7430 X	34.45	55 C 7430 X	34.45
8780†‡	2	.266"	55 C 7572	6.25	55 C 7573 U	26.70
8790†‡	2	.231"				

## SPECIAL INTERCOM AND SOUND CABLES



Type 8734, 3 cond. (vinyl-ins.). Tinned copper shield on one; 2 unshielded. AWG: 22(7x30). Chrome vinyl jacket. Wt., 100 ft., 2 3/4 lbs.

Type 8763, 3 cond. (polyethylene-ins.). Aluminum-Mylar shield on 2, 1 unshielded. #20 stranded grd. wire. Chrome vinyl jacket overall. AWG: 20 (7x28). Shpg. wt. per 100 ft., 3 1/4 lbs.

Type 8732, 4 cond. (polyethylene-ins.). 1 pr. tinned copper, shielded; 1 pr. unshielded. 22 (7x30). Chrome vinyl plastic jacket. Shpg. wt., per 100 ft., 3 lbs.

Type 8733, 3 cond., separately aluminum-Mylar shielded. Ground wire tinned cadmium-bronze. "Beldfoil Z" foil. AWG: 22 (7x30). Shpg. wt., per 100 ft., 3 lbs.

Type 8722, 4 cond. (vinyl-ins.); 2 alum.-Mylar shield on 2; unshielded. Tinned grd. 20 (7x28). Chrome vin. jacket 100 ft., 4 1/2 lbs.

Mfr's Type	Cond.	O. D.	100-FT. SPOOL		500-FT. SPOOL	
			Stock No.	EACH	Stock No.	EACH
8734	3	.194"	55 C 7685	5.05	55 C 7445	21.00
8763	2	.210"	55 C 7684	6.55	55 C 7471	24.30
8732	4	.188x.296"	55 C 7687	6.55	55 C 7465	27.60
8733	3	.205"			55 C 7329	27.60
8722	4	.260"			55 C 7675	30.75

## TWO AND THREE-CONDUCTOR UNSHIELDED CABLE

High-quality cable for PA and intercom installations, speaker extensions, alarm systems, etc. High insulation resistance. Have vinyl insulated, unshielded conductors, except † which are tinned, and ‡ stranded (19x29). Jackets of chrome vinyl, except 8794 which has rose-gray vinyl jacket and 8481, 8482, 8460, and 8470 which are twisted pair types without jacket. 8483 is cabled and without jacket. \*Solid copper conductors. ‡Stranded (10x30). Be certain to specify both Stock No. and Mfr's Type when ordering.

Mfr's Type	Cond. & AWG	O. D.	Lbs. 100 ft.	Mfr's Type		Lbs. 100 ft.	
				Cond. & AWG	O. D.		
8481*	2-22	.112"	1	8487*	3-19	.180"	2 1/2
8794*	3-22	.168"	1 1/2	8460†	2-18	.175"	1
8205†	2-20	.190"	1 1/2	8461†	2-18	.226"	3
8482*	2-19	.130"	1 1/2	8470‡	2-16	.195"	2 3/4
8483*	3-19	.132"	1 1/4	8471‡	2-16	.256"	4
8486*	2-19	.162"	2	8473‡	2-14	.332"	6

## COST PER SPOOL

Mfr's Type	100-FT. SPOOL		500-FT. SPOOL	
	Stock No.	EACH	Stock No.	EACH
8481	55 C 7612	1.95	55 C 7614	6.25
8794	55 C 7612	1.95	55 C 7642	12.25
8205	55 C 7597	3.10	55 C 7600	11.40
8482	55 C 7616	2.45	55 C 7631	8.80
8483	55 C 7633	3.15	55 C 8563	12.45
8486	55 C 7636	3.15	55 C 7636	11.35
8487	55 C 7638	3.45	55 C 7638	15.40
8460	55 C 7602	3.45	55 C 7603	13.35
8461	55 C 7610	4.40	55 C 7434	17.85
8470			55 C 7436	17.85
8471			55 C 7611	22.30
8473			55 C 7527 U	36.75

## TWO-CONDUCTOR SHIELDED CABLE



For speaker systems, intercoms. All have vinyl plastic insulation and jackets, except 8758 which has copper braid jacket. Tinned conductors. \*Tinned copper, spiral-wrapped shield. Black/Red coding. Shpg. wt., per 100 ft. of cable, 2 1/2 lbs.

Mfr's Type	AWG Stranding	O. D.	100-FT. SPOOL		500-FT. SPOOL	
			Stock No.	EACH	Stock No.	EACH
8737*	22 (7x30)	.170"	55 C 7644	4.05	55 C 7447	17.85
8758	20 (7x28)	.165"	55 C 7647	4.70	55 C 7648	19.05
8759*	20 (7x28)	.195"	55 C 7649	5.05	55 C 7666	21.00
8739*	22 (Solid)	.160"	55 C 7645	3.85	55 C 7449	16.20

## VINYL "JUKE BOX" CABLE



Stranded, color-coded, tinned copper conductors. Type 8783; 1—#20, 2—#16. Type 8786 (oval); 4—#24 twisted under shield, wt. per 100-foot spool, 5 lbs.

Mfr's Type	Cond.	O. D.	100-FT. SPOOL		500-FT. SPOOL	
			Stock No.	EACH	Stock No.	EACH
8783	3	.250"	55 C 7777	6.45	55 C 7776 U	28.90
8786	3	.256"	55 C 7775	7.65	55 C 7778	34.50

## VINYL "JUKE BOX" SPEAKER CABLE



Type 8782. Two parallel conductors, 1 tinned, 1 bare; #24, 7x32 stranding. Vinyl insulation. Vinyl jacket. In chrome, clear or white color, specify choice. O.D., .058x115". Wt., 100 ft., 10 oz.

55 C 8828 C	50-ft. Spool	1.11
55 C 8829 C	100-ft. Spool	1.65
55 C 7052 C	100-ft. Spool	10.95
55 C 7051 C	500-ft. Spool	5.50

Type 8649 Two-Conductor "Juke-Box" Cable. Same as above but #20, 7x38 stranding. In chrome or clear. Specify color choice when ordering. 100-ft. spools only. Wt., 10 oz.

55 C 7678 C	100-ft. Spool	2.43
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## MULTIPLE-CONDUCTOR CABLE (NOT PAIRED)



Top-quality multiple-conductor cable for permanent installations of intercoms, speakers and control circuits—as well as other applications requiring a highly durable, flexible and lightweight cable. Conductors are non-paired, plastic-insulated, flexible tinned, stranded copper wire, with color-coded plastic insulation—all cabled together and enclosed in an overall chrome vinyl jacket. All types are fully waterproof—oil, weather and tear-resistant—for long life under difficult environmental conditions. Cables are flexible and easily stripped. \*Have 2 conductors of No. 18 stranded wire (16x30); other conductors are No. 22 stranded. Specify both Stock No. and Mfr's Type when ordering.

Mfr's Type	Cond.	AWG Stranding	O. D.	Mfr's Type		AWG Stranding	O. D.
				Cond.	AWG Stranding		
8443	3	22 (7x30)	.150"	*8446	6	18 (16x30)	.222"
8444	4	22 (7x30)	.188"	*8448	8	18 (16x30)	.250"
8445	5	22 (7x30)	.180"	*8449	9	18 (16x30)	.261"

## COST PER SPOOL

Mfr's Type	Weight Per 100-Ft.	100-FT. SPOOL	
		Stock No.	EACH
8443	2 lbs.	55 C 7498	3.10
8444	2 1/4 lbs.	55 C 7504	4.40
8445	2 3/4 lbs.	55 C 7510	4.90
8446	4 lbs.	55 C 7524	7.15
8448	3 3/4 lbs.	55 C 7524	5.15
8449	5 lbs.	55 C 7539	9.25

## PAIRED VINYL UNSHIELDED CABLE



For intercom and telephone wiring. No. 22 solid tinned copper except \*No. 22 stranded (7x30). Color-coded vinyl plastic insulation. Conductors cabled in twisted pairs; chrome vinyl plastic overall. Provide a quiet circuit, free from crosstalk. Vinyl plastic insulation for high dielectric strength. Be certain to specify both the Mfr's Type and the spool size desired when ordering.

Mfr's Type	Cond.	O. D.	Lbs. 100 ft.	100-FT. SPOOL		500-FT. SPOOL	
				Stock No.	EACH	Stock No.	EACH
8442*	2	.165"	1 1/2	55 C 7691	2.40	55 C 7690	10.05
8740	2	.150"	1 3/4	55 C 7691	2.40	55 C 7692	8.55
8741	4	.201"	2 1/2	55 C 7693	4.05	55 C 7455	16.20
8742	6	.240"	3 1/2	55 C 8565	5.35	55 C 7458	22.75
8757	8	.225"	4			55 C 7407 X	28.90
8743	12	.305"	4 3/4	55 C 8572	8.40	55 C 7460 K	38.85
8747*	12	.340"	5 1/2	55 C 7697	10.45	55 C 7698 X	48.00
8744	18	.354"	6 1/2	55 C 8552	12.00	55 C 8553 U	56.2
8748*	18	.389"	8	55 C 7699	14.70	55 C 7002 U	70.50
8753	22	.384"	8	55 C 7700	14.85	55 C 7467 U	71.25
8754	26	.409"	11	55 C 8555	16.80	55 C 7476 Z	81.00
8745	30	.420"	10	55 C 7696	20.65	55 C 7462 Z	95.25
8755	38	.480"	15			55 C 7478 Z	123.75
8756	46	.510"	17 1/4			55 C 7480 Z	145.50

## BELDEN LITZ WIRE



Type 8817. 5x44 stranded copper Celanese enamel insulated with one nylon wrap. Specifically made for rewinding antenna primaries, hand-winding RF coils, IF coils and similar radio frequency applications. Outside diameter, .008". Shpg. wt., 2 oz.

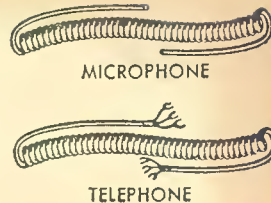
55 C 8981	100-Ft. Spool	71
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# Belden Wire and Cable

## RETRACTILE (COILED) MICROPHONE AND TELEPHONE CABLE

Strong, coiled cables extend up to six times their normal length. Conveniently retract out-of-way when not in use. Have tinned cadmium-bronze conductors.

Mike cables have braided shield, except \*unshielded. Types 8494 and 8495 are unshielded telephone cords with spade terminals and strain relief. Wt., 1/4 lb.



Mfr's Type	No. Cond.	Description	Jacket	AWG Stranding	O. D. Inches	Extends		Stock No.	EACH
						From	To		
*8497	3	Microphone Cable	Neoprene	23(21x36)	.250	11 1/2"	6'	55 C 7279	1.56
8499	1	Microphone Cable	Neoprene	24(45x40)	.160	7 1/2"	4'	55 C 7286	1.05
8490	5	Microphone Cable	Neoprene	23(21x36)	.265	11 1/2"	6'	55 C 7613	1.62
8494	4	Telephone Cord	Vinyl	23(21x36)	.245	10"	4 1/2'	55 C 7276	1.80
8495	3	Telephone Cord	Vinyl	23(21x36)	.220	10"	4 1/2'	55 C 7277	1.41

## #18 RUBBER-COVERED FLEXIBLE TEST-PROD WIRE

65x36 stranded, tinned copper, cotton wrap, 8898: 230-inch O.D.; .088-inch insulation; 10,000 VV; 29,000 puncture volts. 8899: .144-inch O.D.; .045-inch insulation; 5000 VV; 20,000 puncture volts; available in green and yellow for patch cord uses. Shpg. wt., per 25' spool, 8 oz.; 100' spool, 2 lbs.; 500' spool, 9 lbs.



Type 8898—Red			Type 8898—Black		
Stock No.	Spool	EACH	Stock No.	Spool	EACH
55 C 7737	25'	2.10	55 C 7744	25'	2.10
55 C 7738	100'	5.40	55 C 7750	100'	5.40
55 C 7739	500'	22.65	55 C 7751	500'	22.65

Type 8899—Red			Type 8899—Black		
Stock No.	Spool	EACH	Stock No.	Spool	EACH
55 C 7759	25'	1.23	55 C 7763	25'	1.23
55 C 7760	100'	3.90	55 C 7764	100'	3.90
55 C 7761	500'	14.05	55 C 7765	500'	14.05

Type 8899—Yellow			Type 8899—Green		
Stock No.	Spool	EACH	Stock No.	Spool	EACH
55 C 7659	25'	1.23	55 C 7660	25'	1.23
55 C 7623	100'	3.90	55 C 7624	100'	3.90
55 C 7625	500'	14.05	55 C 7626	500'	14.05

## SRIR THERMOPLASTIC HOOKUP WIRE

Heavy-duty thermoplastic insulated hookup wire. Manufactured to rigid industrial specifications. Rated at 1000 volts, rms. Has tinned copper conductors with .017"-thick insulation. Wire is available in black, brown, red, orange, yellow, green, blue, and white. Specify your choice when ordering. Av. shpg. wt. per 100 ft. spool, 1 lb.



Mfr's Type	Size	Strands	Outside Diameter	100-Ft. Spool	
				Stock No.	EACH
8525	24	7x32	.058"	55 C 7244 C	1.34
8530	22	Solid	.059"	55 C 7218 C	1.23
8524	22	7x30	.064"	55 C 7219 C	1.47
8529	20	Solid	.066"	55 C 7220 C	1.47
8523	20	10x30	.070"	55 C 7221 C	1.67
8522	18	16x30	.080"	55 C 7110 C	2.10
8528	18	Solid	.074"	55 C 7112 C	1.86
8531	16	Solid	.085"	55 C 7246 C	2.33
8521	16	26x30	.098"	55 C 7114 C	2.81
8520	14	41x30	.111"	55 C 7116 C	4.00
8527	12	65x30	.130"	55 C 7118 C	5.70

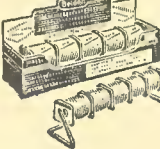
## ASSORTED WIRE KITS

**Type 8822.** Handy kit contains ten 25-ft. spools of Type 8529 hookup wire (described in table above) set in a convenient dispenser rack. Wire is supplied in the following colors: black, blue, green, red, white, yellow, orange, brown, gray, and violet. Shpg. wt., 2 1/2 lbs.

55 C 7226 ..... 6.60

**Type 8824.** Eight 25-ft. spools of Type 8523 hookup wire (see table above) and a dispenser rack. Colors supplied; black, blue, green, red, white, yellow, orange, and brown. Shpg. wt., 2 1/4 lbs.

55 C 7227 ..... 5.76



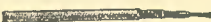
## SHIELDED HOOKUP AND GRID WIRE

**Type 8885.** Single conductor #20 stranded (19x30) tinned copper conductor; .015" rubber insulation; cellulose acetate yarn braid; lacquered, tinned copper braid shield. Break-down voltage, 4000 volts. Outside diameter .117". Wt., 100 ft., 1 1/4 lbs. Available only in lengths shown.

55 C 7779 15-ft. Spool ..... 1.13

55 C 7780 25-ft. Spool ..... 1.50

55 C 7781 100-ft. Spool ..... 4.50



## COPPER BRAID SHIELDING AND BONDING CABLE

Flexible, braided and tinned copper for shielding conductors and cables. Braided in tubular form for easy slip-on. Av. shpg. wt. per 50 ft., 1 1/2 lbs.

Mfr's Type	I. D.	Stranding	50-Ft. Spool	
			Stock No.	EACH
8660	1/4"	96x34	55 C 9350	2.25
8665	1/4"	120x34	55 C 9351	3.06
8661	1/4"	192x34	55 C 9360	3.65
8669	1/4"	336x34	55 C 9365	7.60
8662	1/4"	576x34	55 C 9380	10.75
8663	1/4"	160x34	55 C 9843	3.80



## STRANDED AND SOLID ANTENNA WIRE

High-conductivity copper wire features maximum tensile strength, minimum stretch. Polythelmaze type insulation protects against mechanical abuse. Av. shpg. wt., 100-ft., 1 lb.



### STRANDED BARE COPPER

Type 8000—7x22			Type 8002—7x24		
Stock No.	Spool	EACH	Stock No.	Spool	EACH
55 C 7680	50 ft.	1.32	55 C 7654	50 ft.	.96
55 C 7681	75 ft.	1.91			
55 C 7682	100 ft.	2.40	55 C 7656	100 ft.	1.65
55 C 7683	1000 ft.	21.90			

### SOLID HEAVY POLYTHERMALIZE-INSULATED COPPER

Type 8008 No. 12			Type 8009 No. 14		
Stock No.	Spool	EACH	Stock No.	Spool	EACH
55 C 7670	100 ft.	4.50	55 C 7740	100 ft.	2.85
55 C 7661	150 ft.	6.40	55 C 7662	150 ft.	3.90
55 C 7736	500 ft.	19.80	55 C 7741	500 ft.	11.55

### INDOOR ANTENNA WIRE

**Type 8014.** Extra flexible. No. 25 stranded (13x36), tinned copper conductor, with chrome vinyl plastic insulation. O.D., .044". Shpg. wts.: 25-ft. spool, 2 oz.; 500-ft. spool, 2 lbs.

55 C 7930 25-ft. .... .62

55 C 7933 500-ft. .... 3.60

### RADIO/MARINE ANTENNA WIRE

**Type 8201.** Tinned copperweld #20(7x28) antenna wire, for marine and other applications. Encased in polyethylene. O.D., .278". Shpg. wt. per 100 ft., 3 1/2 lbs.

55 C 7663 100-ft. Spool ..... 4.50

55 C 7664 500-ft. Spool ..... 18.60

### HEAVY POLYTHERMALIZE MAGNET WIRE

High temperature magnet wire for a wide variety of coil winding applications. Features heavy polythelmaze insulation; withstands winding abuse and forming operations; resists the solvent action of all types of thinners; resists softening and brittleness when used at extreme temperatures. Temperature rating, 180°C. Excellent moisture resistance.



1/2-lb. Spool				1-lb. Spool			
Stock No.	Size	Feet	EACH	Stock No.	Size	Feet	EACH
55 C 8036	14	40	1.29	55 C 8086	14	80	2.16
55 C 8037	16	63	1.29	55 C 8087	16	126	5.25
55 C 8038	18	100	1.32	55 C 8088	18	199	5.37
55 C 8039	20	157	1.35	55 C 8089	20	315	2.37
55 C 8040	22	250	1.37	55 C 8090	22	501	2.37
55 C 8041	24	396	1.41	55 C 8091	24	793	2.45
55 C 8042	26	630	1.49	55 C 8092	26	1260	2.61
55 C 8043	28	995	1.61	55 C 8093	28	1990	2.87
55 C 8044	30	1570	1.79	55 C 8094	30	3140	3.23
55 C 8045	32	2440	1.94	55 C 8095	32	4880	3.56
55 C 8046	34	3930	2.19	55 C 8096	34	7860	4.14
55 C 8047	36	6200	2.63	55 C 8097	36	12400	5.13
55 C 8048	38	9700	3.11	55 C 8098	38	19400	6.18
55 C 8049	40	16050	3.83	55 C 8099	40	32100	8.04

### DUPLIX LIGHTING CABLE

Weatherproof 2-conductor stranded lighting cables for outdoor use only. Ideal for extending power lines to yard, garden, garage, barn, etc. Consist of two stranded, tinned copper, vinyl insulated conductors: one conductor brown vinyl, the other, red vinyl, running parallel through an oval-shaped, chrome vinyl outer jacket of .022" thickness. Type 8677 is No. 16 AWG (19x29); O.D., .164x.276". Type 8675 is No. 14 AWG (19x27); O.D., .189x.326". Type 8673 is No. 12 AWG (19x25); O.D., .213x.384". Av. shpg. wt., per 100 ft., 5 lbs.



Type	Stock No.	100 Ft.	Stock No.	500 Ft.
8677	55 C 7728	5.65	55 C 7729	26.55
8675	55 C 7730	7.45	55 C 7039 U	34.80
8673	55 C 7731	9.60	55 C 7042 U	46.80

### CATHODE-RAY-TUBE CABLE

High dielectric, corona resistant, minimum surface leakage CRT cables. No. 22 (7x30) tinned copper, polyethylene insulated. Type 8868 has red vinyl jacket; rated 25,000 V working; 50,000 V breakdown, 8869, black vinyl jkt.; 17,000 V; 35,000 V breakdown.



Mfr's Type	Insul.	Outside Diameter	100-Ft. Spool	
			Stock No.	Wt., Lbs. EA.
8868	.065"	.150"	55 C 7770	1 1/4 2.93
8869	.029"	.120"	55 C 7773	1/4 2.43



# Dearborn Wire and Cable

## RUBBER (SP), PLASTIC (SPT) LAMP CORD



Two parallel No. 18 stranded copper wires for lamps and small appliances. Polarity ribbed. Meets U.L. requirements. 25-ft. and 100-ft. lengths. When ordering—specify length. Wt., per 100', 3 lbs.

Mfr's Type	Jacket	Color	U.L. Type	25-Ft. Spool		100-Ft. Spool	
				Stock No.	EA.	Stock No.	EA.
SP	Rubber	Brown	SP-1	55 C 7983	1.31	55 C 7984	3.91
SP	Rubber	Black	SP-1	55 C 7988	1.31	55 C 7989	3.91
SPT	Vinyl	Brown	SPT-1	55 C 7988	1.23	55 C 7989	3.21
SPT	Vinyl	Black	SPT-1	55 C 7978	1.23	55 C 7979	3.21
SPT	Vinyl	Gray	SPT-1	55 C 8275	1.23	55 C 8289	3.21
SPT	Vinyl	White	SPT-1	55 C 7993	1.23	55 C 7994	3.21



## "JUKE BOX" SPEAKER CABLE

Two parallel conductors of No. 24, 7x32 stranded wire—1 tinned, 1 bare. Vinyl inner insulation and vinyl jacket. O.D., .058x.115". In choice of gray or clear—specify color desired. Shpg. wt., per 100', 10 oz.

55 C 9905 C. 25-ft. Spool... .70 55 C 9906 C. 50-ft. Spool... 1.05  
55 C 9912 C. 100-ft. Spool... 1.56 55 C 9913 C. 500-ft. Spool... 5.18  
55 C 9919 C. 100-ft. Spool... 10.35



## THERMOPLASTIC HOOK-UP WIRE

Type MW heavy-duty, thermoplastic-insulated hook-up wire. Rated 1000 volts, rms at 80°C. Tinned copper conductor with polyvinylchloride insulation; wall thickness, .016". In choice of brown, red, orange, yellow, green, white, black, gray, violet or blue—specify color. Av. shpg. wt., 25' spool, 6 oz.; 100' spool, 1 lb.

Size	Strands	Nom. O.D.	25-Ft. Spool		100-Ft. Spool	
			Stock No.	EACH	Stock No.	EACH
#22	7x30	.056"	55 C 9723	.58	55 C 9724	1.39
#22	solid	.051"			55 C 9735	1.17
#20	7x28	.064"	55 C 9726	.65	55 C 9727	1.58
#20	solid	.058"			55 C 9737	1.39
#18	16x30	.075"	55 C 9729	.77	55 C 9730	2.00
#16	19x29	.091"	55 C 9732	.97	55 C 9733	2.65

## ASSORTED RADIO-TV HOOK-UP WIRE



Stranded, and solid copper—some tinned and some untinned. Resistant to heat and moisture. Offers high conductivity with negligible loss. In assorted gauges, colors and types of insulation. Unlimited number of applications in chassis and subchassis wiring of radio and television receivers, transmitters, high-fidelity and public address equipment, kit building, etc.

55 C 9344. Six 25-ft. Coils. Shpg. wt., 1 lb. Per Pkg. 1.45  
55 C 9345. Five 100-ft. Coils. Shpg. wt., 2 1/2 lbs. Per Pkg. 3.35



## FLEXIBLE TEST-PROD WIRE

Limp, rubber-covered wire ideal for test leads. Designed to withstand extremely high voltages; puncture test voltage, 20,000 volts. Insulation thickness, .046". No. 20 conductor is 41x36 stranded. O.D., .137". Choice of red or black in 100-ft. spools only, 2 lbs.  
55 C 9474. Red, 100-ft. Spool... Each 3.35  
55 C 9475. Black, 100-ft. Spool... Each 3.35

## RUBBER-JACKETED SERVICE CORD



Quality-made, rubber-sheathed service cord. Stranded copper conductors have rubber insulation with black rubber jackets. Excellent for a wide variety of applications, including household appliances, garden and power tools, or wherever rough-usage extension cords are required. All types meet U.L. requirements and have maximum voltage ratings of 300 volts except types S #14 and S #10, 600 volts. Current capacity in amperes: SV #18 and SJ #18, 5 amps; SJ #16 (2 and 3 cond. types), 7 amperes; S #14, 15 amperes; S #10, 25 amperes. Available in standard 25', 50' and 100' spools only—specify spool length desired. \*No. of conductors. Av. shpg. wt., 100' spool, 3 lbs.

U.L. Type	Ga.	* O.D.	25-Ft. Spool		50-Ft. Spool		100-Ft. Spool	
			Stock No.	EA.	Stock No.	EA.	Stock No.	EA.
SV	#18	2.250"	55 C 8336	1.95	55 C 8337	2.65	55 C 8349	5.29
SJ	#16	2.340"	55 C 8353	2.50	55 C 8354	4.57	55 C 8361	9.14
SJ	#18	3.345"	55 C 8380	5.00	55 C 8381	5.04	55 C 8382	10.08
SJ	#16	3.375"	55 C 8384	4.05	55 C 8438	7.15	55 C 8450	14.30
S	#14	3.560"	55 C 8628	10.85	55 C 8629	11.37	55 C 8630	22.74
S	#10	3.690"	55 C 8631	14.50	55 C 8632	19.58	55 C 8633	39.15

## MICROPHONE CABLE



Single-Conductor



Multiple-Conductor

Plastic and rubber-jacketed mike cable with tinned, stranded copper conductors. All have tinned copper braided shield except \*tinned copper spiral shield. Plastic-jacketed types have plastic insulation and rubber-jacketed types, rubber insulation. Multiple-conductor types are color coded. Single-conductor type is especially suitable for lapel or lavalier mikes; 2-conductor types, for low-impedance mikes; 6-conductor type, for power supply cable. †No. Conductors. Av. shpg. wt.: 25' spool, 1 lb.; 100' spool, 6 lbs.

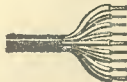
## PLASTIC JACKET

†	Size	O. D.	WV DC	25-Ft. Spool		50-Ft. Spool		100-Ft. Spool	
				Stock No.	EA.	Stock No.	EA.	Stock No.	EA.
1*	#22	.155"	2500	55 C 9420	1.49	55 C 9421	2.90	55 C 9422	5.20
2	#22	.231"	600	55 C 9423	3.55	55 C 9424	6.75	55 C 9425	10.35

## RUBBER JACKET

†	Size	O. D.	WV DC	100-Ft. Spool		250-Ft. Spool		500-Ft. Spool	
				Stock No.	EA.	Stock No.	EA.	Stock No.	EA.
2	#20	.268"	600	55 C 9427	12.00	55 C 9428	28.25	55 C 9429	56.07
6	#20	.349"	600	55 C 9430	22.25	55 C 9431	55.55		

## MULTIPLE-CONDUCTOR INTERCOM CABLE (Not Paired)



Quality plastic-jacketed cable with multiple, non-paired, plastic insulated conductors. Excellent for permanent installation of speakers, control and intercom circuits, and other applications requiring a highly durable, lightweight cable. Conductors are of No. 22 stranded copper wire; all are color-coded.

No. Cond.	O. D.	Lbs. 100'	25-Ft. Spool		50-Ft. Spool		100-Ft. Spool	
			Stock No.	EA.	Stock No.	EA.	Stock No.	EA.
3	.150"	2	55 C 9850	1.45	55 C 9851	2.50	55 C 9458	4.25
4	.168"	2 1/4	55 C 9852	2.00	55 C 9853	3.25	55 C 9854	4.75
5	.180"	2 1/2	55 C 9855	2.10	55 C 9856	3.30	55 C 9857	5.75
6	.190"	3	55 C 9858	3.25	55 C 9859	5.55	55 C 9860	8.45
8	.195"	3 1/4	55 C 9861	3.90	55 C 9862	5.90	55 C 9461	9.75

## PAIRED UNSHIELDED INTERCOM CABLE (JACKETED)



For intercom and telephone wiring. Color-coded conductors are No. 22 solid copper, cabled in twisted pairs with high-dielectric plastic jacket overall.

No. Cond.	O. D.	Lbs. 100'	25-Ft. Spool		50-Ft. Spool		100-Ft. Spool	
			Stock No.	EA.	Stock No.	EA.	Stock No.	EA.
2 (1 pr.)	.150"	1 1/2	55 C 9863	1.25	55 C 9864	1.85	55 C 9453	2.75
6 (3 pr.)	.240"	3 1/2	55 C 9865	2.75	55 C 9866	4.55	55 C 9867	6.00
8 (4 pr.)	.255"	4	55 C 9868	3.95	55 C 9869	6.00	55 C 8772	9.55

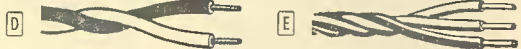
## SHIELDED PLASTIC INTERCOM CABLE



Two-conductor shielded cable for intercoms, sound and P.A. systems. All have plastic jackets with color-coded conductors. Fig. A has tinned copper shield; Fig. B, spiral-type tinned copper shield; Fig. C, aluminum-wrapped shield with ground wire.

Size	O. D.	Fig.	Lbs. 100'	25-Ft. Spool		50-Ft. Spool		100-Ft. Spool	
				Stock No.	EA.	Stock No.	EA.	Stock No.	EA.
#22	.170"	A	4	55 C 9876	2.45	55 C 9877	4.15	55 C 9878	6.45
#22	.167"	C	1 1/2	55 C 9879	2.10	55 C 9880	3.15	55 C 9442	4.80
#20	.184"	C	3	55 C 9881	2.30	55 C 9467	3.90	55 C 9468	5.25
#20	.195"	B	3 1/2	55 C 9882	2.35	55 C 9438	4.00	55 C 9440	5.95
#22	.170"	B	3	55 C 9883	2.05	55 C 9432	3.05	55 C 9433	4.97

## PAIRED UNSHIELDED INTERCOM CABLE (UNJACKETED)



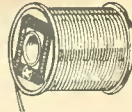
For speakers, alarm systems and other electronic applications. Conductors are No. 22 solid copper, plastic insulated and individually color-coded. Av. shpg. wt., 100' spool, 1 1/4 lbs.

No. Cond.	O. D.	Fig.	25-Ft. Spool		50-Ft. Spool		100-Ft. Spool	
			Stock No.	EA.	Stock No.	EA.	Stock No.	EA.
2	.112"	D	55 C 9870	1.07	55 C 9871	1.50	55 C 9455	2.30
3	.132"	E	55 C 9872	1.52	55 C 9873	2.15	55 C 9444	3.25

# Dearborn Wire and Cable

## PLAIN ENAMELED MAGNET WIRE

Enamel-insulated, soft-drawn copper wire. Especially manufactured for all types of coil winding applications—transformers, RF coils, chokes, etc. All sizes are standard B&S gauge. Available in 1-pound spools only. Average shipping weight, per spool, 1 lb. 4 oz.



Stock No.	Size	Feet	Per Spool	Stock No.	Size	Feet	Per Spool
55 C 9995	#36	12,800	3.17	55 C 9990	#26	1200	2.02
55 C 9994	#34	7950	2.60	55 C 9989	#24	798	1.89
55 C 9993	#32	4900	2.39	55 C 9986	#22	501	1.69
55 C 9992	#30	3200	2.27	55 C 9979	#20	313	1.61
55 C 9991	#28	1999	2.21	55 C 9978	#18	198	1.56

## HEAVY FORMVAR MAGNET WIRE

Copper magnet wire covered with Formvar; a tough, abrasion-resisting film. Stable dielectric is maintained under cumulative drying and aging effects of heat—does not fail after two hours at 105°C. Resists acid and alkali, impervious to effects of petroleum solvents. Infinite moisture resistance. Takes little winding space. Has many applications for technical service and industrial work. Specially useful in transformers, chokes, transmitters, and the repair and construction of electric motors. Replaces enamel, paper, cotton, silk, double cotton and double silk. Available in 1-lb. spools only. Av. slipp. wt., 1 lb. 4 oz.

Stock No.	Size	Feet	PER SPOOL
55 C 8661	#26	1200	3.30
55 C 8365	#24	798	2.84
55 C 8265	#22	501	2.64
55 C 8258	#20	313	2.38

## 75-OHM LOW-LOSS FOAM-TYPE COAXIAL CABLE FOR COLOR TV

RG-59/U-Type. Recommended by manufacturers as best antenna lead-in for color TV. Impedance, 75 ohms. Moisture resistant poly-foam dielectric keeps moisture out, reduces signal loss by 35%, and assures better picture quality. Ends strip quickly for connection to TV antenna and set. Suitable for Amateur and Citizens Band

Foam construction for extremely low loss. Features cellular polyethylene inner dielectric which reduces signal attenuation by as much as 35% over standard RG coax. Excellent choice for use in community TV installations, and many other UHF and VHF trans-

## ASSORTED AUTOMOTIVE PRIMARY WIRE

Handy assortment of primary wire for automobile and boating applications. Each package includes five 25-foot coils of stranded No. 14 and No. 16 gauge wire in a variety of colors. Tough, colorful outer insulation permits quick identification of wiring systems and adds distinction to engine appearance in car or boat. This automotive wire resists flame, oil, gasoline, grease, acid, fungus, moisture absorption, and most solvents. Has high temperature stability and remains flexible at low temperatures. Automotive wiring applications include: horn button, radio, headlights, stop lights, tail lights, gasoline gauges, primary of distributor to primary of coil, cigarette lighter, heater, starter to generator or switch to starter. Package includes five 25-ft. coils. Shpg. wt., 1 1/2 lbs. 55 C 9875..... Per Pkg. 3.45



## TINNED BUS-BAR WIRE

Finest quality, soft-drawn solid copper wire. Tinned for easy soldering. Well suited for making non-insulated hook-ups in all types of electronic equipment. Excellent choice for grounding and tie-in circuits in high-fidelity and PA amplifiers. 18-gauge and 20-gauge types suitable for shortwave antennas.

Size	O. D.	100-Ft. Spool			1000-Ft. Spool		
		Stock No.	Lbs.	EACH	Stock No.	Lbs.	EACH
#26	.016"	55 C 7059	1/4	.71	55 C 7053	1	3.45
#24	.020"	55 C 9183	1/4	.73	55 C 9149	1 1/2	3.75
#22	.025"	55 C 9168	1/4	.75	55 C 9159	2 1/4	4.45
#20	.032"	55 C 9173	1/2	.88	55 C 9161	3 1/2	6.10
#18	.040"	55 C 9178	3/4	1.15	55 C 9163	5 1/4	8.55

applications. Use Series TNC, BNC, BN, C, UHF, N, and push-on connectors. Per 100 ft., 4 lbs. 55 C 9363, 50-Ft..... 3.95 55 C 9352, 100-Ft..... 5.67 55 C 9353, 500-Ft..... 22.37



## LOW-LOSS FOAM-TYPE RG COAXIAL CABLE

mitting and receiving applications. Type RG-8/U uses series N, C, HN and UHF-type connectors; Type RG-58/U uses series TNC, BNC, BN, C, UHF, N and push-on connectors. Both types listed have bare copper conductor.

Type	Imp. Ohms	Conductor	O. D.	pF per Ft.	Lbs. per 100'	50-Ft. Spool		100-Ft. Spool		500-Ft. Spool		1000-Ft. Spool	
						Stock No.	EA.	Stock No.	EA.	Stock No.	EA.	Stock No.	EA.
RG-8/U	50	13 (7x21)	.405"	26.0	10 1/2	55 C 9354	7.50	55 C 9342 X	14.30	55 C 9343 X	58.12	55 C 9346 X	116.24
RG-58/U	53.5	20 solid	.195"	28.5	3	55 C 9357	3.50	55 C 9347	5.67	55 C 9348 X	22.05	55 C 9349 X	43.94

## STANDARD RG HIGH-FREQUENCY COAXIAL CABLE

Rugged, high-quality coaxial cable for RF transmission line, antenna lead-in, test equipment leads, and similar communications uses. All have an efficient, low-loss, polyethylene inner dielectric. Outer plastic jackets are virtually impervious to acids, alkalis, oils, chemicals, humidity and weathering effects—suitable for under-

ground applications. RG-8/U and RG-11/U types are for series N, C, HN and UHF connectors; RG-58/U and RG-59/U are for series TNC, BNC, BN, C, UHF, N and push-on connectors. RG-8/U and RG-58/U have bare copper conductors. RG-11/U has tinned copper conductor. RG-59/U has bare copperwire conductor.

Type	Imp. Ohms	Conductor	O. D.	pF per Ft.	Lbs. per 100'	25-Ft. Spool		50-Ft. Spool		100-Ft. Spool		500-Ft. Spool	
						Stock No.	EA.	Stock No.	EA.	Stock No.	EA.	Stock No.	EA.
RG-8/U	50	13 (7x21)	.405"	29.5	10 1/2	55 C 9886	4.70	55 C 9887	7.50	55 C 9300	12.98	55 C 9301 X	55.13
RG-11/U	75	18 (7x26)	.405"	20.5	10	55 C 9888	4.75	55 C 9889	7.50	55 C 9303	11.20	55 C 9304 X	47.43
RG-58/U	53.5	20 solid	.195"	28.5	3	55 C 9894	2.00	55 C 9897	3.10	55 C 9307	4.68	55 C 9308 X	18.26
RG-59/U	73	22 solid	.242"	21.0	4	55 C 9848	2.40	55 C 9849	3.50	55 C 9310	5.45	55 C 9311 X	19.91

## 7mm IGNITION WIRE

Specially designed for spark plug connections. Single conductor tinned, stranded copper with high dielectric insulation. Available in your choice of two types: select the black neoprene jacket for severe operating conditions in automobiles, boats and trucks; choose clear polyvinylchloride insulation for standard duty use on

all cars, boats and trucks. The clear jacket also provides a "dress up" appearance for the motor in "Hot Rods," racing cars, and custom motors. Available in 50, 100 and 500-ft. spools. Shpg. wts.: 50 foot spools, 2 lbs.; 100-foot spools, 4 lbs.; 500-foot spools, 9 lbs.

Insulation	Size	O. D.	Wall Size		Color	50-Ft. Spool		100-Ft. Spool		500-Ft. Spool	
			Inner	Outer		Stock No.	EACH	Stock No.	EACH	Stock No.	EACH
Rubber and Neoprene	#16 Stranded	.276"	.075"	.032"	Black	55 C 8601	5.30	55 C 8603	9.55	55 C 8514	43.50
Polyvinylchloride	#20 Stranded	.276"	.109"	.....	Clear	55 C 8602	5.30	55 C 8513	8.95	55 C 8515	38.50
Polyvinylchloride	#20 Stranded	.276"	.109"	.....	Red	55 C 8460	5.45	55 C 8461	8.95	55 C 8462	38.50

## AUTOMOTIVE AND MARINE WIRE

Specifically designed for electrical connections in autos, trucks, and boats. Single conductor, stranded bare copper primary wire with color-coded polyvinylchloride insulation. Resists the damaging

effects of flame, oil, gasoline, grease, acid and fungus. Also impervious to the deterioration caused by most solvents.

Conductor		O. D.	Wall Size	Color	Lbs. per 100'	50-Ft. Spool		100-Ft. Spool		500-Ft. Spool	
Size	Strands					Stock No.	EACH	Stock No.	EACH	Stock No.	EACH
#16	19x29	.102"	.102"	Brown	1 1/4	55 C 8604	1.80	55 C 8615	2.30	55 C 8608	10.50
#14	19x27	.123"	.023"	Green	2	55 C 8605	2.50	55 C 8616	3.20	55 C 8619	14.75
#12	19x25	.147"	.026"	Red	3	55 C 8606	2.70	55 C 8617	3.80	55 C 8620	17.95
#10	19x23	.183"	.031"	Black	4 1/4	55 C 8607	3.90	55 C 8618	5.75	55 C 8621 X	27.00



# Tubing, Wire Markers, Cable Ties, Intercom Cable

## ALPHA PVC, SHRINKABLE AND TEFLON TUBING

### PVC 105 PLASTIC TUBING

Plastic tubing features high tensile strength per MIL-I-6310, ASTM-0876, ASTM-0922 (Type F, Form U, Grade C, Class 1, Category 1) specs. Available in sizes 24 to 12. Have 0.016" wall thickness, except sizes 24 and 22, 0.012". Available in choice of Clear, Black, Red—specify color when ordering. Av. wt. per 100 ft., 5 oz.

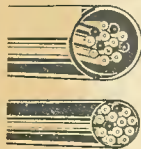
Stock No.	Size	Nom. I.D.	Per 100-ft. Coil		
			1-4	5-9	10-49
55 C 9269 C	24	.022"	2.43	2.11	1.80
55 C 9270 C	22	.027"	2.44	2.12	1.81
55 C 9271 C	20	.034"	2.49	2.16	1.85
55 C 9272 C	18	.042"	2.58	2.23	1.88
55 C 9273 C	16	.063"	2.72	2.35	1.96
55 C 9274 C	14	.066"	2.89	2.49	2.04
55 C 9275 C	12	.085"	3.07	2.64	2.16

Sizes 10 to 2. Size 10, .016" wall thickness; all other sizes, .020". Available in choice of Clear, Black, Red—specify color. Av. shpg. wt. per 100 ft., 10 oz.

Stock No.	Size	Nom. I.D.	1-4	5-9	23-5
55 C 9281 C	10	.106"	3.27	2.81	2.35
55 C 9282 C	8	.133"	4.57	3.89	3.16
55 C 9283 C	6	.166"	5.19	4.41	3.52
55 C 9284 C	4	.208"	6.00	5.08	3.97
55 C 9285 C	2	.263"	6.91	5.84	4.50

Sizes 0 to 3/8". Wall thicknesses, size 0, .020"; \*.025; †.030". Choice of Clear or Black—specify color when ordering. Av. shpg. wt. per 100-ft. coil, 5 lbs.

Stock No.	Size	Nom. I.D.	1-4	5-9	23-5
55 C 9292 C	0	.330"	7.98	6.73	5.14
55 C 9293 C	5/16"	.312"	9.42	7.94	6.04
55 C 9294 C	3/8"	.375"	10.81	9.09	6.91
55 C 9295 C	1/2"	.500"	12.77	10.64	8.07
55 C 9296 C	3/4"†	.625"	16.38	15.30	11.73

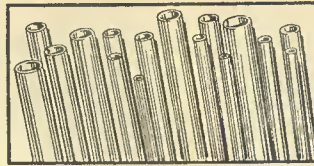


### FIT-105 FLEX TUBING

Irradiated polyvinylchloride (PVC) provides snug, flexible insulation. Excellent for insulation over splices. Supplied at "Min. I.D." size shrinks to "Recov. I.D." size in only 7 seconds when heated to 325°F. Supplied in black only. Write, Wire or Phone for Quantities Larger Than Those Listed.

Size	Min. I.O.	Recov. I.O.	Wall Thick.	Stock No.	Wt. Lbs.	Per 25' Coil	Stock No.	Wt. Lbs.	Per 100' Coil
									1-4 5-9
3/4"	.045"	.023"	.020"	55 C 8635	.1	2.95	55 C 8647	.1	9.15 7.10
1/2"	.062"	.031"	.020"	55 C 8636	.1	3.06	55 C 8648	.3	9.50 7.40
3/8"	.093"	.046"	.020"	55 C 8637	.1	3.48	55 C 8649	5	10.15 8.45
1/4"	.125"	.062"	.020"	55 C 8638	.2	3.25	55 C 8650	1	10.70 9.85
1/8"	.187"	.093"	.025"	55 C 8639	.3	3.90	55 C 8651	1	12.80 12.00
1/16"	.250"	.125"	.025"	55 C 8640	.4	4.40	55 C 8652	1	16.30 14.88
1/32"	.375"	.187"	.030"	55 C 8641	.5	4.75	55 C 8653	2	17.75 16.39
1/64"	.500"	.250"	.030"	55 C 8642	.8	5.50	55 C 8654	4.5	17.36 13.30
3/16"	.750"	.375"	.035"	55 C 8643	1.3	6.90	55 C 8655	5.0	24.50 17.75
1"	1.000"	.500"	.040"	55 C 8644	2.2	9.30			
1 1/2"	1.500"	.750"	.045"	55 C 8645	3.9	14.50			
2"	2.000"	1.000"	.050"	55 C 8646	4.5	20.15			

### TEFLON EXTRUDED FLEXIBLE TUBING



High temperature "Class C" thin, flexible spaghetti extruded from pure Teflon® TFE fluoro-carbon resins of uniform density and color. High degree of resistance to fatigue and stresses. Non-flammable, will not melt or flow. Dielectric strength, 500-1000 V/mil. -67°C to +260°C; 60 Hz to 100 MHz. Meets MIL-I-221292C, AMS-3653B, MIL-I-3158, MIL-104-C. Shpg. wt. per 100' spool, 5 oz.

MHz. Meets MIL-I-221292C, AMS-3653B, MIL-I-3158, MIL-104-C. Shpg. wt. per 100' spool, 5 oz.

### TYPE TFT 200 THIN-WALL TEFLON TUBING

Stock No.	AWG Size	Nominal Inside Dia.	Wall Thick.	100' Spools EACH
55 C 9259	30	.012"	.009"	9.00
55 C 9260	28	.015"	.009"	8.00
55 C 9261	26	.018"	.010"	7.70
55 C 9262	24	.022"	.010"	7.70
55 C 9263	22	.027"	.010"	9.50
55 C 9264	20	.034"	.012"	12.00
55 C 9265	19	.038"	.012"	12.50
55 C 9266	18	.042"	.012"	12.98
55 C 9267	17	.047"	.012"	14.18
55 C 9268	16	.053"	.012"	14.53
55 C 9759	15	.059"	.012"	14.58
55 C 9760	14	.066"	.012"	16.04
55 C 9761	13	.076"	.012"	17.17
55 C 9762	12	.085"	.012"	18.48
55 C 9763	11	.095"	.012"	20.45
55 C 9764	10	.106"	.012"	22.04
55 C 9765	9	.118"	.015"	24.95
55 C 9766	8	.133"	.015"	27.52
55 C 9767	7	.148"	.015"	29.45
55 C 9768	6	.166"	.015"	31.82
55 C 9769	5	.186"	.015"	34.85

### TYPE TFT 250 STANDARD-WALL TEFLON TUBING

Stock No.	Size	Nominal Inside Dia.	Wall Thick.	100' Spools EACH
55 C 8950	24	.022"	.012"	10.01
55 C 8951	22	.027"	.012"	11.23
55 C 8952	20	.034"	.016"	15.19
55 C 8953	18	.042"	.016"	18.70
55 C 8954	14	.066"	.016"	24.03
55 C 8979	12	.085"	.016"	27.41



### SHRINKABLE TUBING ASSORTMENT

Type PVC HIT-105-MS-1 Assortment. Irradiated polyvinylchloride. Provides snug, flexible insulation for cable jacketing, cable markers. Use as insulation over splices. Supplied at "Min. I.D." size; shrinks to "Recov. I.D." in only 7 seconds when heated to 325°F. Black. Each tube 10" long. Includes ten each: 3/64, 1/8, 3/32, 1/4, 3/16, 1/2" dia. (listed at left). Shpg. wt., 8 oz.

55 C 8658.....4.00

### MASTER HEAT GUNS



Two heat gun models that feature delivery of controlled heat up to 1000°F without the danger of an open flame. Perfect for use with shrinkable tubing, forming plastics, and forced drying. Type HG-501 is 14 amps, produces heat

from 500°F to 750°F. HG-751 is 20 amps, provides 750°F to 1000°F. For 110-120 volts. 60 Hz AC. Shpg. wt., 5 lbs.

55 C 8576. Type HG-501.....49.90  
55 C 8574. Type HG-751.....59.95

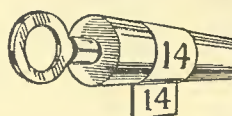
### RICHCO CABLE TIES



High-dielectric polyethylene with 45 lb. breaking-point. Withstand temperatures to +120°F. Each is 4 1/2" long, 4 oz. 100 Per Pkg.

Stock No.	Type	Color	PKG. OF 100
55 C 7056	EZ-10	Red	1,20
55 C 7069	EZ-12	Blue	1,20
55 C 7057	EZ-11	Yellow	1,20

### BRADY SELF-STICKING WIRE MARKERS



Self-sticking, preprinted 1/2" long (\* 1 1/2") markers for permanent identification of wires and cables under .150". Provide positive coding of circuits, panels, etc. Resists heat (to 250°F), oil solvents. Thin for confined areas. Stocked in cards of consecutive numbers or letters. Shpg. wt., 1 oz.

Stock No.	Description	Markers per Card	PER CARD
55 C 7009	Consecutive numbers 0-49	150	.27
55 C 7010	Consecutive numbers 50-99	150	.27
55 C 7011	Consecutive numbers 100-132	99	.27
55 C 7012	Consecutive numbers 133-165	99	.27
55 C 7013	Consecutive numbers 166-198	99	.27
55 C 8395	Consecutive letters A-Z*	26	.20

### TALK-A-PHONE INTERCOM CABLE

No.	Mfr's Lbs.	50 Roll	100' Roll	200' Roll				
Cond.	Type	100'	EA.	Stock No.	EA.	Stock No.	EA.	
6	5506	3 1/2	55 C 8063	5.50	55 C 8067	11.00	55 C 8068	22.00
11	9911	12	55 C 8064	10.50	55 C 8073	21.00	55 C 8074	42.00

# Graphic Art, Printed Circuit and Lettering Kits

## KEPRO PC KIT SUPPLIES

Replacement materials for Kepro PC kits, or for those already engaged in PC work. Type S-2 and P-2 have foil on both sides, S-1 and P-1, one side only. S is photosensitized coated. 5 sheets per package.

### G-10 1/8" GLASS EPOXY SHEETS

Av. shgp. wt., 1/2 lb. per pkg.

Stack No.	Type	Description	Size	PKG.
47 C 0930	S1-335G	Light sens.	3x3"	3.70
47 C 0932	S1-365G	Light sens.	3x6"	6.65
47 C 1007	S2-335G	Light sens.	3x3"	4.55
47 C 1012	S2-365G	Light sens.	3x6"	8.15

### XXXP 1/8" PHENOLIC SHEETS

Av. shgp. wt., 1/2 lb. per pkg.

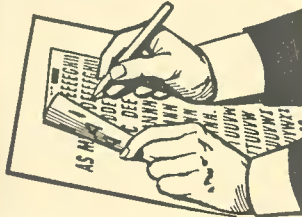
Stack No.	Type	Description	Size	PKG.
47 C 0594	P1-365PB	Perf. Unsen.	3x6"	2.40
47 C 0599	P2-365	Perf. Unsen.	3x6"	2.55
47 C 0679	P1-335	Light sens.	3x3"	2.15
47 C 0681	S1-365	Light sens.	3x6"	3.55
47 C 0731	S2-365	Light sens.	3x6"	5.05

### CHEMICALS

Shgp. wt., 6 oz. except pints, 3 lbs.

Stack No.	Type	Description	Size	PKG.
47 C 1102	RMP-700	Resist pen	2 oz.	.75
47 C 1104	R-2	Paint resist	2 oz.	.60
47 C 1106	T-2	Resist thin	2 oz.	.50
47 C 1107	D-1PT	Developing solution	Pint	1.15
47 C 1159	E-1PT	Etching solution	Pint	.85

## DATAK DRY STENCIL LETTERS



Electronic Equipment Title Set. Complete set of pre-printed titles for 95% of electronic markings. Instant dry-transfer process; 24 easy-to-handle sheets, 3x5", in black or white letters. Shgp. wt., 4 oz.

Stack No.	Type	Description	Color	EA.
23 C 7780	958	Title Set	Black	4.95
23 C 7781	959	Title Set	White	4.95
23 C 7782	960	Refill Alphabet	Black	2.50
23 C 7783	961	Refill Alphabet	White	2.50
23 C 7784	962	Refill Numerals	Black	2.50
23 C 7785	963	Refill Numerals	White	2.50

Terminal and Chassis Set. 24 sheets, letters and numerals, in black or white. 3 oz.

23 C 7452	966	Term./Chas.Set	Black	4.95
23 C 7454	967	Term./Chas.Set	White	4.95

970 Electronic Symbol Set. Dry-transfer symbols. All you draw are connecting leads. Opaque black, reproduction quality. 8 oz. 23 C 7455. Contains 40 Sheets. . . . . 15.95

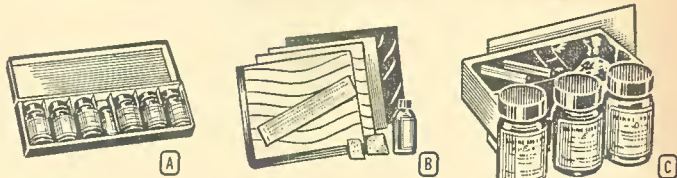
968 Meter and Dial Marking Set. 12 sheets in black, white and red, with designs, letters, numerals for dials, panels. 4 oz. 23 C 7456 . . . . . 4.95

971 Logic Diagram Symbols Kit. Size same as standard MIL STD 806 B Spec and ASA STD Y 32 and 14. Line width, .020", blends with #2 Rapidograph pen or 2H pencil. Black. Eight 4 1/2 x 7 1/4" sheets. 3 oz. 23 C 7462 . . . . . 3.50

Protective Coatings. Colorless coatings protect Instant Lettering transfers, Aerostat spray cans. Datakoat is for metal and other non-porous surfaces.

Stack No.	Type	Oz.	EA.
23 C 7457	Protect. spray-matte†	16	2.95
23 C 7458	Protect. spray-gloss†	16	2.95
23 C 7460	Datakoat spray-gloss†	16	2.95
23 C 7461	Datakoat spray-matte†	16	2.95
23 C 7459	Datakoat brush-on	3	1.00

## KEPRO NAMEPLATE AND PRINTED CIRCUIT KITS



**A** P-101A Etched Circuit Kit. Uses photo-engraving process to produce professional-quality etched circuits. With 3 XXXP phenolic boards (two 3x6", one 3x3"); 2 sheets mechanical negatives; solutions and accessories. Shgp. wt., 3 lbs.

47 C 1036 . . . . . 5.85  
47 C 1037. P-101A-G Kit. As above, but with G-10 glass epoxy boards. 3 lbs. . . . . 7.40

**B** NP-303A Enamel Nameplate Kit. Photo process makes aluminum letters on blue enamel. With two 8x10x.007" plates; solutions, accessories. Shgp. wt., 1 lb.

47 C 1206 . . . . . 7.25  
NP-404 Anodized Aluminum Nameplate Kit. Makes aluminum letters on anodized black background. With three 3x6x.025" plates, solutions and accessories. 1 1/2 lbs. 47 C 1207 . . . . . 6.55

### MICRO-CIRCUITS S-21 KIT

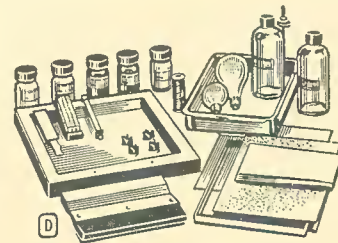
**C** All materials to paint electronic circuits. Includes brush, conducting paint, resistance paints, lacquer, solvent and accessories. Shgp. wt., 1 1/4 lbs.

47 C 0164 . . . . . 23.11

S-101A Standard Etched Circuit Kit. Resist applied by marking pen or tape to copper. Tape, pen and 3 panels 3x6" XXXP.

47 C 1100. Shgp. wt., 2 lbs. . . . . 3.95

47 C 1101. S-101A-G Standard Kit. As above, but with glass epoxy boards. Shgp. wt., 2 lbs. . . . . 5.25

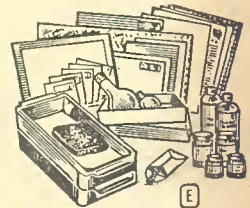


### D COMPLETE SILK SCREEN KIT

Model SC-601A. Everything for making three 7x9" silk screens. Produces lacquer resistant, film-type photo stencils for screen printing of etched circuit boards, nameplates, instrument panels, or decorative printing. With 10x12" screen frame with silk; two 14x16" screen silks; package of three 8x10" stencil film; #2 photo flood lamp; 8 1/2 x 11 1/2" print frame; complete set of chemicals; tray, thermometer and ink. Shgp. wt., 13 lbs.

47 C 1033 U . . . . . 35.00

## KEPRO KITS FOR MAKING ETCHED CIRCUITS



### E PRINTED-CIRCUIT LAB KIT

Model L-505A. For PC boards to 70 sq. in. from prototypes to short production runs. Has: 15 ass'd. photo-sensitized, copper-clad phenolic XXXP boards; trays; safe-light; photo-flood lamp; printing frame; PL-2A Layout Kit; mechanical negative; solutions; pen, eyelets, cleaning pad.

47 C 1034 U. Wt., 18 3/4 lbs. . . . . 34.75

L-505A-G. As above, but with G-10 glass epoxy circuit boards. 19 1/2 lbs.

47 C 1035 U . . . . . 42.95

## KEPRO TWO-STEP PHOTO-REVERSING KIT

FK-701. Simple two-step process makes line negatives and positives from taped or ink artwork, or reverses existing negatives and positives. With two 10x24" reversing films, chemicals. Shgp. wt., 1 1/2 lbs.

47 C 0160 . . . . . 7.20

47 C 0161. Extra Reversing Film. Wt. 2 oz. . . . . 3.00

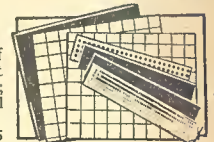
47 C 0162. Extra RF0-2 Developer. Wt., 2 oz. . . . . .60



## KEPRO PHOTO LAYOUT KIT

PL-2A. Eliminates necessity of inking and lettering through use of mechanical negative and pressure-sensitive characters. Layout time is reduced—errors easily corrected. Kit includes: tape dots; two tape strips; letters and numerals; acetate sheet; mechanical negative; layout paper and instructions. Shgp. wt., 1 lb.

47 C 1016 . . . . . 3.95



## KEPRO AND BRADY PHOTO LAYOUT SUPPLIES

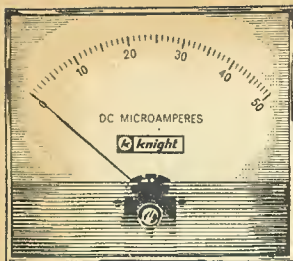
\*Brady Black, self-sticking strips for PC drafting. Photographs opaque without highlights.

Stack No.	Mfr's Type	Description	EACH
47 C 1025	MN-1212	12x12" Mechanical Negative	1.25
47 C 0166	TC125-031	Terminal Circles 1/4" O.D. (112 per card)	.50
47 C 0200	TC250-062	Terminal Circles 1/4" O.D. (96 per card)	.50
47 C 0263	TC500-125	Terminal Circles 1/2" O.D. (42 per card)	.50
47 C 1027	AT-810	Pressure-Sensitive Letters and Numerals on transparent base. (3 sizes, 4 fonts). 4 oz.	2.50
47 C 0419	*CSR062	Connector strips 1/8" wide (Pkg./3; 18 yds. per roll)	2.40
47 C 0450	*CSR125	Connector strips 1/8" wide (Pkg./2; 18 yds. per roll)	1.60
47 C 0459	*CSR250	Connector strips 1/4" wide (Pkg./2; 18 yds. per roll)	1.80

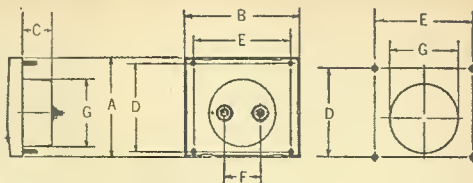


# Knight, Emico and Simpson Panel Meters

## KNIGHT 3 1/2" AND 4 1/2" AC AND DC PANEL METERS



Dim.	3 1/2"	4 1/2"
A	3"	4"
B	37/16"	4 1/2"
C	17 3/32"	17 3/32"
D	2 1/4" sq.	3 9/16 x 4"
E	11 3/32"	11 3/32"
F	2 3/4"	2 3/4"
G		



Allied's own full line of Knight panel meters—dependable low-cost, clear-view meters styled to give your equipment a modern appearance. Feature shielded external-magnet meter movements in both AC and DC models—can be mounted on ferrous panels without loss

of accuracy. Modern face, knife-edge pointer and crystal-clear plastic cover for easy reading. All mounting and terminal hardware is included for easy installation. Terminals: #10-32x2 7/64". Mounting studs: 3 3/64". Av. shgp. wt., 1 lb.

### 3 1/2" SQUARE METERS

Stock No.	Range	EACH	Stock No.	Range	EACH
52 C 7201	0-50 $\mu$ A DC	18.00	52 C 7226	0-15 amps DC	15.40
52 C 7202	0-100 $\mu$ A DC	16.55	52 C 7275	0-15 V DC	15.10
52 C 7203	0-200 $\mu$ A DC	15.10	52 C 7219	0-50 V DC	15.10
52 C 7204	25-0-25 $\mu$ A DC	18.10	52 C 7220	0-100 V DC	15.10
52 C 7209	0-1 mA DC	14.15	52 C 7221	0-150 V DC	15.10
52 C 7210	0-3 mA DC	14.15	52 C 7340	0-5 amps AC	13.20
52 C 7211	0-15 mA DC	14.15	52 C 7341	0-10 amps AC	14.00
52 C 7212	0-100 mA DC	15.40	52 C 7229	0-150 V AC	15.80
52 C 7213	0-200 mA DC	15.40	52 C 7230	0-300 V AC	15.80
52 C 7225	0-10 amps DC	15.40			

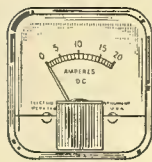
### 4 1/2" SQUARE METERS

Stock No.	Range	EACH	Stock No.	Range	EACH
52 C 7205	0-50 $\mu$ A DC	19.40	52 C 7228	0-15 amps DC	15.70
52 C 7206	0-100 $\mu$ A DC	18.35	52 C 7276	0-15 V DC	16.55
52 C 7207	0-200 $\mu$ A DC	16.55	52 C 7222	0-50 V DC	16.55
52 C 7208	25-0-25 $\mu$ A DC	19.55	52 C 7223	0-100 V DC	16.55
52 C 7214	0-1 mA DC	15.10	52 C 7224	0-150 V DC	16.55
52 C 7215	0-3 mA DC	15.10	52 C 7342	0-5 amps AC	15.35
52 C 7216	0-15 mA DC	15.10	52 C 7343	0-10 amps AC	15.35
52 C 7217	0-100 mA DC	15.70	52 C 7231	0-150 V AC	16.70
52 C 7218	0-200 mA DC	15.70	52 C 7232	0-300 V AC	16.70
52 C 7227	0-10 amps DC	15.70			

## EMICO LOW-COST PANEL METERS



NF-2C



RF-2 1/4 C



RF-2C



13 Edgewise

Accurate Within 5%

Offer accuracy and prestige appearance. DC meters have "HI-TORK" magnetic movements; AC meters, moving-iron. Work trouble-free even under severe conditions. Calibrated in steel cases, meters need no further adjustments. 5% accuracy is not affected by mounting in magnetic metal panels. Black-enamelled or zinc-irridite steel cases. Dimensions (overall depth and flange size): Model NF-2C, 1 1/4 x 2 1/4"; Model RF-2C, 1 3/2 x 2 1/4"; Model RF-2 1/4 C, 1 9/16 x 2 5/16" — fit in 2 1/16" diameter hole; Model 13 (all plastic) 3/4 x 1 1/16 x 2 1/8". Screw-terminal binding posts and/or lugs for solder connections. With mtg. hardware. Av. shgp. wt., 9 oz.

## SIMPSON WIDE-VUE VU METERS



Show volume level in both VU and % modulation. Self-shielded. Type A scale stresses level in VU for monitoring; Type B, % use of transmitter output.  $\pm$ 2% accuracy. Flange, 4x4.68"; body dia., 2.75"; depth, 1.08"; scale length, 3.53". Plastic cover. Wt., 1 lb.

### VU METERS

Model 1349—A Scale—4 1/2"	Range	Model 1349—B Scale—4 1/2"
52 C 8949	Each 32.10	-20 to 3
		52 C 8950
		Each 32.10

### DC MILLIAMMETERS

Model NF-2C			Model RF-2C		Model RF-2 1/4 C		Model 13	
Range	Stock No.	EACH	Stock No.	EACH	Stock No.	EACH	Stock No.	EACH
0-1	52 C 7609	3.70	52 C 7614	3.80	52 C 8012	4.05	52 C 6023	4.05
0-5	52 C 8970	2.65	52 C 8971	2.75	52 C 6022	3.00	52 C 6024	3.00
0-10	52 C 7600	2.50	52 C 7615	2.60	52 C 8013	2.85	52 C 6025	2.85
0-20	52 C 7601	2.15	52 C 7616	2.25	52 C 8014	2.60	52 C 6026	2.60
0-30	52 C 7602	2.15	52 C 7617	2.25	52 C 8016	2.60	52 C 6028	2.60
0-50	52 C 7603	2.15	52 C 7618	2.25	52 C 8017	2.60	52 C 6029	2.60
0-100	52 C 7604	2.15	52 C 7619	2.25	52 C 8018	2.60	52 C 6030	2.60
0-150	52 C 7605	2.15	52 C 7620	2.25	52 C 8018	2.60	52 C 6031	2.60
0-200	52 C 7606	2.15	52 C 7621	2.25	52 C 8019	2.60	52 C 6032	2.60
0-300	52 C 7607	2.15	52 C 7622	2.25	52 C 8020	2.60	52 C 6033	2.60
0-500	52 C 7608	2.15	52 C 7623	2.25	52 C 8021	2.60	52 C 6033	2.60

### AC VOLTMETERS

0-15	52 C 7665	3.35	52 C 7670	3.45	52 C 8022	3.75	52 C 6034	3.75
0-50	52 C 8978	3.35	52 C 8979	3.45	52 C 6038	3.75		
0-150	52 C 7666	3.90	52 C 7671	4.00	52 C 8023	4.45	52 C 6035	4.45
0-300	52 C 7667	4.50	52 C 7672	4.55	52 C 8024	4.95	52 C 6036	4.95

### DC AMMETERS

0-1	52 C 8972	2.15	52 C 8973	2.25	52 C 8025	2.60		
0-5	52 C 8974	2.15	52 C 8975	2.25	52 C 6043	2.60		
0-10	52 C 7650	2.15	52 C 7656	2.25	52 C 6044	2.60	52 C 6070	2.60
0-15	52 C 6039	2.15	52 C 6041	2.25	52 C 6045	2.60	52 C 6073	2.60
0-25	52 C 8976	2.15	52 C 8977	2.25	52 C 6046	2.60		
0-30	52 C 6040	2.15	52 C 6042	2.25	52 C 6047	2.60	52 C 6080	2.60
3-0-3	52 C 7651	2.15	52 C 7657	2.25				
20-0-20	52 C 7652	2.15			52 C 8027	2.60	52 C 6082	2.60
30-0-30	52 C 7653	2.15	52 C 7659	2.25	52 C 8028	2.60	52 C 6083	2.60

### DC VOLTMETERS

0-3	52 C 7630	2.15	52 C 7635	2.25	52 C 8082	2.60	52 C 6168	2.60
3-0-3	52 C 7631	2.15	52 C 7636	2.25	52 C 8083	2.60		
0-10	52 C 7632	2.15	52 C 7637	2.25	52 C 8084	2.60	52 C 6188	2.60
0-15	52 C 6090	2.15	52 C 6169	2.25	52 C 6092	2.60	52 C 6189	2.60
0-20	52 C 6091	2.15	52 C 6193	2.25	52 C 6093	2.60	52 C 6190	2.60
0-30	52 C 8980	2.15	52 C 8981	2.25	52 C 6096	2.60	52 C 6191	2.60
0-50	52 C 8982	2.15	52 C 8983	2.25	52 C 6097	2.60	52 C 6192	2.60

### AC AMMETERS

0-1	52 C 8984	3.35	52 C 8985	3.45				
0-5	52 C 7646	3.35	52 C 7648	3.45	52 C 8085	3.75	52 C 6195	3.75
0-10	52 C 7647	3.35	52 C 7649	3.45	52 C 8086	3.75		

### AC MILLIAMMETERS

0-500	52 C 7640	3.35	52 C 7643	3.45	52 C 8029	3.75	52 C 6212	3.75
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All Meters Are Calibrated in Steel Panels—Precision Accuracy Is Not Affected by Metal Panels

## CHOOSE FROM OUR GIANT STOCK OF PANEL METERS

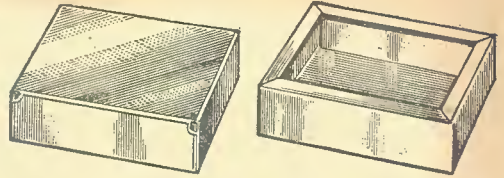
Allied offers the largest selection of panel meters found anywhere. Knight, Simpson, Triplett, API, Emico, and G.E. are stacked in depth. Write for information on any meter application.

# Bud Metal Products and Davies Plastic Cases

## STANDARD CHASSIS BASES

Have one-piece construction; corners are reinforced and spot-welded. The four sides are folded at the bottom for additional strength. Aluminum types are spot-welded. Steel chassis gauges: \*No. 22; †No. 20; §No. 18. Aluminum chassis gauges: †No. 18; \*\*No. 16; ††No. 14. Order bottom plates, below. AC-403; 2x9 1/2x5".

Allied stocks the complete line of Bud Metal Products for immediate shipment. Bud items not listed in this catalog are available from Allied. Contact us for prices or other information.



HxWxD Inches	Black-Wrinkle Steel				Zinc-Plated Steel				Natural-Finish Aluminum			
	Stock No.	Type	Lbs.	EACH	Stock No.	Type	Lbs.	EACH	Stock No.	Type	Lbs.	EACH
2x7x5	42 C 7820	CB-628*	1	1.40	42 C 7884	CB-629*	1	1.60	42 C 7846	AC-402†	1/2	1.50
2 1/2 x 9 1/2 x 5	42 C 7821	CB-644*	1 1/4	1.70	42 C 7898	CB-645*	1 1/4	2.10	42 C 7847	AC-403†	1/2	1.70
3x7x5									42 C 7905	AC-429**	3/4	1.80
3x9 1/2 x 5									42 C 7848	AC-421†	3/4	2.00
3x10x5	42 C 7823	CB-604*	1 1/4	1.70	42 C 7878	CB-605*	1 1/4	2.30	42 C 7855	AC-404†	3/4	2.00
3x13x5									42 C 7906	AC-422†	3/4	2.40
3x14x6	42 C 7824	CB-755†	1 3/4	2.20	42 C 7900	CB-756†	1 3/4	2.50	42 C 7139	AC-1414**	1 3/4	3.00
2x7x7	42 C 7825	CB-789†	1 1/2	1.60	42 C 7191†	CB-7191†	1 1/2	1.05	42 C 7849	AC-405†	1/2	1.70
2x9x7	42 C 7826	CB-790†	1 1/2	1.80	42 C 7880	CB-1182†	1 1/2	1.90	42 C 7850	AC-406†	1/2	1.80
2x11x7	42 C 7827	CB-791†	1 1/2	1.80	42 C 7881	CB-1193†	1 1/2	2.20	42 C 7851	AC-407†	1	2.00
3x12x7	42 C 7828	CB-792†	1 3/4	1.90	42 C 7882	CB-793†	1 3/4	2.60	42 C 7852	AC-408†	1 1/4	2.40
2x13x7	42 C 7829	CB-646†	2	1.90	42 C 7883	CB-1194†	2	2.40	42 C 7853	AC-409†	3/4	2.10
2 1/2 x 13 1/2 x 5	42 C 7207	CB-647†	2	2.20	42 C 7320	CB-1198†	2	2.70				
3x15x7	42 C 7208	CB-649†	3	2.40	42 C 7321	CB-1189†	2 3/4	3.00	42 C 7340	AC-411**	2 1/2	3.40
3x15x8 1/2	42 C 7209	CB-665†	3 1/2	2.70	42 C 7322	CB-666†	3	3.40	42 C 7145	AC-1420**	1 3/4	3.30
3x17x4	42 C 7210	CB-1068†	2 1/4	2.20	42 C 7323	CB-1066†	2 1/4	2.60	42 C 7341	AC-432**	1 1/2	2.90
2 1/2 x 17 x 7	42 C 7211	CB-648†	3	2.40	42 C 7324	CB-1199†	2 3/4	2.90	42 C 7142	AC-1417**	1 3/4	3.20
3x17x7	42 C 7212	CB-757†	3 1/2	2.70	42 C 7325	CB-758†	3	3.20	42 C 7143	AC-423**	1 3/4	3.40
2 1/2 x 10 x 8	42 C 7213	CB-701†	2	2.10	42 C 7326	CB-702†	2	2.40	42 C 7144	AC-1418**	2 1/4	2.50
2 1/2 x 12 x 8	42 C 7214	CB-703†	2 1/2	2.20	42 C 7327	CB-704†	2 1/2	2.70	42 C 7144	AC-1419**	2 1/2	3.00
3x12x8	42 C 7215	CB-759†	2 1/2	2.30	42 C 7328	CB-760†	2 3/4	2.90	42 C 7907	AC-424**	1 1/2	3.00
2x17x8	42 C 7217	CB-650†	3	2.10	42 C 7329	CB-774†	3	2.90	42 C 7345	AC-425**	1 1/2	3.10
3x17x8	42 C 7220	CB-651†	3 1/2	2.50	42 C 7330	CB-775†	3 1/2	3.20	42 C 7257	AC-412**	1 3/4	3.50
3x12x10	42 C 7830	CB-652†	3	2.40	42 C 7901	CB-1195†	3	3.00	42 C 7854	AC-413**	1 1/2	3.40
3x14x10	42 C 7831	CB-653†	4	2.50	42 C 7902	CB-779†	4	3.00	42 C 7908	AC-414**	1 3/4	3.50
2x17x10	42 C 7221	CB-654†	3 1/4	2.40	42 C 7284	CB-769†	3	3.00	42 C 7346	AC-415**	1 3/4	3.40
3x17x10	42 C 7222	CB-636†	3 3/4	2.40	42 C 7331	CB-1196†	4 3/4	3.70	42 C 7347	AC-416**	2	3.80
3x23x10	42 C 7225 X	CB-658§	5 1/2	3.60	42 C 7332 X	CB-1197§	5 1/2	4.20	42 C 7148 X	AC-1417**	1 3/4	5.90
2x17x11	42 C 7226 X	CB-659§	5 1/4	3.40	42 C 7285 X	CB-770†	4 1/2	3.30	42 C 7258 X	AC-426†	2 1/4	4.70
3x17x11	42 C 7228 X	CB-658§	5 1/4	3.40	42 C 7286 X	CB-771§	5 1/4	3.30	42 C 7259 X	AC-417†	2 1/2	4.90
2x17x12	42 C 7229 X	CB-663§	4 3/4	3.20	42 C 7334 X	CB-661§	4 3/4	3.80	42 C 7150 X	AC-1425**	1 1/2	4.50
3x17x12	42 C 7230 X	CB-664§	5 1/2	3.50	42 C 7287 X	CB-662§	5 1/2	4.50	42 C 7263 X	AC-418†	2 1/2	5.00
2x17x13	42 C 7231 X	CB-659§	5 1/4	3.50	42 C 7288 X	CB-772§	5 1/4	4.60	42 C 7348 X	AC-419†	2 1/2	4.40
3x17x13	42 C 7232 X	CB-660§	6 1/4	4.20	42 C 7289 X	CB-773§	6 1/2	5.00	42 C 7260 X	AC-420†	2 3/4	5.30
4x17x10	42 C 7233 X	CB-640§	5 3/4	3.90	42 C 7335	CB-643§	6 1/2	4.40	42 C 7261	AC-427†	2 3/4	5.60
4x17x13	42 C 7234 X	CB-642§	7 1/2	4.80	42 C 7336 X	CB-624§	7 1/2	5.80	42 C 7262 X	AC-428†	3 1/4	6.50
5x17x10	42 C 7235	CB-623§	7	5.60	42 C 7337	CB-624§	6 3/4	6.60	42 C 7147 X	AC-1422**	3/4	8.00
5x17x13	42 C 7236 X	CB-625§	7 3/4	6.10	42 C 7338 X	CB-626§	7 1/2	7.30	42 C 7151 X	AC-1426†	2 1/4	8.90

## BOTTOM PLATES FOR CHASSIS BASES

Bottom plates to fit the chassis bases listed above. Ideal for shielding and for protecting components and wiring from dust and damage. In black-wrinkle finish or zinc-plated heavy-gauge steel and natural-finish

aluminum (Alloy 5005 H-14). Have four embossed feet in corners to prevent marring and scratching of table-tops, shelves, or other surface. Drilled for use with No. 6 self-tapping screws.

Size WxL	Wt., Lbs.	Black Wrinkle				Zinc Plated				Natural-Finish Aluminum			
		Stock No.	Type No.	EACH	Stock No.	Type No.	EACH	Stock No.	Type No.	Lbs.	EACH		
5x7"	1/2	42 C 7654	BP-705	.70	42 C 7674	BP-706	.80	42 C 7694	BPA-1589	3/4	.90		
5x9 1/2"	3/4	42 C 7655	BP-680	.80	42 C 7675	BP-667	.90	42 C 7695	BPA-1590	3/4	.90		
5x10"	1	42 C 7656	BP-536	.90	42 C 7676	BP-538	.90	42 C 7696	BPA-1591	3/4	.90		
7x7"	1	42 C 7657	BP-681	1.20	42 C 7677	BP-668	1.10	42 C 7697	BPA-1592	3/4	.90		
7x9"	1	42 C 7658	BP-682	1.10	42 C 7678	BP-669	1.10	42 C 7698	BPA-1593	3/4	.90		
7x11"	1 1/4	42 C 7659	BP-683	1.10	42 C 7679	BP-670	1.20	42 C 7699	BPA-1594	3/4	1.00		
7x12"	1 1/4	42 C 7660	BP-537	1.30	42 C 7680	BP-539	1.40	42 C 7700	BPA-1595	3/4	1.10		
7x13"	1 1/4	42 C 7661	BP-684	1.10	42 C 7681	BP-671	1.40	42 C 7701	BPA-1596	3/4	1.30		
5x13 1/2"	1	42 C 7662	BP-685	.90	42 C 7682	BP-672	1.10	42 C 7167	BPA-1510	3/4	1.30		
4x17"	1 3/4	42 C 7663	BP-1069	1.00	42 C 7683	BP-1067	1.40	42 C 7163	BPA-1532	3/4	.90		
7x17"	1 3/4	42 C 7664	BP-686	1.00	42 C 7684	BP-673	1.50	42 C 7174	BPA-1517	3/4	1.40		
8x10"	1 3/4	42 C 7668	BP-707	1.00	42 C 7685	BP-708	1.20	42 C 7175	BPA-1518	3/4	1.40		
8x12"	1 3/4	42 C 7665	BP-709	1.20	42 C 7686	BP-710	1.40	42 C 7176	BPA-1519	1/2	1.70		
8x17"	1 3/4	42 C 7666	BP-687	1.10	42 C 7687	BP-674	1.70	42 C 7177	BPA-1520	1/2	1.70		
10x12"	1 3/4	42 C 7667	BP-688	1.10	42 C 7688	BP-675	1.80	42 C 7180	BPA-1523	3/4	1.70		
10x14"	1 3/4	42 C 7669	BP-517	1.60	42 C 7689	BP-514	1.70	42 C 7181 X	BPA-1524	3/4	1.70		
10x17"	1 3/4	42 C 7670	BP-689	1.40	42 C 7690	BP-676	1.80	42 C 7702	BPA-1597	3/4	1.70		
11x17"	1 3/4	42 C 7671 X	BP-690	1.40	42 C 7691 X	BP-677	1.80	42 C 7183	BPA-1526	3/4	1.90		
12x17"	2	42 C 7672 X	BP-691	1.60	42 C 7692 X	BP-678	2.10	42 C 7185	BPA-1528	3/4	2.20		
13x17"	2 1/4	42 C 7673 X	BP-692	1.70	42 C 7693 X	BP-679	2.40	42 C 7703	BPA-1598	3/4	2.40		

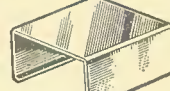
## OPEN-END ALUMINUM CHASSIS

Heavy-gauge. U-shaped construction with ends folded over 3/4". For any cabinet, but ideally match Bud units listed in table, below. Av. shpg. wt., 1 lb.



## MINIATURE ALUMINUM CHASSIS

Open-end aluminum chassis for limited space applications. For any cabinet, but ideally match Bud units listed in table below. One-piece construction. 1/4" mounting flanges. Av. shpg. wt., 3/4 lb.



Stock No.	Type	HxWxD	For	EACH
42 C 7801	CB-30	1 1/2 x 7 x 5"	C-973	1.20
42 C 7802	CB-41	1 1/2 x 7 x 7"	C-993	1.40
42 C 7804	CB-996	1 1/2 x 9 x 5 1/2"	C-999	1.40
42 C 7805	CB-976	1 1/2 x 9 x 7 1/2"	CD-1481	1.70
42 C 7807	CB-997	1 1/2 x 11 x 7"	C-994, CD-1482	1.60
42 C 7808	CB-998	1 1/2 x 13 x 7"	C-995, CD-1483	1.90
42 C 7800	CB-38	2x6x7"	C-1584	1.20
42 C 7803	CB-39	2x8x7"	C-1585	1.40
42 C 7806	CB-40	2x10x7"	C-1586	1.60

Stock No.	Type	HxWxD	For	EA.
42 C 7810	CB-1624	1x3 1/2 x 1 3/4"	CU-883	.50
42 C 7816	CB-1617	1x3 1/2 x 2 1/4"	C-1606	.50
42 C 7812	CB-1626	1x4 1/2 x 2 1/4"	CU-728	.60
42 C 7817	CB-1618	1x4 1/2 x 4"	C-1607	.60
42 C 7818	CB-1619	1x5 1/2 x 4"	C-1608	.70
42 C 7819	CB-1620	1x6 1/2 x 4"	C-1609	.70
42 C 7809	CB-1623	1 1/4 x 2 1/4 x 2 3/8"	.....	.40
42 C 7814	CB-1628	1 1/2 x 6 1/2 x 3"	C-1788	.70
42 C 7813	CB-1627	1 1/2 x 4 1/2 x 3 3/4"	CU-729	.60
42 C 7815	CB-1625	1 1/2 x 4 1/2 x 5 1/4"	CU-1098	.70
42 C 7811	CB-1625	2x4 1/2 x 3 1/4"	C-1788	.60

## HARRY DAVIES PLASTIC CASES AND PANELS

Molded black plastic cases and panels designed for test instrument mounting. Sturdily constructed to protect components. Recessed bosses for flush mounting of covers. Drilled for 1/2" No. 6 self-tapping screws except \*tapped for 4-36x1/2" screws. Walls and covers are 1/8" thick.



Stock No.	Size HxWxD	Wt., Lbs.	EACH
42 C 7895	*2 7/8 x 4 x 1 3/8"	1	.39
42 C 7885	6 1/4 x 3 3/4 x 2"	1 1/2	.66
42 C 7886	6 1/4 x 5 1/2 x 2 3/8"	2	.89

MATCHING COVERS			
Stock No.	Size HxWxD	Wt., Lbs.	EACH
42 C 7887	6x3 1/2"	1 1/2	.61
42 C 7888	6 1/4 x 3 3/4"	1 1/2	.45
42 C 7896			



# Bud Metal Cabinets and Cases

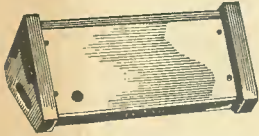


## TILT-A-VIEW CABINETS

Slanted front face and vertical rear face of cabinet provide a number of viewpoints to allow accurate, no-glare reading of equipment. Detachable lens. 16-ga. steel construction. Scratch-resistant gray and brown finish.

Stock No.	Mfr's Type	HxWxD	Wt., Lbs.	EACH
42 C 7377 X	TV-2155	4 1/2 x 15 x 10"	7	7.50
42 C 7378 X	TV-2156	6 1/2 x 16 x 12"	12 1/2	8.90
42 C 7379 X	TV-2157	8 1/2 x 17 x 14"	17	12.80

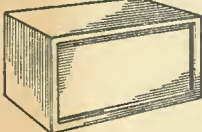
## MARK-T CABINETS



Entire contents are visible and accessible through opening door. Door and front panel can be removed. Self-adjusting latch. 16-ga. all-welded steel construction. Rubber feet, recessed carrying handles. Charcoal-gray finish, light gray panel and door.

Stock No.	Mfr's Type	Width	Panel Size	Wt., Lbs.	EACH
42 C 7384 X	MT-214	16"	5 1/4 x 14"	9	28.10
42 C 7385 X	MT-219	21"	5 1/4 x 19"	12	30.80
42 C 7386 X	MT-224	26"	5 1/4 x 24"	14 1/2	36.30

## MULTI-PURPOSE FUTURA CABINETS



Cabinet has removable top and side. The front panel is flange held, no screws are required. Body and rear panel are of 20-gauge steel; front panel, both vertical and 15° incline, are of 18-gauge steel. Each has four rubber feet mounted on base. Chassis may be mounted to the base, front or to rear panel. Cabinets come with a smooth blue or gray finish. Specify finish desired.

Stock No.	Type	Size, HxWxD	Panel Style	Wt., Lbs.	EACH
42 C 8732 CX	1960	7 x 13 x 8"	Vertical	6 3/4	8.40
42 C 8737 CX	1965	8 x 16 x 9"	Inclined	8 3/4	11.10



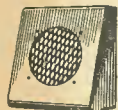
## STREAMLINED CABINETS

Ideal for small electrical and electronic devices. Ruggedly built. Recessed hinged-cover has convenient finger-lift for easy opening. Complete access to components. Front panel fits flush with embossed, rounded front corners. Panel is removable for chassis installation or cutouts. 3 1/2" high opening in rear for cables or controls. Louvered sides provide ample ventilation. Steel, 20-gauge body and 18-gauge panel. 8" high x 8 1/4" deep, except \*12" high x 12" deep.

Stock No.	Type	Size, HxWxD	Panel Style	Wt., Lbs.	EACH
42 C 8732 CX	1960	7 x 13 x 8"	Vertical	6 3/4	8.40
42 C 8737 CX	1965	8 x 16 x 9"	Inclined	8 3/4	11.10

## SPECIFY BLACK WRINKLE OR GRAY HAMMERTONE FINISH

Stock No.	Mfr's Type	Width	Panel Space	Wt., Lbs.	EACH
42 C 7592 C	CD-1480	10 1/2"	8 x 8"	6 1/4	6.90
42 C 7593 C	CD-1481	12 1/2"	8 x 10"	6	7.00
42 C 7594 C	CD-1482	14 1/2"	8 x 12"	7 1/2	7.40
42 C 7595 C	CD-1483	16 1/2"	8 x 14"	7 3/4	7.90
42 C 7596 C	CD-1484	18 1/2"	8 x 16"	8 1/2	8.60
42 C 7597 C	CD-1485*	20 1/2"	12 x 18"	16 3/4	17.50

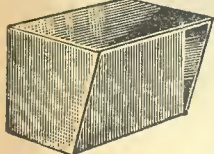


## WALL-TYPE SPEAKER CASES

Rugged, versatile steel speaker cases for use on wall or table. Will not warp or split. Designed and built to be unaffected by weather and temperature conditions. Keyway holes are provided for wall-mounting and four embossed feet for table-mounting. Brown wrinkle chromed finish.

Stock No.	Mfr's Type	Hole Size	Sprk. Size	Size HxWxD	Wt., Lbs.	EACH
42 C 8771	CS-1948	3 1/2"	4"	7 1/2 x 6 1/2 x 4 1/2"	1 3/4	3.10
42 C 8772	CS-1939	4"	5"	7 1/2 x 6 1/2 x 4 1/2"	1 3/4	3.30
42 C 8773	CS-1940	4 3/4"	6"	9 1/2 x 8 x 5 1/2"	3	3.80
42 C 8774	CS-1941	6 1/2"	8"	11 1/2 x 9 1/2 x 7"	4	4.80

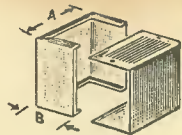
## ALUMINUM COWL-TYPE MINIBOXES



Bud's cowl-type miniboxes. Attractively styled; easily drilled or punched. Have projecting cover which reduces glare on the panel from overhead lighting. Also provide protection for knobs, switches, and meter faces. May be used for housing receivers, transmitters, test equipment, etc. Cover has two 1/2" box braces to which bottom is attached with #6 sheet metal screws provided. This construction results in a sturdy, rigid housing. All are made of long-lasting, 18-gauge aluminum. Choice of handsome, gray hammertone finish or natural aluminum.

Size HxWxD	Shpg. Wt. Lbs.	Gray Hammertone	Type SC-	EACH	Natural Aluminum	Type SC-	EACH
6x10x7"	2	42 C 8684	2130	6.70	42 C 8688	3030	4.80
7x12x8"	2 1/4	42 C 8685	2131	7.30	42 C 8689	3031	5.30
3x8x6"	1	42 C 8686	2132	3.90	42 C 8690	3032	2.70
5x5x5"	1	42 C 8687	2133	4.00	42 C 8691	3033	2.90

## ALUMINUM MINIBOXES



Two-piece aluminum boxes with gray hammertone or natural aluminum finish. Particularly suited for sub-assemblies. May be used for amplifier, converter, TVI filters, test units, etc. Two-piece construction permits easy access to circuitry. Flanges assure low RF leakage and high rigidity. Dual-purpose snap locks permit quick assembly and disassembly; also permit use with self-tapping screws (supplied).

Size AxCxB	Shpg. Wt., Lbs.	Gray Hammertone Type CU-	EA.	Natural Aluminum Type CU-	EACH		
2 3/4 x 2 1/2 x 1 5/8"	1/4	42 C 7616	2100A	.90	42 C 7634	3000A	.70
3 1/4 x 2 1/2 x 1 5/8"	1/4	42 C 7633	2117A	.90	42 C 7651	3017A	.80
3 1/4 x 2 1/2 x 1 5/8"	1/4	42 C 7617	2101A	.90	42 C 7635	3001A	.70
4 x 2 3/4"	1/4	42 C 763	2115A	1.00	42 C 7643	3015A	.90
4 x 2 1/2 x 1 5/8"	1/4	42 C 7618	2102A	.90	42 C 7636	3002A	.80
4 x 2 1/4 x 2 1/4"	1/4	42 C 7619	2103A	1.00	42 C 7637	3003A	1.00
4 1/4 x 2 1/4 x 1 1/2"	1/4	42 C 7632	2116A	.00	42 C 7650	3016A	.90
5 x 2 1/4 x 2 1/4"	1/4	42 C 7620	2104A	1.10	42 C 7638	3004A	.90
5 x 4 x 3"	1/2	42 C 7621	2105A	1.40	42 C 7639	3005A	1.00
5 1/4 x 3 x 2 1/8"	1/4	42 C 7622	2106A	1.20	42 C 7640	3006A	1.00
6 x 5 x 4"	3/4	42 C 7623	2107A	1.80	42 C 7641	3007A	1.40
7 x 5 x 3"	3/4	42 C 7624	2108A	2.00	42 C 7642	3008A	1.70
8 x 6 x 3 1/2"	1	42 C 7625	2109A	2.60	42 C 7643	3009A	2.20
10 x 2 x 1 5/8"	1/2	42 C 7629	2113A	1.50	42 C 7647	3013A	1.30
10 x 6 x 3 1/2"	1 1/4	42 C 7626	2110A	2.90	42 C 7644	3010A	2.40
8 x 6 x 2 1/2 x 2 1/4"	1 1/2	42 C 7627	2111A	2.00	42 C 7648	3011A	1.60
12 x 1 x 4"	1	42 C 7628	2112A	3.90	42 C 7645	3012A	3.30
17 x 5 x 4"	2 1/4	42 C 7628	2112A	3.90	42 C 7646	3012A	3.30

## UTILITY CABINETS

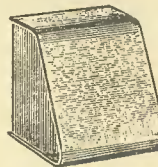


Metal utility cabinets for all types of electronic equipment. Excellent for housing receivers, monitors, VFO's, test equipment, frequency meters, transmitters, etc. Well adapted for shielding of high gain preamplifiers, RF sections, other special circuits. Two removable panels attach to flanges with self-tapping screws. \*Gray aluminum.

Size, HxWxD	Mfr's Type	Wt., Lbs.	Stock No.		EACH
			Black Steel	Gray Steel	
4x4x2"	CU883	3/4	42 C 7856	42 C 7606	1.40
4x5x3"	CU928	1 1/8	42 C 7857	42 C 7607	1.50
6x5x4"	CU729	1 1/2	42 C 7858	42 C 7608	2.00
6x6x6"	CU1098	2 1/2	42 C 7859	42 C 7609	2.60
9x6x5"	CU1099	3	42 C 7860	42 C 7610	2.90
10x8x7"	CU879	5	42 C 7861	42 C 7611	4.10
10x10x8"	CU880	5 1/2	42 C 7863	42 C 7613	4.90
12x7x6"	CU1124	4	42 C 7862	42 C 7612	4.00
12x11x8"	CU881	6	42 C 7864	42 C 7614	5.40
15x9x7"	CU882	7 1/2	42 C 7865	42 C 7615	5.50

Size, HxWxD	Mfr's Type	Wt., Lbs.	Stock No.		EACH
			Natural Aluminum	*Hammertone Aluminum	
4x4x2"	AU-1083	1/4	42 C 8543	42 C 8548	1.90
4x5x3"	AU-1028	1/2	42 C 8544	42 C 8549	2.10
6x5x4"	AU-1029	1/2	42 C 8545	42 C 8550	2.20
6x6x6"	AU-1039	3/4	42 C 8546	42 C 8551	3.00
9x6x5"	AU-1040	1	42 C 8547	42 C 8552	3.70

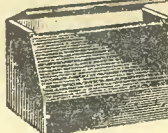
## UNIVERSAL SLOPING-PANEL CABINETS



Versatile, streamlined sloping-panel cabinets available in steel or aluminum. Offer enough space to house a two- or three-miniature-tube amplifier or gadget. Sides and one-piece detachable back fasten to the body with self-tapping screws for easy service and replacement of components. Fully enclosed to exclude dust and moisture. Easily accommodate most small chassis. All units are 4" high, 4 1/4" deep. Finished in attractive gray hammertone.

Width	Steel Stock No.	Aluminum Stock No.	Shpg. Wt., Lbs.	EA.	Aluminum Stock No.	Type AC-	Shpg. Wt., Lbs.	EA.
4"	42 C 8642	1606	3/4	1.80	42 C 8646	1610	1/2	2.30
5"	42 C 8643	1607	1	2.00	42 C 8647	1611	3/4	2.20
6"	42 C 8644	1608	1 1/4	2.00	42 C 8648	1612	1	2.40
7"	42 C 8645	1609	1 1/2	2.40	42 C 8649	1613	3/4	2.60

## SLOPING-PANEL CABINETS



Sloping-panel steel cabinets with hinged top for easy access to tubes and top-of-chassis components. Removable front panel permits easy attachment of chassis. Fit following sized chassis: Type C-1584, 7x6x2"; Type C-1585, 7x8x2"; Type 1586, 7x10x2"; Type C-1587, 7x7x2"; Type C-1588, 7x9x2"; Type C-1892, 8x12x2 1/2"; Type C-1893, 10x17x3"; Type C-1894, 7x13x2"; Type C-1896, 7x17x3".

## SPECIFY BLACK WRINKLE OR LIGHT GRAY HAMMERTONE

Stock No.	Mfr's Type	Size HxWxD	Wt., Lbs.	EACH
42 C 7466 C	C-1584	6 1/2 x 7 1/2 x 7 1/2"	2 1/2	4.00
42 C 7467 C	C-1585	6 1/2 x 9 1/2 x 7 1/2"	3	4.40
42 C 7468 C	C-1586	6 1/2 x 11 1/2 x 7 1/2"	3 1/2	5.10
42 C 7469 C	C-1587	8 x 13 x 3 1/2"	5 1/2	7.00
42 C 7470 CX	C-1893	10 x 18 1/2 x 10 1/2"	12 3/4	9.20
42 C 7471 C	C-1589	8 x 8 1/2 x 7 1/2"	2 3/4	5.30
42 C 7472 C	C-1588	8 x 10 1/2 x 7 1/2"	3 1/4	5.90
42 C 7474 C	C-1894	8 x 14 1/2 x 7 1/2"	6 1/4	6.30
42 C 7475 CX	C-1896	9 x 18 1/2 x 8 1/2"	6 1/4	8.90



# Bud Metal Cabinets, Panels, Racks, Handles

## MINIATURE UTILITY CABINETS WITH ATTACHED CHASSIS

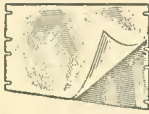
Sturdily-made, unusually compact, steel utility cabinets with a built-in chassis attached to the front panel. Especially suitable for standing-wave bridges, frequency meters, small transistorized receivers, code practice oscillators, decade boxes, crystal sets, and many other types of small, self-contained units. Removable front and rear panels fastened with self-tapping screws permit easy access to components. 22-ga. body; 20-ga. panel; 18-ga. chassis. Black-wrinkle enamel finish.



Stock No.	Mfr's Type	Cabinet HxWxD	Chassis HxWxD	Wt. Lbs.	EACH
42 C 7600	C-1793	4x4x2"	1x3 1/2 x 1 1/2"	3/4	1.60
42 C 7601	C-1794	4x5x3"	1x4 1/2 x 2 1/2"	1	1.90
42 C 7602	C-1795	5x4x3"	1 1/2 x 3 1/2 x 2 1/2"	1	2.00
42 C 7603	C-1796	6x4x4"	1 3/4 x 4 x 3 1/2"	1 1/2	2.10
42 C 7604	C-1797	5x6x4"	1 1/2 x 5 1/2 x 3 1/2"	1 3/4	2.40
42 C 7605	C-1798	6x6x6"	1 3/4 x 4 1/2 x 5 1/2"	2 1/4	2.90

## SHIELDED-SURFACE RACK PANELS

Naturally bright aluminum-alloy, covered on both sides with protective, pressure-sensitive white paper. Blemish-free mill finish. 1/8" thick, 19" wide. Standard notching.



Stock No.	Mfr's Type	Ht.	Wt. Lbs.	EACH
42 C 8662 X	SFA-1831	1 1/2"	1 1/2	1.20
42 C 8663 X	SFA-1832	3 1/2"	1	1.80
42 C 8664 X	SFA-1833	5 1/4"	1 1/4	2.40
42 C 8665 X	SFA-1834	7 1/4"	1 1/4	2.90
42 C 8666 X	SFA-1835	8 3/4"	2	3.50
42 C 8667 X	SFA-1836	10 1/2"	2 1/2	4.50
42 C 8668 X	SFA-1837	12 1/4"	3	5.10
42 C 8669 X	SFA-1838	14 1/4"	3 1/2	5.80
42 C 8670 X	SFA-1839	15 3/4"	4	6.60
42 C 8671 X	SFA-1840	17 1/2"	4 1/2	7.30
42 C 8672 X	SFA-1841	19 1/4"	5	8.00
42 C 8673 X	SFA-1842	21"	4 1/2	8.80

## STANDARD RACK PANELS

Heavy-duty rack panel constructed of 1/2" aluminum. All are 19" in width and have notched edges to fit spacing of standard telephone type relay racks. Specify black or gray wrinkle, smooth gray or gray hammertone.



Stock No.	Height	Wt. Lbs.	EACH
42 C 7408 CX	1 3/4"	1/2	1.40
42 C 7409 CX	3 1/2"	1	1.90
42 C 7410 CX	5 1/4"	1 1/4	2.40
42 C 7411 CX	7 1/4"	1 1/4	3.10
42 C 7417 CX	8 3/4"	2	3.60
42 C 7418 CX	10 1/2"	2 1/2	4.30
42 C 7419 CX	12 1/4"	3	5.30
42 C 7420 CX	14 1/4"	3 1/4	6.10
42 C 7421 CX	15 3/4"	4	6.80
42 C 7422 CX	17 1/2"	4 1/2	7.40
42 C 7423 CX	19 1/4"	5	8.10
42 C 7424 CX	21"	5	9.00

## DESK-TYPE RACKS

A strong, steel chassis ideal for mounting heavy components. Perfect for table mounting of low and medium power transmitters, P.A. systems, and other electronic equipment. Designed for use with standard 19" panels. No exposed edges. With hardware. Gray hammertone finish.



Stock No.	Mfr's Type	Panel Ht.	Overall Size	Wt. Lbs.	EACH
42 C 7309 U	RR-1248	21"	24x20 1/2 x 12 1/2"	14 1/2	11.60
42 C 7311 U	RR-1249	28"	31x20 1/2 x 12 1/2"	17 1/4	13.70

## UTILITY HANDLES

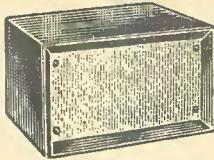
Strong handles with comfortable grip. Ideal for mounting on cabinets to afford portability. Made of tubular aluminum with etched finish. Shpg. wt., 2 oz. In pairs only.



Stock No.	Type	Lgth.	Mtg. Ctr.	PAIR
42 C 7893	UH-70A	5 3/4"	4 3/8"	.50
42 C 7894	UH-71A	3 1/2"	3 3/8"	.40

## SHADOW CABINETS

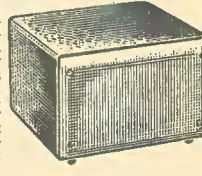
Versatile housing for amplifiers, test equipment, etc. Both front panels as well as the bottom may be removed for installation and servicing purposes. Front panel is recessed 1" to protect controls, meters, etc. Recessed panel and beveled front edges of cabinet provide attractive appearance. Body constructed of 18-gauge steel, panels of 16-gauge steel. Rubber feet attached to bottom of cabinet prevent marring of the surface on which it may be placed. Finished in attractive, light gray hammertone.



Stock No.	Type	Size HxWxD	Use Bud Chassis	Wt. Lbs.	EACH
42 C 7253	21-40	8x14 1/2 x 10"	AC-424	11 1/4	8.10
42 C 7254	21-41	7 1/2 x 13 1/2 x 9"	AC-407	9 1/2	6.40
42 C 7255	21-42	9 1/2 x 17 x 11"	CE-566	16	19.00
42 C 7256	21-43	6x15 1/2 x 9"	AC-409	9 1/2	6.20

## UTILITY CABINETS

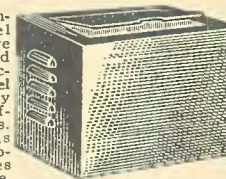
Attractive housing with rounded corners. All constructed of 20-gauge steel. Front and rear panels removable; rear panel louvered for ventilation. 4 rubber feet. Body finished in dark gray enamel, panels in light gray enamel.



Stock No.	Mfr's Type	Size HxWxD	Wt. Lbs.	EACH
42 C 8692	CU-463	4 7/8 x 6 7/8 x 3 3/4"	1 1/4	5.60
42 C 8693	CU-465	4 7/8 x 6 7/8 x 5 1/2"	2 1/4	6.40
42 C 8694	CU-585	5 7/8 x 8 7/8 x 5 1/2"	3	8.30
42 C 8695	CU-587	5 7/8 x 8 7/8 x 7 1/4"	3 3/4	9.10
42 C 8696	CU-7125	7 7/8 x 12 7/8 x 5 3/4"	4	8.30
42 C 8697	CU-7127	7 7/8 x 12 7/8 x 7 1/4"	5	8.80

## INSTRUMENT AND RECEIVER CABINETS

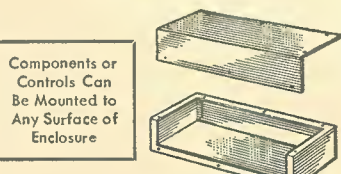
Ruggedly constructed steel cabinets. Have recessed hinged cover for easy access. Front panel is held securely in place with self-tapping screws. Panel extends full width of cabinet—provides maximum space.



Louvers for ventilation. 20-ga. body; 18-ga. panel, except \*16-ga. Black wrinkle finish.

Stock No.	Type	HxWxD	Lbs.	EA.
42 C 7652	C-973	7x8x8"	8	5.20
42 C 7653	C-993	7x10x8"	8	5.90
42 C 7200	C-994	7x12x8"	6	6.20
42 C 7201	C-995	7 1/2 x 14 x 8"	7 1/4	6.50
42 C 7202 X	*C-1190	8x16x8"	9 1/4	9.30
42 C 7203 X	*C-975	9x15x11"	13	11.20
42 C 7205 X	*C-999	12x18x12"	17 1/2	12.20

## "CONVERTA" BOXES



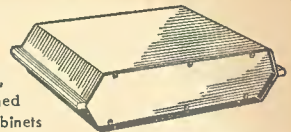
Components or Controls Can Be Mounted to Any Surface of Enclosure

Versatile enclosures to hold a variety of equipment. Constructed of welded base and two-sided cover designed to afford maximum protection. Components and controls mount on any surface. Cover and base fasten with self-tapping screws. Easy access to equipment. 20-gauge steel, cadmium plated. With hardware.

Stock No.	Mfr's Type	Size HxWxD	Wt. Lbs.	EA.
42 C 7704	CU-341	1 1/2 x 4 x 3"	1/2	2.30
42 C 7705	CU-452	2x5x4"	1	2.20
42 C 7706	CU-482	2x8x4"	1 1/4	2.40
42 C 7707	CU-592	2 1/2 x 9 1/2 x 5"	1 3/4	2.50
42 C 7708	CU-622	2 1/2 x 12 x 6"	2 1/4	2.80
42 C 7709	CU-712	2 1/2 x 15 1/2 x 7"	3 1/2	3.70

## STYLISH GRAND PRIX CABINETS

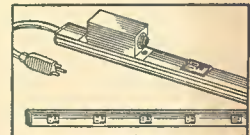
Versatile, Streamlined Steel Cabinets



Upper and lower 20-gauge steel segments held by brushed aluminum extensions (also serve as handles) with set screws. 2 panels furnished. 4 rubber feet in base. Specify light gray hammertone, or smooth dark gray finish.

Stock No.	Mfr's Type	Size HxWxD	Wt. Lbs.	EACH
42 C 8723 CX	MD-1	4 3/8 x 19 1/2 x 10 1/2"	7 1/4	15.20
42 C 8724 CX	MD-2	7 7/8 x 19 1/2 x 10 1/2"	7 3/4	13.90
42 C 8725 CX	MD-3	4 1/2 x 12 1/2 x 8 3/4"	7	12.30

## AC POWER OUTPUT STRIPS

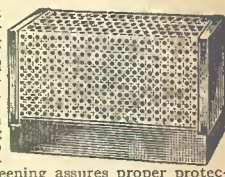


Convenient outlets mount easily in equipment cabinets and racks by snapping into clips. Supplied with 15-A, 125-V grounding receptacles, 15-A overload circuit breaker with reset button. 6-ft. cord, grounding plug. Heavy-duty light-gray enameled steel. U.L. Listed.

Stock No.	Mfr's Type	Lgth.	Outlets	Wt. Lbs.	EACH
42 C 7380 X	POS-4	17 1/2"	4	2	21.70
42 C 7381 X	POS-7	68"	7	4	22.70
42 C 7382 X	POS-9	68"	9	4 1/4	25.00
42 C 7383 X	POS-11	72"	11	5	27.30

## STANDARD AMPLIFIER FOUNDATIONS

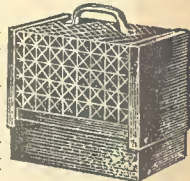
Ideal for most amplifier requirements. Foundations consist of regular steel chassis with metal covers. Solid pieces are used on ends of each cover for bracing and a snug fit to chassis. Heavy-gauge metal screening assures proper protection and ventilation of components. Metal handles provide portability. Types CA-699, CA-1125, and CA-1126 have 2 1/2" high chassis; Type CA-1128 has 3" high chassis. Cover, ends, and chassis are 20-ga. steel. Black wrinkle finish.



Stock No.	Type	HxWxD	Lbs.	EACH
42 C 7244	CA-699	8 5/8 x 9 5/8 x 5 1/2"	4	6.90
42 C 7245	CA-1125	8 5/8 x 13 3/8 x 5 1/2"	4 1/4	7.20
42 C 7246	CA-1126	8 5/8 x 17 1/2 x 7 1/2"	6 1/2	8.10
42 C 7242	CA-1128	8 1/2 x 12 1/2 x 10 1/2"	6 3/4	8.40

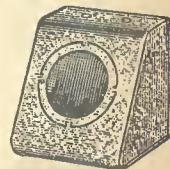
## MINIATURE AMPLIFIER FOUNDATION

Type CA-1754. Meets the requirements of builders employing miniaturized components. Chassis is only 2" high, 7" wide, and 5" deep. With cover fastened in place, entire unit stands only 6" high! Portable—easy to carry. Removable cover includes a carrying handle. Cover is heavily perforated. All-steel construction—20-ga. cover; 22-ga. chassis. Black wrinkle finish. 1 1/2 lbs. 4.90



## UNIVERSAL METER CASES

For use with 2" or 3" meters. With front panel for 2" meter. Knockout ring enlarges hole for a 3" meter. Have one-piece back and side attached with 4 screws. Top has two 3/8" knockouts for terminal posts or feed-throughs. Steel or aluminum; gray hammertone. 4 1/2 x 4 1/2".



Stock No.	Type	Material	Lbs.	EA.
42 C 8541	CM 1935	Steel	1	1.50
42 C 8542	CM 1936	Aluminum	3/4	1.50



# Silicones and Epoxy Compounds

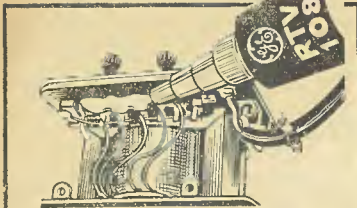
## G. E. SILICONES AND COMPOUNDS

### SILICONE RUBBER SEALANTS

- Withstand Temperature Extremes Without Cracking or Drying Out
- Adhere Without Priming When Applied at Room Temperature
- Contain No Solvents—Cure With Minimum of Shrinkage

Ready-to-use silicone rubber adhesive/sealants for many and varied applications. In squeeze tubes, they are easily applied and air cure to form a durable, flexible silicone rubber. Needs no catalyst. Applied at room temperature, adheres without priming. Excellent electrical properties. For use as insulation, bonding silicone rubber parts to metal surfaces, encapsulating. Withstand  $-75^{\circ}\text{F}$  to  $+300^{\circ}\text{F}$ . Never harden, crack or dry out. Resist moisture, weathering and aging. Cure with a minimum of shrinkage.

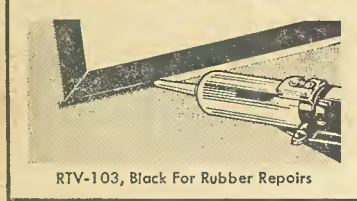
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RTV-108, Translucent For See-Through Uses



RTV-102, White For Affixing Name Plates



RTV-103, Black For Rubber Repairs


Type RTV-	Description	3-Oz. Tube Stock No.	EACH	12-Oz. Tube Stock No.	EACH
102	White. For shock mounting	60 C 7227	1.75	60 C 7228	5.55
103	Black. For rubber repair	60 C 7229	1.75	60 C 7230	5.55
108	Translucent	60 C 8594	1.75	60 C 8595	5.55
106	Red. For temp. to $+600^{\circ}\text{F}$	60 C 8916	2.10	60 C 8918	7.10
112	White. Brushing or spraying	60 C 7235	2.10	60 C 7236	7.10

### RTV-615 POTTING COMPOUND

(Not illus.) Clear silicone low-viscosity liquid cures at room temp., after addition of curing agent, to form a rubber-like, transparent solid. Cures within 15-30 min.

at  $150^{\circ}\text{C}$ . Will cure in absence of air. Withstand temp. from  $-65^{\circ}$  to  $+200^{\circ}\text{C}$ . Includes compound and curing agent. 1-pint can. 60 C 7243. Shpg. wt., 1 lb. .... Each 9.50

### FLUOROCARBON TEFLON® BONDING KIT



Contains all materials needed to bond "non-bondable" Teflon to itself and other substances. Kit contains a bottle of Teflon treating agent and two tubes of Thermo-Blend Epoxy Cement. Treating agent is applied to Teflon surface until it turns permanently brown, then surface is cleaned. Bonding agent is then applied, and parts are fitted together. Cures in about four hours at  $300^{\circ}\text{F}$ , plus 1 hour at  $340^{\circ}\text{F}$ . Kit includes complete instruction brochure. 2 lbs. 60 C 7037. Bonding Kit No. 1. .... Each 10.00

## SILICONE SURFACE-COATING COMPOUNDS BY DOW CORNING

### TYPE 3 COMPOUND

Greaselike, nonmelting silicone material with excellent electrical insulating properties, water repellency, and oxidation resistance. Retains consistency and electrical properties from  $-40^{\circ}\text{F}$  to over  $+400^{\circ}\text{F}$ . Easily applied with grease gun by wiping or by rubbing. Can be brushed or sprayed on if thinned first with xylene, mineral spirits, perchloroethylene or lacquer thinner. Shpg. wt., 2 oz. for 2-oz. tube; 8 oz. for 8 oz. 60 C 7022, 2-oz. Tube ..... Each 1.95 60 C 7023, 8-oz. Tube ..... Each 5.00

### TYPE 4 COMPOUND

Seal and lubricant for switches, cable and cable connectors, battery terminals and lamp bulb bases. Has excellent insulating properties. Use as moisture-proof dielectric seal for ignition systems, electrical systems and electronic equipment. Apply with grease or by brushing or wiping. Translucent and colorless with petroleum-type consistency. Shpg. wt., 2 oz. for 2-oz. tube; 8 oz. for 8-oz. tube. 60 C 7027, 2-oz. Tube ..... Each 1.95 60 C 7028, 8-oz. Tube ..... Each 5.00

### RUBBER ENCAPSULANTS AND CATALYSTS

Type 3110. White, low viscosity silicone rubber base. Deep curing. 1-lb. can. 60 C 6788. .... Each 5.60  
 Type 3112. White, medium viscosity silicone rubber base encapsulant. 1-lb. can. 60 C 6789. .... Each 5.60  
 Type 3120. Red, medium viscosity silicone rubber base. High temp. type. 1-lb. can. 60 C 7029. .... Each 5.60  
 60 C 6790. Type "F" Catalyst. Cures in 15 minutes to 4 hours. 1.6-oz. tube. .... Each .60  
 60 C 6791. Type "S" Catalyst. Cures encapsulant in 4 to 8 hours. 1.6-oz. tube. Ea. .60  
 60 C 6792. Type "H" Catalyst. Heat-accelerated cure; also room temp. 1.6-oz. tube. Ea. .60

### SILASTIC RTV 732 ADHESIVE

General-purpose silicone rubber adhesive and sealant, ready-to-use as supplied. Requires no catalyst or heat—reacts with moisture in the air and immediately begins curing to rubber. Vulcanizes in 24 hours at  $77^{\circ}\text{F}$  and 50% relative humidity. Moisture resistant and heat stable. Shpg. wt., 2 oz. 60 C 7033, 2-oz. Tube ..... Each 1.50



### TYPE 4X SPRAY

Handy mold release, rubber preservative and water repellent. Acts as lubricant and insulator. Ready-to-use as supplied. Sprays directly from its aerosol container. Ideally suited for a wide variety of factory maintenance and production problems. Applications include: waterproofing ignition systems; reducing battery terminal corrosion; preventing locks from sticking. Shpg. wt., 1 1/2 lbs. 60 C 7024, 16-oz. Con. .... Each 19.95

### SYLGARD 184 RESIN

Sylgard 184 Resin. Low viscosity, solventless and transparent for temperature sensitive devices. Pot life is 2.5 hours after curing agent added. Cures without exotherm in 24 hours at room temperature—or, in 4 hours at  $149^{\circ}\text{F}$ . Specifications: hardness, Shore A Scale 30; minimum dielectric strength (ASTM D 149), 500 volts/mil; heat stability up to  $392^{\circ}\text{F}$ . 100 parts resin to 10 parts curing agent by weight. Shpg. wt., 18 oz. 60 C 8750, 1-lb. Kit ..... Each 8.00

## PLASTIC ASSOCIATES READY-TO-USE EPOXY CEMENTS

### PA-1101 THERMA-BLEND EPOXY PASTE



Thoroughly factory-mixed and ready-to-use epoxy cement in paste form. Saves much valuable production time on assembly lines when used for cementing, sealing, insulating and protecting. Works on practically any type of porous and non-porous material. Needs no mixing—only catalyst necessary is the application of  $400^{\circ}\text{F}$  heat from an ordinary heat lamp, oven or an open flame. Curing time is 6 minutes at  $400^{\circ}\text{F}$ ; at  $360^{\circ}\text{F}$ , curing time increases to 40 minutes. Once Thermo-Blend epoxy cement paste is cured, it forms a perfect and permanent bond. Maintains great sheer strength, even at high temperature extremes. Meets MIL-A-8623 specifications. Supplied in convenient 1/2-oz. squeeze tube. Shpg. wt., 2 oz. 60 C 7680, 1/2-oz. Tube ..... Each 2.00

### PA-1000 AND PA-1001 ROOM-TEMPERATURE AIR-CURE EPOXY KITS



Pre-measured two-component mixer-package to prepare air-curing, short pot-life epoxy cement without waste. Catalyst and resin are vacuum-sealed in polyethylene container. Includes stirring stick. Adheres to most porous or non-porous materials. Cures from  $-50^{\circ}\text{F}$  to  $+250^{\circ}\text{F}$ . Cured bond has tensile strength of 1900 psi. Shpg. wt. per pkg., 8 oz.

Stock No.	Mfr's Type	No. of Units	Oz. per Unit	EACH
60 C 7690	PA-1000	10	1/10	2.50
60 C 7691	PA-1001	10	1/5	4.00

# CHOOSE THE TV ANTENNA, ROTATOR SYSTEM THAT BEST MEETS YOUR RECEPTION NEEDS



## 2 Key Factors in Getting the Very Best Television Picture and FM Broadcast Reception Possible . . .

### 1. OUTDOOR ANTENNA

**Worn-Out Antennas Destroy Picture Quality**—"ghosts," "snow," and other interference can be caused by a weather-worn antenna system. Before blaming your TV, check your antenna.

**Today's Antennas Offer Better Color-TV Pictures**—color TV demands an antenna with flat frequency response. Color antennas in Allied's catalog have this flat response, plus high directivity to fight unwanted signals that spoil color reception.

**It's Easy to Install Your Own TV Antenna**—all antennas in this catalog are designed for easy installation. Use regular household tools. You can often use your old antenna mast. But check your present lead-in wire—worn lead-in spoils pictures.

### 2. PRECISION ROTATOR

**Color TV Comes Alive with a Good Antenna Rotator**—only a well-aimed antenna gets the lifelike color pictures you expect. If your picture varies in quality from station-to-station, or you live in a fringe area, a rotator may be a "must."

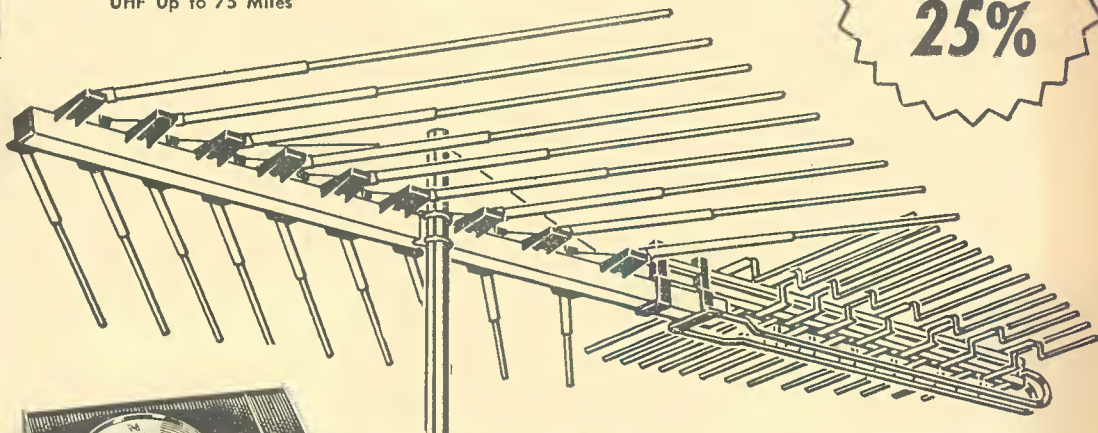
**Receive Stations from More than One City**—many communities receive signals from more than one locale. A rotator makes it easy to zero-in on all stations without leaving your easy-chair.

**Rotators Improve Stereo-FM Reception**—if you live in a difficult or fringe area, a rotator can tune out unwanted multipath (ghost) signals for superior channel separation, freedom from interference, and reduced distortion. Improves monaural FM, too.

## Save! Antenna and Rotator System

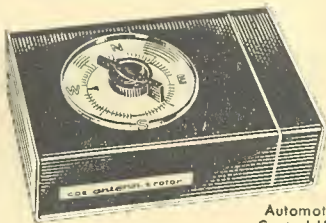
VHF-FM Up to 125 Miles  
UHF Up to 75 Miles

Save  
25%



### VHF-UHF-FM ANTENNA WITH AUTOMATIC ROTATOR SYSTEM

Save \$16.95 **\$49.95** \$5 monthly



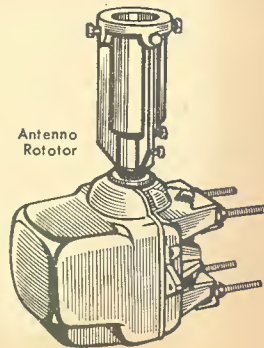
Automatic Control Unit

Separately \$66.90. Sensational Allied value! Deluxe antenna outfit for movie-clear TV pictures on channels 2 through 83, plus strong, static-free FM reception. Includes: Finco UVF-24 Color/Black-White Antenna, plus Gornell-Dubilier AR10B Automatic Rotator and Control Unit. Antenna has 24 triple-thick, sleeved, driven elements; tough 143 $\frac{3}{8}$ " square boom; continuous one-piece drive line and exclusive air-insulated crossover spacer. Lock-tite, no-tilt saddle bracket; double contact to drive line; revolutionary step-staggering UHF section; rust-fighting weatherproof "Gold Corodized" finish. Antenna

- FINCO UHF-VHF-FM Color Antenna
- CDE Automatic Antenna Rotator

requires only one down-lead. UHF-VHF splitter is included.

Automatic rotator assures best possible reception from each station, especially in fringe areas. Just set pointer on control unit's compass dial to desired direction, and antenna turns to that direction automatically. Turning radius, up to 6 $\frac{1}{2}$  feet. Rotator adapter gives added support to mast. Thrust bearing permits mounting of antenna 5 feet above rotator for easier movement. Mounts on chimney, wall, eave, or roof. Rust-resistant. Less mast. Shpg. wt., 27 lbs.  
11 C 0083L2 ZW, \$5 Monthly . . . . \$49.95



Antenna Rotator



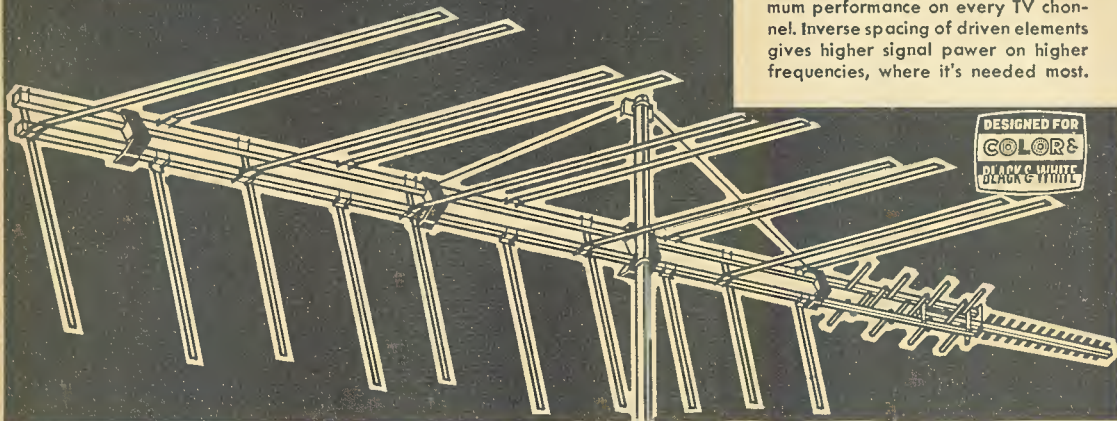
# ALLIED

VHF Up to 190 Miles  
UHF Up to 90 Miles  
FM Up to 100 Miles

## New ALLIED Antennas

"FREQUENCY DEPENDENT" DESIGN

New design concept gives you maximum performance on every TV channel. Inverse spacing of driven elements gives higher signal power on higher frequencies, where it's needed most.



## New ALLIED Super-Power "Colorset" VHF-UHF-FM Antennas "COLORSET 60" SUPER-POWER DEEP-FRIDGE ANTENNA

With VHF-UHF  
Splitter

# \$39<sup>95</sup>

- ✓ Our Strongest, Most Powerful 3-in-1 Antenna
- ✓ Frequency-Dependent Concept for High Gain
- ✓ Directive Design for More Signal Power
- ✓ Super-Power Antenna—60 Active Elements
- ✓ Multiple-Drive Elements Increase Sensitivity
- ✓ Heavy-Duty 184" Long Double-Boom

### Extra-Heavy-Duty Construction

- Triple-Thick, Rugged Sleeved Elements
- Wrap-Around Brackets Are 300% Stronger
- Double-Size Arrowhead Insulators
- Bridge-Type Boom Suspension
- Gold-Corodized to Fight Corrosion

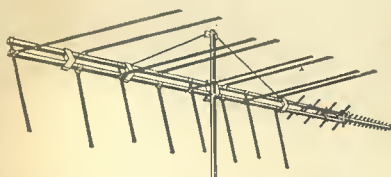
The new super-power "Colorset 60" boasts revolutionary "Frequency Dependent" design for sharper-than-ever UHF reception, as well as superior performance on VHF. This is our strongest and most powerful three-in-one antenna. It is the best value in an all-purpose VHF-UHF-FM antenna—compare it with any brand for price and performance. Sixty active elements permit movie-clear pictures in color or black-and-white, and pull in FM stations many miles away.

Twin-boom is preassembled for easy installation, and supports all 60 elements: 30 half-wave driven elements for channels 7-13, and 7 driven and 12 parasitic elements for channels 14-83; plus 10 elements for TV channels 2-6 and FM. High signal-pulling power (gain) and flat frequency response for clearest reception. Good directivity fights ghosts for distortion-free color.

The Colorset 60 boasts a special design that makes it our strongest antenna. And it's gold-corodized inside and out to fight corrosion and maintain its handsome appearance. Massive arrowhead insulators with wraparound brackets provide 300% greater strength than conventional construction. Triple-thick, sleeved elements. Bridge-type boom construction prevents sagging. Exclusive boom support and sidesway control complete a masterful mechanical design.

Includes VHF-UHF signal "splitter" so you need run only one lead-in to receiver—place splitter behind receiver, then run two leads from splitter to VHF and UHF antenna terminals on receiver. Special filter network isolates signals. 300 ohms. Foam-type lead-in recommended. Less mast. Truck or express.

11 C 2005 ZW. Shpg. wt., 14 $\frac{3}{4}$  lbs. \$5 Monthly. . . . . 39.95



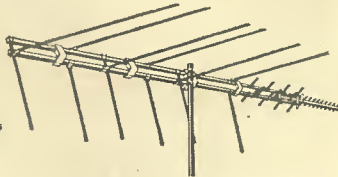
"COLORSET 50" FRIDGE ANTENNA

# \$34<sup>95</sup>

\$5 monthly

- VHF Up to 160 Miles
- UHF Up to 80 Miles
- Full 152" Boom Length

Similar to "Colorset 60" above but for mid-fringe areas. Engineered for bright, vivid, true-to-life color, plus sharp black-and-white TV and clear FM. Has 8 low-band and FM driven elements, 24 half-wave high-band driven elements, 7 driven and 11 parasitic UHF elements. Brings in sharp pictures on VHF channels 2-13 and UHF channels 14-83; clear FM or FM stereo reception. Gold-corodized to fight rust. 300 ohms. Foam-type lead-in recommended. Less mast. Includes VHF-UHF signal splitter. Truck or express. 12 $\frac{3}{4}$  lbs. 11 C 2006 ZW. \$5 Monthly. . . . . 34.95



"COLORSET 40" NEAR-FRIDGE

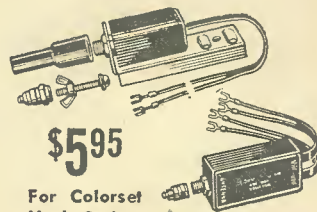
# \$31<sup>95</sup>

\$5 monthly

- VHF Up to 140 Miles
- UHF Up to 70 Miles
- 117" Boom Length

Similar to "Colorset 60" above, but for near-fringe areas. Frequency-Dependent design for sharp and true-to-life color, extra-sharp black-and-white on any channel. Has 6 low-band and FM driven elements, 18 half-wave high-band driven elements, 40 driven UHF elements. Gives sharp, clear pictures on all VHF and UHF channels, 14 to 83; plus clear FM and FM stereo reception. 300 ohms. Foam-type lead-in recommended. Less mast. Includes VHF-UHF signal splitter. Accepts 75-ohm conversion kit (right). Truck or express. 10 lbs. 11 C 2007 ZW. \$5 Monthly. . . . . 31.95

### 75-OHM CONVERSION KIT



# \$5<sup>95</sup>

For Colorset  
Mark Series

Convert Allied Colorset and Mark series 300-ohm antennas to use low-loss 75-ohm coaxial cable downlead for improved reception in problem areas, and improved color reception everywhere. Antenna booms are pre-punched for 75-ohm matching transformers. Behind-set transformer matches the 75-ohm coax downlead and splits the UHF and VHF into the 300-ohm terminals found on most TV sets. With hardware and connectors. Wt., 1 lb.

11 C 1337. . . . . 5.95

**ALLIED**

**3-in-1 VHF-UHF-FM**

**OUTSTANDING SIGNAL POWER**

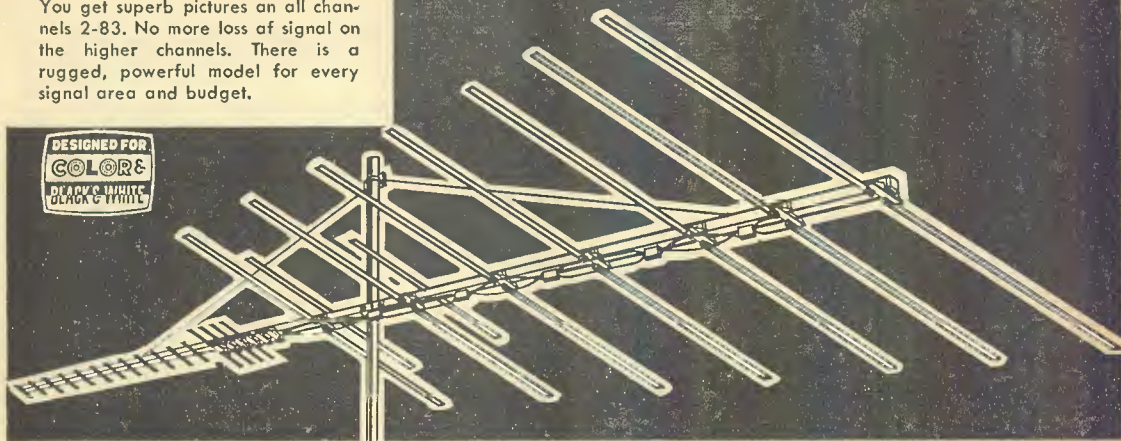
You get superb pictures on all channels 2-83. No more loss of signal on the higher channels. There is a rugged, powerful model for every signal area and budget.

VHF Up to 160 Miles

UHF Up to 85 Miles

FM Up to 90 Miles

DESIGNED FOR  
**COLORS**  
DEEPER BRIGHTER  
BLACK & WHITE



**New ALLIED "Mark" Powerful Color VHF-UHF-FM ANTENNAS  
"MARK 26" DEEP-FRINGE ANTENNA**

With VHF-UHF  
Splitter

**\$29<sup>95</sup>**

\$5 monthly

- ✓ One Antenna Serves All Needs—UHF-VHF-FM
- ✓ Frequency-Dependent Design for High Power
- ✓ Multiple-Drive Elements for Extra Sensitivity
- ✓ Brings You Sharp, Clear, True Color Reception
- ✓ Superb FM and FM Stereo Multiplex Reception
- ✓ 123½" Long, One-inch Square Boom

**Heavy-Duty Construction**

- One-Piece UHF and VHF Drive Lines
- Years of Trouble-Free Service
- Protective Gold Corrodized Finish
- Tough Bracket-Reinforced Elements
- Hi-Impact Crossover Spacers

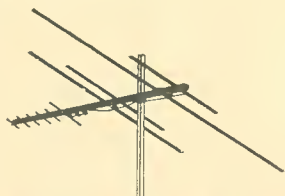
New powerful "Mark 26" has "Frequency Dependent" design for excellent performance on any channel. Gain on UHF channels 14-83 is greatly improved. Just one antenna serves all your needs—VHF channels 2-13, UHF channels 14-83, and FM or FM stereo multiplex. Has 26 active elements so that even in fringe or problem areas you get lots of signal power and flat response. Multiple-drive elements provide increased power (gain). Sharply directive design fights ghosts.

Antenna brings you true color—brighter, more natural, vivid true-to-life pictures free from the unnatural color that can lessen the enjoyment of your favorite program. Adds eye-pleasing warmth to your color viewing. Improves black-and-white reception with sharper pictures. Strengthens FM or FM stereo multiplex signals so you enjoy full realism, hear more stations than ever before.

Provides many years of trouble-free service. Easy to install, uses just one down-lead. Entire antenna is protected from corrosion by beautiful gold-corrodized finish. Has one-piece UHF and VHF drive lines; bracket reinforced elements for extra strength. Snap-lock brackets; hi-impact crossover spacers; channel type UHF elements of spring temper aluminum. Suspension support for 1" square 123½" long boom. Preassembled. Maximum width open is 9'.

Has 300-ohm impedance, but is adaptable to 75-ohm cable using Allied 75-ohm Conversion Kit on facing page. Less mast. For 300-ohms, use foam-type lead-in; for 75 ohms, coax. Includes VHF-UHF splitter to split signal from antenna to permit connecting independent leads to VHF and UHF antenna terminals. Shipped by truck or express. Shpg. wt., 9½ lbs.

11 C 2012 ZW. \$5 Monthly..... 29.95



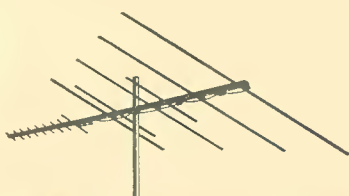
**"MARK 10" METROPOLITAN ANTENNA**

**\$9<sup>95</sup>**

- VHF Up to 35 Miles
- UHF Up to 20 Miles
- FM Up to 25 Miles

Square heavy-duty 40" boom. Spring temper aluminum drive lines, channel type UHF elements, bracket-reinforced VHF elements. 300 ohms; use foam lead-in. Preassembled. Less mast. With splitter. Truck or express. Shpg. wt., 3½ lbs.

11 C 2011 XW..... 9.95



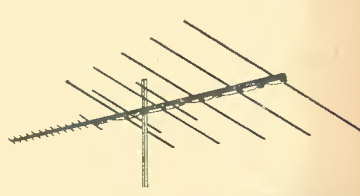
**"MARK 15" NEAR-FRINGE ANTENNA**

**\$14<sup>95</sup>**

- VHF Up to 70 Miles
- UHF Up to 50 Miles
- FM Up to 55 Miles

Gold-corrodized. 1"-sq. heavy-duty 69" boom. Spring temper aluminum drive lines, channel type UHF elements. Preassembled. 300 ohms. Foam-type lead-in recommended. Less mast. With splitter. Truck or express. Shpg. wt., 5¼ lbs.

11 C 2010 ZW..... 14.95



**"MARK 20" FRINGE ANTENNA**

**\$19<sup>95</sup>**

- VHF Up to 125 Miles
- UHF Up to 65 Miles
- FM Up to 75 Miles

High power, flat response. Gold-corrodized. Heavy-duty 1"-sq. boom, 93" long. Snap-lock brackets. Preassembled. 300 ohms. Foam-type lead-in recommended. VHF-UHF splitter. Less mast. Truck or express. Shpg. wt., 7 lbs.

11 C 2009 ZW. \$5 Monthly..... 19.95

**ALLIED VHF-UHF-FM SPLITTER-COUPLER**

For Colorset and Mark Series. "Splits" signal to permit running three independent leads to receiver—UHF, VHF, FM. Instructions, hardware.

11 C 1340. Shpg. wt., 5 oz..... 3.95

**\$3<sup>95</sup>**

Complete





# Big Savings on Allied Antenna Outfits

## PICK THE VHF-UHF-FM ANTENNA SYSTEM THAT FILLS YOUR NEEDS

Enjoy best possible TV and FM coverage with a deluxe antenna system. Nothing else to buy—you get everything needed for a complete installation. Available in three different combinations to suit your individual taste and requirements—Basic Antenna and Mast Outfit, Manual Control Rotator Outfit, Pushbutton Rotator Outfit. Save! Outfit prices are less than the total price of individual components purchased separately. Take advantage of these offers and enjoy movie-clear pictures with a complete antenna outfit.

### ANTENNA TOWER SYSTEM FEATURING PUSHBUTTON ROTATOR CONTROL



Low As  
**\$9900**  
\$5 monthly

- Perfect Antenna Adjustment
- Virtually Windproof
- Pushbutton Control Box

#### COLORSET 60 PUSHBUTTON ROTATOR OUTFIT

Separately, \$112.97. Cornell-Dubilier AR33 solid-state Auto-rotor "beams" antenna into position, with 1% accuracy, for finest reception of color and black-and white TV, and FM. Pushbutton 360° compass-dial operation, adjustable to any 5 stations. Heavy-duty construction; silent operation.

Takes up to 510 inch-pounds pressure without stalling; cannot be blown off station while control is energized. Operates from 117 VAC. Outfit also includes the Allied deluxe "Colorset 60" 82-channel VHF-UHF-FM antenna.

Mast (choose height suited to your terrain), all-angle mount; guy wire; 100-ft. tubular twin line; lightning arrester, ground rod, wire; wood stand-offs; turnbuckles; signal splitter. Shipped by truck or express.

- 11 C 0020 L4Z W. Outfit with 20' Mast. 69 lbs. 99.00
- 11 C 0021 L4Z W. Outfit with 20' Mast. 86 lbs. 109.00

#### "MARK 26" PUSHBUTTON ROTATOR OUTFIT

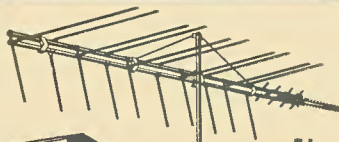


Low As  
**\$8995**  
\$5 monthly

Separately, \$102.97. Features Cornell-Dubilier AR33 solid-state Auto-rotor described above, plus Allied Mark 26 VHF-UHF-FM antenna. Offers 160 mile range with uniform gain on all VHF channels, plus UHF and FM. Complete with 20- or 40-ft. mast; all-angle mount; guy wire; 100-ft. low-loss twin line; lightning arrester; signal splitter and necessary hardware for a complete installation. Shipped truck or express.

- 11 C 0023 L4Z W. Outfit with 20-ft. Mast. 74 lbs. 89.95
- 11 C 0024 L4Z W. Outfit with 40-ft. Mast. 91 lbs. 97.50

### ANTENNA TOWER SYSTEM FEATURING MANUAL ROTATOR CONTROL



Low As  
**\$7995**  
\$5 monthly

#### "COLORSET 60" ANTENNA—MANUAL ROTATOR OUTFIT

Separately, \$87.00. Allied "Colorset 60" antenna for 82-channel color, black-and-white TV, FM coverage plus Alliance T-45 Manual rotator. With mast; mount; guywire; 100-ft. twin line; lightning arrester; ground rod; wire splitters; standoffs; turnbuckles. 117 VAC. Truck or express.

- 11 C 0011 L4Z W. Outfit with 20-ft. Mast. 69 lbs. 79.95
- 11 C 0012 L4Z W. Outfit with 40-ft. Mast. 86 lbs. 89.95



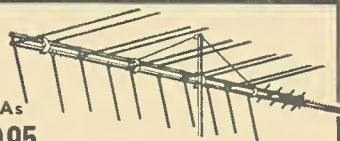
Low As  
**\$6995**  
\$5 monthly

#### "MARK 26" ANTENNA—MANUAL ROTATOR OUTFIT

Separately, \$77.00. Above, except Allied "Mark 26" VHF-UHF-FM antenna. Truck/exp.

- 11 C 0013 L4Z W. 20-ft. Mast Outfit. 68 lbs. 69.95
- 11 C 0014 L4Z W. 40-ft. Mast Outfit. 85 lbs. 79.95

### VHF-UHF-FM ANTENNA AND MAST SYSTEMS



Low As  
**\$4995**  
\$5 monthly

#### "COLORSET 60" ANTENNA/MAST OUTFIT

- For Color or Black-and-White TV plus Stereo FM
- Includes Everything for a Quality Antenna Installation

Separately, \$56.28. Features Allied "Colorset 60" antenna for 82-channel coverage of color, black-and-white TV, plus stereo FM. Includes: 20-or-40-ft. mast; mount; guy wire; 100-ft. twin line; lightning arrester; ground rod; wire; standoffs; turnbuckles; splitter. Truck or express.

- 11 C 0016 L3Z W. Outfit with 20-ft. Mast. 37 lbs. 49.95
- 11 C 0017 L3Z W. Outfit with 40-ft. Mast. 62 lbs. 59.95

#### "MARK 26" ANTENNA—MAST OUTFIT

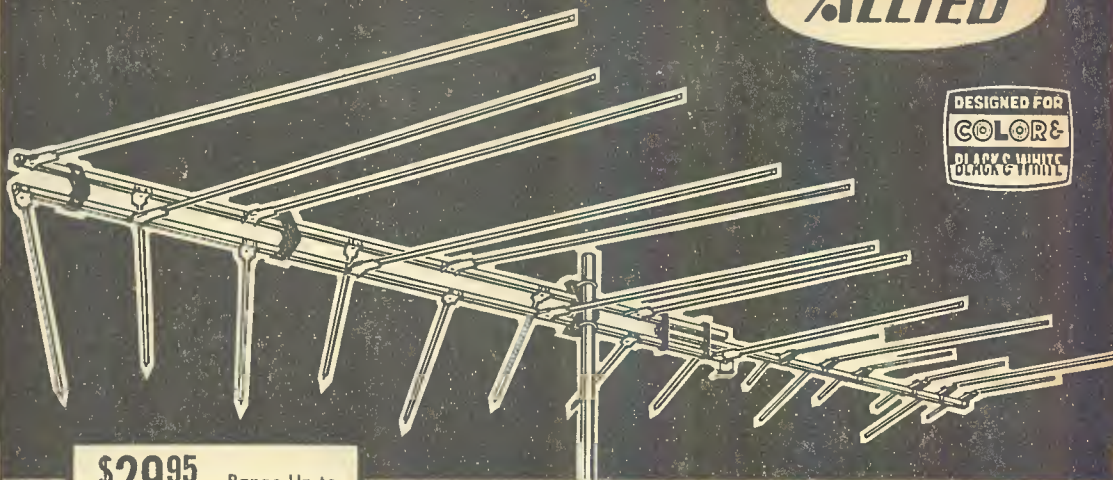


Low As  
**\$3995**  
\$5 monthly

Separately, \$46.28. Above except "Mark 26" VHF-UHF-FM antenna. Truck or express.

- 11 C 0018 L3Z W. 20-ft. Mast Outfit. 34 lbs. 39.95
- 11 C 0019 L3Z W. 40-ft. Mast Outfit. 59 lbs. 49.95

# Allied VHF Antennas, Outfits



**\$29.95**

Range Up to  
200 Miles

\$5 monthly

## NEW SUPER 5-STAR DEEP-FRIDGE VHF ANTENNA

- Advanced Theory of Increasing Gain vs. Frequency
- Twin-Boom Construction of Rugged Aluminum Alloy
- Oval Bond Vee Elements for Optimum Performance
- High-Impact Box-Girder-Design Insulators
- Double U-bolt Assembly for Clamping Strength
- Flanged Quadri-Lock Double Snap-Action Brackets
- Weather-Protected by Gold Corodized Finish
- 11 3/4" Boom with Sogproof Suspension Rods

Super-powered antenna for superior color and black-and-white pictures, even in deep-fringe areas. Twin 11 3/4-ft. boom construction of rugged, square high-strength aluminum alloy. Dual band vee-type elements operate as ten half-wave elements on low band (channels 2-6), and 28 half-wave elements on high band (channels 7-13). High-impact, box girder design insulators. Double U-bolt assembly for greater clamping strength and perfect alignment. Flanged quadri-lock double snap action element brackets for extra strength and positive alignment. Entire antenna weather-protected by attractive gold-corodized finish. Advanced theory of increasing gain vs. frequency insures highest quality reception. Impedance, 300 ohms. Less mast. Shpg. wt., 15 lbs. Shipped by truck or express.

11 C 1014 ZW, \$5 Monthly.....29.95

## SAVE UP TO 13% ON COMPLETE TOWER AND ROTATOR OUTFITS

### BASIC OUTFIT—5-STAR ANTENNA AND TOWER



With 20' Mast **\$39.95** | With 40' Mast **\$49.95**

Save Up to \$8.34. 5-Star Antenna, "slip-up" mast, all-angle mount, guy wire, ground wire, 100' twin-line, lightning arrester, hdwe.

Stock No.	Mast	Lbs.	EACH
11 C 0075 L3ZW	20'	40	39.95
11 C 0076 L3ZW	40'	65	49.95

### 5-STAR ANTENNA AND MANUAL ROTATOR OUTFIT



With 20' Mast **\$69.95** | With 40' Mast **\$79.95**

Save Up to \$8.21. Basic Antenna Outfit, Alliance T-45 Rotator and Control Unit; 100' rotator cable, extra 5' mast.

Stock No.	Mast	Lbs.	EACH
11 C0077L4ZW	20'	71	69.95
11 C0078L4ZW	40'	88	79.95

### ANTENNA AND PUSHBUTTON ROTATOR OUTFIT



With 20' Mast **\$89.95** | With 40' Mast **\$99.95**

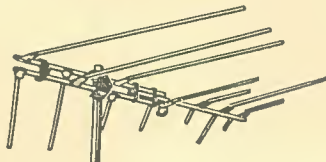
Save to \$14.18. Basic Outfit; CDR AR-33 Pushbutton Rotator, Control Unit, 100' cable, extra 5' mast.

Stock No.	Mast	Lbs.	EACH
11 C 0079 L4ZW	20'	73	89.95
11 C 0080 L4ZW	40'	90	99.95

### 3-STAR FRINGE AREA VHF ANTENNAS

**\$16.95**

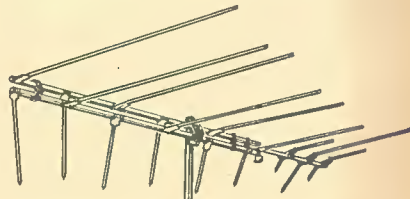
Range Up to  
100 Miles



High sensitivity and directivity for excellent performance in suburban and semi-fringe areas, depending on terrain and location. Seven "V" elements operate as 5 elements on Ch. 2-6, 14 elements on Ch. 7-13. Twin 65" boom. Gold-corodizing resists corrosion. 300 ohms. Less mast. Trk./exp. 11 C 1072 ZW, Shpg. wt., 7 lbs.....16.95

**\$24.95**

\$5 monthly  
Range Up to  
150 Miles



High gain for semi-fringe areas and difficult terrain and location. Twin 95" boom of square high-strength aluminum alloy. Nine "V" elements operate as 7 half-wave elements on Ch. 2-6 and 20 half-wave elements on Ch. 7-13. Gold-corodized finish fights corrosion. Quadri-lock double snap-action element brackets for high strength and positive alignment. Advanced theory of increasing gain vs. frequency. 300 ohms. Less mast. Shpg. wt., 8 1/4 lbs. Shipped truck or express. 11 C 1016 ZW, \$5 Monthly.....24.95

Get the Antenna You Want Now—Use Your Allied Credit Fund

ALLIED 395



DESIGNED FOR  
**COLORS**  
DIAPY C WHITE  
BLACK & WHITE

# JFD Log-Periodic VHF-FM and All-Band Antennas



A PRODUCT OF  
**SPACE-AGE  
RESEARCH**

Developed Through  
Research at the  
University of Illinois

Low  
As **\$14<sup>54</sup>**



Tops for color or black-and-white TV, plus stereo-FM. Designed to deliver camera-lens sharpness in virtually every location. Developed at the University of Illinois Research Laboratories and proved in Air Force satellite telemetry. LPV antennas feature harmonically resonant V-elements operating on the log-periodic cellular principle in the fundamental and 3rd harmonic modes. Receive all channels "best" —with maximum sharpness, clarity, freedom from snow and ghosts.

Gain: Up to 14 dB with extra power on high channels where it's needed.

Bandwidth: Frequency-independent log-periodic design delivers broadband performance without discriminating against any channel or frequency.

Response: Consistently flat ( $\pm 1/2$  dB) across both low and high bands for finest color reception.

Directivity: Sharpest of any all-band antenna. Fights noise, ghosts, interference, other unwanted signals.

### Planar Grid UHF Driver

New UHF design steps-up gain, flattens response, narrows beam width on UHF channels 14 to 33.



**Capacitor-  
Coupled  
Dipoles**

Great antenna innovation. Unique electronic antenna principle uses series coupling capacitors to vastly increase the number of working elements. Gives you maximum gain and directivity in an antenna for VHF channels 2-13 or VHF-UHF channels 2-83.

### Construction Features

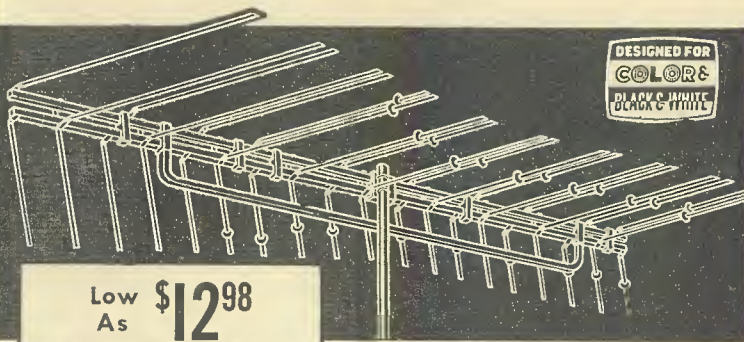
100% preassembled! "Flip-Quick" lets you snap elements into place in seconds. Gold Alodized finish fights corrosion, is electrically conductive. Life-time stainless-steel take-off terminals. Oversize "tank-turret" element bracket; nonbreakable heavy-wall Polypropylene "X" insulators; twin U-bolts with 6-inch mast grip span; Permanently riveted aluminum drive-line rod.

- Receive TV Channels 2-83 plus FM
- Sharp Directivity Fights Ghosts
- Gold-Alodized Finish Fights Corrosion

- Finest Color Reception on All Bonds
- Extra-Clear Black-and-White Pictures
- Complete with UHF-VHF-FM Splitter

Today's most popular log-periodic design offers extra color sensitivity and efficiency (see description at left). Sturdy, twin square aluminum crossarms, solid aluminum matching transformers, LPV-VU180, LPV-VU150, and LPV-VU120 have boom braces for crossarm support. All log-periodic antennas below have line splitters to run separate leads to VHF, UHF, FM terminals. All antennas are 300 ohms impedance. Foam-type lead-in recommended. Less mast. Items with Z in stock no. shipped by truck or express.

Stock No.	Model No.	Elements	Boom Lgth.	Max. Width	Max. Range Miles			Shpg. Wt., Lbs.	EACH
					VHF	UHF	FM		
11 C 1666 ZW	LPV-VU180	35	206"	92"	150	90	60	20	48.70
11 C 1667 ZW	LPV-VU150	30	175 3/4"	92 1/2"	125	80	50	15	41.75
11 C 1668 ZW	LPV-VU120	26	157"	92 1/2"	110	70	50	15	34.77
11 C 1669 UW	LPV-VU90	21	119"	92 1/2"	90	60	40	12	27.82
11 C 1670 UW	LPV-VU60	14	97"	91"	70	40	30	10	20.42
11 C 1671 UW	LPV-VU40	11	67 1/2"	88"	50	30	25	7 1/2	16.27
11 C 1672 XW	LPV-VU30	9	46 1/2"	91"	40	30	20	5 1/2	14.54



DESIGNED FOR  
**COLORS**  
DIAPY C WHITE  
BLACK & WHITE

Low  
As **\$12<sup>98</sup>**

## LOG-PERIODIC VHF-FM ANTENNAS FOR UP TO 200 MILES

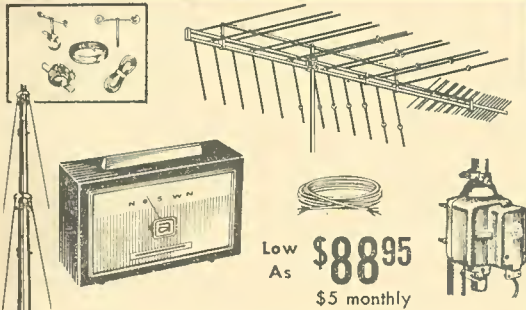
- Copocitor Coupled Dipoles Give Uniform Gain on All VHF Channels
- All Supplied 100% Preassembled
- Twin Square Aluminum Booms

Log-Periodic design for uniform response on all VHF-TV channels. For color or black-and-white TV, stereo or mono FM reception. LPV-TV190, LPV-TV160, LPV-TV130, LPV-TV100 antennas have boom braces. Others listed have same rugged construction, need no boom braces. 300 ohm. Antenna less mast. "Z" items shipped by truck or express.

Stock No.	Model No.	Elements	Boom Length	Max. width	Range in Miles	Wt., Lbs.	EACH
11 C 1680 ZW	LPV-TV190	19	205"	92"	Up to 200	25	52.67
11 C 1681 ZW	LPV-TV160	16	176"	92"	Up to 175	19	40.59
11 C 1682 ZW	LPV-TV130	13	143"	92"	Up to 150	15	33.81
11 C 1683 ZW	LPV-TV100	10	112 3/4"	92"	Up to 125	11	27.90
11 C 1684 UW	LPV-TV80	8	81"	91"	Up to 100	8	21.46
11 C 1685 UW	LPV-TV60	6	70 3/4"	91"	Up to 75	6	16.13
11 C 1686 XW	LPV-TV50	5	56"	86"	Up to 50	4	12.98

# Save Up to 13% on a Complete Antenna Outfit

## ANTENNA TOWER SYSTEM WITH MANUAL ROTATOR CONTROL



Low As **\$88<sup>95</sup>**  
\$5 monthly

### VHF-UHF-FM ANTENNA-ROTATOR OUTFIT

- Manual Control Rotator System with Touch-Bar Action
- All Accessories Included for Complete Installation

Separately, \$95.75. JFD LPV-VU180 Antenna for 82-channel color, black-and-white TV, FM coverage plus Alliance T-45 Manual Rotator. With mast; mount; guy wire; 100-ft. twin line; lightning arrester, ground rod, wire splitter; standoffs; turnbuckles. 117 VAC. Exp.

11 C 0408 L4ZW. Outfit with 20-Ft. Mast. 71 lbs.... 88.95  
11 C 0409 L4ZW. Outfit with 40-Ft. Mast. 88 lbs.... 98.95

### VHF-FM ANTENNA AND MANUAL ROTATOR OUTFIT

Separately, \$99.72. Above except LPV-TV190 VHF-FM antenna. 20-ft. mast outfit. Truck/exp. 76 lbs.

11 C 0406 L4ZW..... 91.95  
11 C 0407 L4ZW. 40-Ft. Mast Outfit. Truck/exp. 93 lb. 101.95

Low As **\$91<sup>95</sup>**

## VHF-UHF-FM ANTENNA AND MAST OUTFIT ALONE



Low As **\$59<sup>95</sup>**

### VHF-UHF-FM ANTENNA SYSTEM OUTFIT

- Perfect for Color or Black-and-White TV plus Stereo-FM

Separately, \$65.03. Features JFD LPV-VU180 antenna for 82-channel coverage of color, black-and-white TV, plus stereo-FM. Includes; 20- or 40-ft. mast; mount; guy wire; 100-ft. twin line; lightning arrester, ground rod, wire; standoffs; turnbuckles; splitter. Shipped by truck or express.

11 C 0412 L3ZW. Outfit with 20-Ft. Mast. 44 lbs.... 59.95  
11 C 0413 L3ZW. Outfit with 40-Ft. Mast. 69 lbs.... 69.95

### VHF-FM ANTENNA SYSTEM OUTFIT

Separately, \$69.00. Above except LPV-TV190 VHF-FM antenna. 20-ft. mast outfit. Truck/exp. 47 lbs.

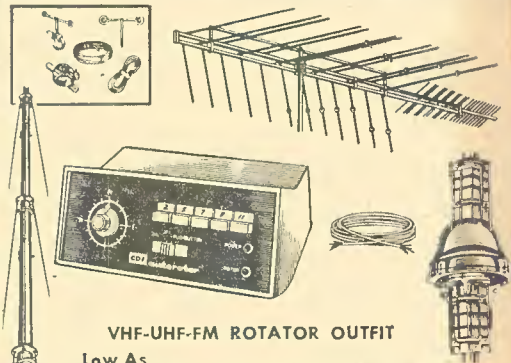
11 C 0410 L3ZW..... 62.95  
11 C 0411 L3ZW. 40-Ft. Mast Outfit. Truck/exp. 72 lb. 72.95

Low As **\$62<sup>95</sup>**

## PICK THE JFD ANTENNA SYSTEM THAT FILLS YOUR SPECIAL NEEDS

Enjoy best possible TV and FM coverage with a deluxe antenna system. There's nothing else to buy—you get everything you need for a complete installation. Available in three different combinations to suit your individual requirements—Basic Antenna and Mast Outfit, Manual-Control Rotator Outfit, Pushbutton Rotator Outfit. And you save money, too! Outfit prices are less than the total price of individual components purchased separately. Why not take advantage of this offer and enjoy improved reception with a complete antenna outfit?

## ANTENNA TOWER SYSTEM WITH PUSHBUTTON ROTATOR CONTROL



Low As **\$105<sup>00</sup>**

- Perfect Antenna Adjustment
- Virtually Wind Proof
- Pushbutton Control Box

Separately, \$121.72. Cornell-Dubilier AR33 solid-state Autorotora "beams" your antenna into position for perfect reception of color and black-and-white TV, or FM. Features pushbutton 360° compass-dial operation, adjustable to any 5 stations; heavy-duty construction; silent operation; and ±1% accuracy.

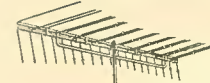
Takes up to 510 inch-pounds pressure without stalling; cannot be blown off station while control is energized. Operates from 117 VAC. Outfit also includes LPV-VU180 log-periodic 82 channel VHF-UHF-FM antenna.

With mast (choose height suited to your terrain); all-angle mount; guy wire; 100-ft. low-loss twin line; lightning arrester, ground rod, wire; wood standoffs; turnbuckles; signal splitter. Outfit shipped by truck or express.

11 C 0404 L4ZW. Outfit with 20' Mast. 69 lbs.... 105.00  
11 C 0405 L4ZW. Outfit with 40' Mast. 86 lbs.... 115.00

### VHF-FM PUSHBUTTON ROTATOR OUTFIT

Low As **\$112<sup>95</sup>** \$6 monthly



Separately, \$125.69. Features Cornell Dubilier AR33 solid-state Autorotator described above, plus JFD LPV-TV190 log-periodic VHF antenna. Offers 200 mile range with uniform gain on all VHF channels plus FM. Complete with 20- or 40-ft. mast (terrain determines mast height); all-angle mount; guy wire; 100-ft. of low-loss twin line; lightning arrester; signal splitter and necessary hardware for a complete installation. Outfit shipped by truck or express.

11 C 0402 L4ZW. Outfit with 20-Ft. Mast. 74 lbs.... 112.95  
11 C 0403 L4ZW. Outfit with 40-Ft. Mast. 91 lbs.... 122.95



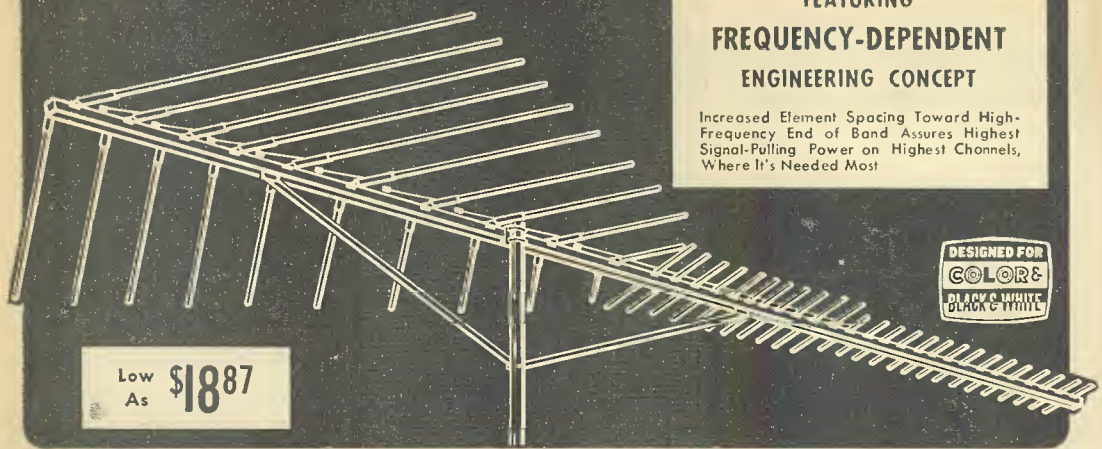
NEW  
at ALLIED

# Finco VHF and VHF-UHF TV Antennas

FEATURING  
**FREQUENCY-DEPENDENT  
ENGINEERING CONCEPT**

Increased Element Spacing Toward High-Frequency End of Band Assures Highest Signal-Pulling Power on Highest Channels, Where It's Needed Most

DESIGNED FOR  
**COLORE**  
BLACK & WHITE  
BLACK & WHITE



Low  
As **\$1887**

## VHF/UHF/FM FREQUENCY-DEPENDENT COLOR ANTENNAS—COAX OR 300-OHM

- Frequency-Dependent Design for Sharpest Color or Black-and-White Reception on Any UHF or VHF Channel

- Low-Loss 75-Ohm Coax or 300-Ohm Twin-Lead Models
- One-Piece Low-Loss Drive Line with Isolating Stub

Sweet-element Ve-Log antennas offer superb VHF and UHF reception of color and black-and-white. Drive system features increased spacing toward the high end of VHF and UHF bands for highest power and flat response on each channel. High front-to-back ratio, plus built-in isolating stub system to fight ghosts. Choice of six sizes, for either 300-ohm twin-lead or 75-ohm coax. All 75-ohm models assure superior color pictures with low signal loss and excellent shielding. Construction features include heavy-duty 1"

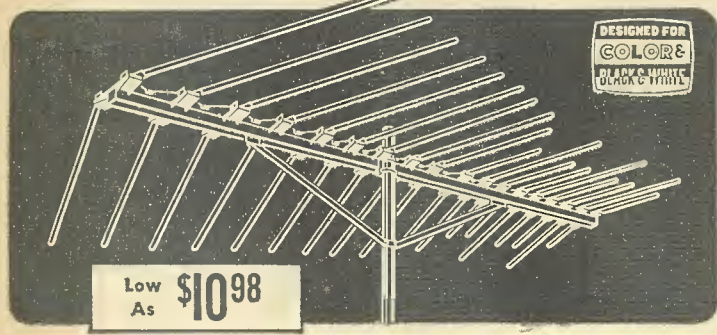
square boom in "lock-tite" no-tilt saddle and heavily-sleeved elements to combat high winds. One-piece aluminum rod drive line with pedestals for positive spacing. Antennas are gold-corroded to fight corrosion and give long-lasting beauty. Preassembled snap-out construction for easy installation. 300-ohm antennas include behind-set splitter—foam-type lead-in recommended. 75-ohm models include coax connectors and antenna transformer, plus behind-set transformer/splitter. Less mast. Shipped truck or express.

### 75-Ohm Coaxial Cable Color-Spectrum VHF/UHF/FM Antennas

Stock No.	Mfr's Type	Elements		For Use In Areas With	Boom Lgth.	Wt., Lbs.	EACH
		VHF	UHF				
11 C 1458 ZW	XCS-D3	10	26	Very weak VHF and UHF	204 1/8"	14	49.42
11 C 1459 ZW	XCS-C3	8	22	Weak VHF, very weak UHF	166 1/2"	10	43.12
11 C 1460 ZW	XCS-C2	8	12	Weak VHF and UHF	138 1/4"	9	38.08
11 C 1461 ZW	XCS-B3	6	22	Moderate VHF, very weak UHF	139 1/8"	7	36.82
11 C 1462 ZW	XCS-B2	6	12	Moderate VHF, weak UHF	111 1/8"	6 1/2	30.52
11 C 1463 ZW	XCS-B1	6	7	Moderate VHF, strong UHF	93"	6	24.22

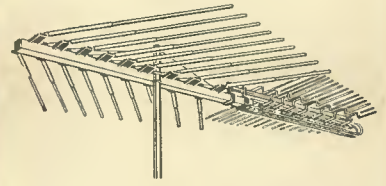
### 300-Ohm Ve-Log VHF/UHF/FM Antennas

Stock No.	Mfr's Type	Elements	EACH
11 C 1465 ZW	CS-C3	30	37.77
11 C 1466 ZW	CS-C2	20	32.73
11 C 1467 ZW	CS-B3	28	31.47
11 C 1468 ZW	CS-B2	18	25.17
11 C 1469 ZW	CS-B1	13	18.87



DESIGNED FOR  
**COLORE**  
BLACK & WHITE  
BLACK & WHITE

Low  
As **\$1098**



### UHF-TV VHF/UHF/FM ANTENNA

Ve-Log antenna has 15 UHF, 9 VHF elements for sharp color or black-and-white pictures in fringe areas. Rugged construction with step-staggered UHF section. Gold-corroded. 300 ohms. Less mast. Truck or express.  
11 C 1355 ZW, Wt., 11 lbs. .... 37.95

## FREQUENCY-DEPENDENT VHF-TV/FM COLOR ANTENNAS COAX OR 300-OHM

Ve-Log VHF antennas provide the same frequency-dependent high-gain and front-to-back ratio as antennas above, for super-sharp pictures in color or black-and-white on channels 2-13, plus outstanding FM and stereo-FM performance. Ten models give choice of range (up to 200 miles) and lead-in impedance—standard 300-ohm or 75-ohm shielded coaxial cable. 75-ohm antennas offer finest color reception, require no lead-in standoffs. Rugged construction,

with 1" square boom in "lock-tite" no-tilt saddle, triple-thick-sleeved elements. Continuous one-piece drive line has insulated crossover spacer—pedestals assure positive spacing. Gold-corroded boom and elements; preassembled for fast, easy installation. Foam-type lead-in recommended for 300-ohm antennas. 75-ohm models include coax connectors, antenna transformer and behind-set transformers. Less mast. \*Shipped truck or express.

### 75-Ohm Coaxial Cable Color-Spectrum Antennas

Stock No.	Mfr's Type	Elements	TV Range Up to	FM Range Up to	Boom Lgth.	Wt., Lbs.	EACH
11 C 1713 ZW	XCS-V15*	15	175 miles	75 miles	155"	14	35.38
11 C 1714 ZW	XCS-V10*	10	125 miles	50 miles	119"	10	28.32
11 C 1715 UW	XCS-V7	7	100 miles	50 miles	81"	7	20.95
11 C 1716 XW	XCS-V5	5	75 miles	50 miles	54"	5	16.35

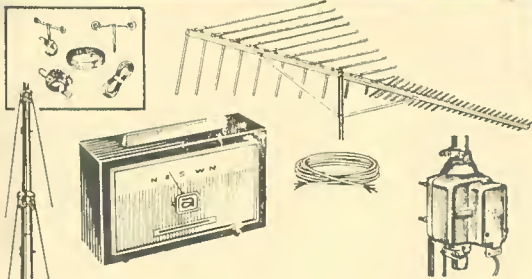
### 300-Ohm Ve-Log Antennas

Stock No.	Mfr's Type	Elements	EACH
11 C 1718 ZW	CS-V15*	15	30.65
11 C 1719 ZW	CS-V10*	10	22.65
11 C 1720 UW	CS-V7	7	15.72
11 C 1721 XW	CS-V5	5	10.98

†NOTE: 300-Ohm Antennas Have Same Range, Boom Length and Shpg Wt. as 75-Ohm Antennas with the Same Number of Elements

# Save Up to 15% on Finco TV Antenna Outfits

## VHF/UHF/FM, ANTENNA TOWER SYSTEM WITH MANUAL ROTATOR CONTROL



Low As **\$82<sup>85</sup>**

- All-Channel 36-Element Antenna
- Frequency Dependent Design
- Everything for Easy Installation

*Separately \$90.55.* Features Finco CS-D3 VHF/UHF/FM antenna and Alliance T-45 Manual Rotator System. With 20 or 40-ft. mast; all-angle mount; guy wire; 100-ft. tubular twin line; lightning arrestor; signal splitter; hardware. Rotator for 117 VAC. Shipped truck or express.

- || C 0084 L4ZW. Outfit with 20-ft. Mast, 71 lbs. . . . 82.85
- || C 0085 L4ZW. Outfit with 40-ft. Mast, 88 lbs. . . . 92.85

### VHF-FM SYSTEM WITH MANUAL ROTATOR

*Separately \$82.65.* Same outfit as above, except CS-V18 VHF antenna. Truck or express.

- || C 0086 L4ZW. 20-ft. Mast Outfit, Wt., 76 lbs. . . . . 74.95
- || C 0087 L4ZW. 40-ft. Mast Outfit, Wt., 43 lbs. . . . . 84.95

Low As **\$74<sup>95</sup>**

## VHF/UHF ANTENNA TOWER SYSTEM ALONE



Low As **\$52<sup>85</sup>**

- All-Channel 36-Element Frequency-Dependent Antenna
- Choice of 20-Ft. or 40-Ft. Mast for Easy Mounting
- Includes Everything You Need for Installation

*Separately \$59.83.* Features Finco CS-D3 antenna for 82-channel coverage of color or black-and-white TV, plus stereo-FM. Includes: 20- or 40-ft. mast, mount, guy wire, 100-ft. twin line, lightning arrestor, hardware, signal splitter. Shipped by truck or express.

- || C 0088 L3ZW. Outfit with 20-ft. Mast, 44 lbs. . . . 52.85
- || C 0089 L3ZW. Outfit with 40-ft. Mast, 69 lbs. . . . 62.85

### VHF ANTENNA TOWER SYSTEM

*Separately \$51.93.* Same as above, except CS-V18 VHF antenna. Shipped truck or express.

- || C 0090 L3ZW. 20-ft. Mast Outfit, Wt., 45 lbs. . . . . 44.95
- || C 0091 L3ZW. 40-ft. Mast Outfit, Wt., 70 lbs. . . . . 54.95

Low As **\$44<sup>95</sup>**

## PICK THE ANTENNA SYSTEM THAT FILLS YOUR SPECIAL NEEDS

Enjoy the best possible TV and FM reception with a deluxe Finco antenna system. There's nothing else to buy—you get everything you need for a complete installation. Available in three different combinations to suit your individual requirements—Basic Antenna and Mast Outfit, Manual Control Rotator Outfit, Automatic Rotator Outfit. And you save money, too, because outfit prices are less than the regular price of individual components purchased separately. Take advantage of this offer and enjoy improved reception with a complete antenna outfit.

## VHF/UHF ANTENNA TOWER SYSTEM WITH PUSHBUTTON ROTATOR



Low As **\$99<sup>00</sup>**

- Fully Automatic
- Pushbutton Control
- 82-Channel Antenna

*Separately \$116.52.* Cornell-Dubilier AR-33 solid-state Autorotor® "beams" your antenna into position for clearest possible picture from station, in color or black-and-white. Great for FM, too. Easy pushbutton operation, with 5 buttons adjustable to any five stations. Has 360° compass-dial; heavy-duty construction; silent operation; and ±1% direction accuracy. Takes up to 150 inch-pounds pressure without stalling; cannot be blown off station while control is energized. Contemporary-style control unit operates from 117 VAC.

Outfit also includes Finco CS-D3 82-channel antenna with high-gain frequency dependent design. With 20 or 40-ft. mast (choose height to suit your terrain), all-angle mount, guy wire, 100-ft. tubular twin line, lightning arrestor, hardware, behind-set signal splitter. Shipped by truck or express.

- || C 0092 L4ZW. Outfit with 20-ft. Mast, 69 lbs., . . . 99.00
- || C 0093 L4ZW. Outfit with 40-ft. Mast, 86 lbs., 109.00

### VHF AUTOMATIC ROTATOR SYSTEM



Low As

**\$94<sup>95</sup>**

Everything for Your VHF System

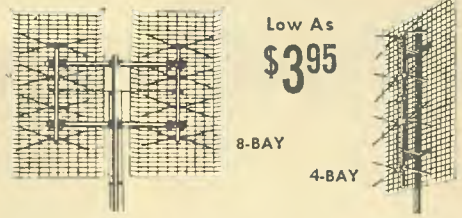
*Separately \$108.62.* Features Cornell-Dubilier AR-33 solid-state Autorotor described above, plus Finco CS-V18 frequency dependent VHF antenna. Offers 200-mile range with highest gain on all VHF channels plus FM. Complete with 20 or 40-ft. mast (local terrain determines height); all-angle mount; guy wire; 100-ft. low-loss twin line; lightning arrestor; signal splitter; all hardware for a complete installation. Shipped by truck or express.

- || C 0094 L4ZW Outfit with 20-ft. Mast, 74 lbs. . . . 94.95
- || C 0095 L4ZW. Outfit with 40-ft. Mast, 91 lbs. . . 104.95



# ALLIED UHF Television Antennas

## MULTI-BAY UHF BOW-TIE ANTENNAS



Low As  
**\$395**

8-BAY

4-BAY

### 8-BAY UHF BOW-TIE ANTENNA

"Fidelity-phased" colinear design with synchronized elements for sharp directivity and high gain on channels 14-83. Reception up to 75 miles. For color or black-and-white. Consists of two 4-bay units with solid-aluminum-rod harness. Double cross member. Rustproof aluminum hardware. Preassembled. Fits any size mast. 300 ohms. Foam-type lead-in recommended. Shipped truck or express. Less mast.

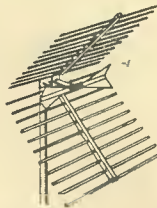
11 C 1709 UW, Shpg. wt., 12 lbs. .... 9.95

### 4-BAY UHF BOW-TIE ANTENNA

Provides excellent color and black-and-white reception of channels 14-83. Range to 55 miles. Rugged aluminum. 300 ohms. Foam-type lead-in recommended. Less mast.

11 C 1064 XW, Shpg. wt., 5 lbs. .... 3.95

### CORNER-REFLECTOR ANTENNA

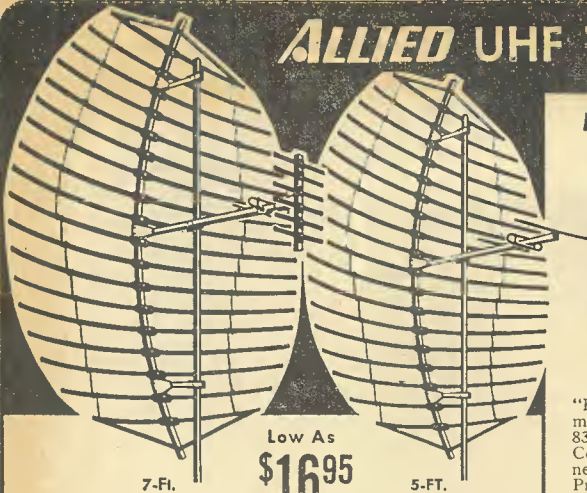


**\$395**  
less  
mast

- Range to 45 Miles
- Gold-Corodized
- High Directivity

Large screen for extra-sharp directivity and high gain. Fights ghosts, snow and other annoying interference. All-aluminum construction. 300 ohms. Less mast. Foam-type lead-in recommended. Shpg. wt., 5 lbs.

11 C 1070 XW, .... 3.95



Low As  
**\$1695**

7-FT.

5-FT.

### SEVEN-FT.-DIAMETER PARABOLIC UHF ANTENNA

Boasts the same type of configuration used for satellite tracking. Radar-type design makes this one of the most effective UHF antennas you can buy. Parabolic screen offers extremely sharp directivity for good reception of UHF channels 14 through 83 up to 130 miles away. Screen is curved to focus signals on special collector elements, offering maximum signal strength with excellent rejection of ghosts and other unwanted signals. All-aluminum with gold-corodized finish that fights corrosion. "Umbrella" type snap-out design for fast installation. Gain ranges from 17 dB on channel 14 to 21 dB on channel 83. 300 ohms. Foam-type lead-in recommended. Less mast. Shipped truck or express.

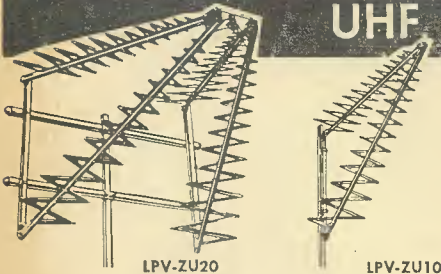
11 C 1706 UW, Shpg. wt., 13½ lbs. \$5 Monthly. ... 27.95

### FIVE-FT.-DIAMETER PARABOLIC UHF ANTENNA

Easy-to-assemble snap-out parabolic design, same as 7-ft. model above. All aluminum; corrosion-fighting gold-corodized finish. Effective range to 80 miles. Gain: 14 to 18.6 dB. 300 ohms. Foam-type lead-in recommended. Less mast.

11 C 1015 XW, Shpg. wt., 6½ lbs. .... 16.95

# UHF Television Antennas by JFD



LPV-ZU20

LPV-ZU10

### LOG-PERIODIC "ZIG-A-LOG" UHF ANTENNA

**\$1988**  
less  
mast

- Advanced Log-Periodic Design
- Provides Up to 17 dB Gain
- Very Sharp Directivity

MODEL LPV-ZU20. Two-bay "Zig-A-Log" is excellent for color or black-and-white UHF reception. Range of up to 125 miles. Features advanced log-periodic design. Two vertically-angled narrow-width conductors are scaled according to log-periodic formula. Frequency-independent horizontal and vertical beam patterns for good directivity and 16-17 decibel gain. High front-to-back ratio helps prevent ghosts. Gold-alodized to fight corrosion. Crossarm, 45°. 300 ohms. Foam-type lead-in recommended. Less mast. Shpg. wt., 6 lbs.

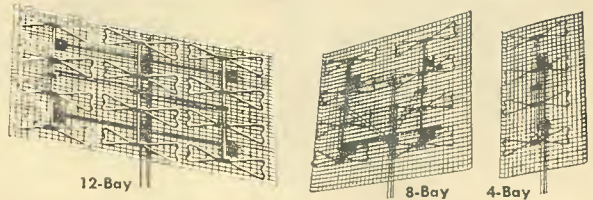
11 C 1179 W, \$5 Monthly. .... 19.88

### SINGLE BAY LOG-PERIODIC "ZIG-A-LOG" UHF ANTENNA

LPV-ZU10. Log-periodic single-bay antenna for high-contrast color or black-and-white UHF reception up to 75 miles. 13.5-14 dB gain. Gold-alodized aluminum. Pre-assembled. 300 ohms. Use foam lead. Less mast.

11 C 1180 XW, Shpg. wt., 4 lbs. .... 9.38

## MULTIPLE-BAY BOW-TIE UHF ANTENNAS



12-Bay

8-Bay

4-Bay

Up to  
125  
Miles **\$2214**

Up to  
100  
Miles **\$1314**

Up to  
50  
Miles **\$492**

### 12-BAY BOW-TIE ANTENNA FOR DEEP-FRINGE AREAS

UHF 212. Super-sensitive "cardioid" dipole design for extremely high gain, averaging 15 dB, over all channels 14-83. For color or black-and-white, up to 125 miles, with sharp directivity. Wire grid gives high signal-to-noise ratios. Preassembled. 300 ohms. Foam-type lead-in recommended. Less mast. Shipped truck or express.

11 C 2551 ZW, Shpg. wt., 15 lbs. \$5 Monthly. .... 22.14

### 8-BAY BOW-TIE ANTENNA FOR FRINGE AREAS

UHF 208. Outstanding UHF reception up to 100 miles. Galvanized steel reflector, solid aluminum bows, 12 dB gain. Preassembled. 300 ohms. Use foam type lead in. Less mast. Truck or express.

11 C 2550 ZW, Shpg. wt., 8 lbs. .... 13.14

### 4-BAY BOW-TIE FOR LOCAL UHF

UHF 202. Large reflector for 8 dB gain, range to 50 miles. Individual channels peaked. 300 ohms. Less mast.

11 C 2151 XW, Shpg. wt., 6 lbs. .... 4.92

# Blonder-Tongue UHF Converters and Antennas

IT'S EASY AND INEXPENSIVE TO ADD UHF WITH BLONDER-TONGUE CONVERTERS

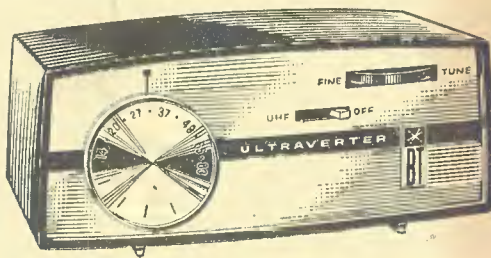
New TV stations going on the air will be on UHF channels 14-83. You can easily equip your VHF set to tune them . . .

just install a UHF antenna (often on your present mast), and plug-in a UHF converter. For color and black-&-white.



BATTERY-POWERED  
SOLID-STATE  
UHF CONVERTER

**\$1320**



DELUXE UHF CONVERTER-BOOSTER

**\$2995**

- Improves Fringe-Area TV
- Two-Transistor Circuit
- Hos Fine-Tuning Dial

**BT-D-44.** Amazing low price. Adds 70-channel UHF tuning to VHF set, dials just like a radio. Gives sharp undistorted pictures within 20-mile range. Reliable tunnel-diode operates instantly, operates with no heat. Uses one "D" battery (below) that lasts months. Stripless terminals. Wire-loop antenna. 300 ohms. 3x6 $\frac{3}{8}$ x3 $\frac{3}{4}$ ".

11 C 1324. Shpg. wt., 3 lbs. . . . . 13.20  
18 C 5779. "D" Batteries. Shpg. wt., 14 oz. . . . . Pkg. of 2 for 33¢

**MODEL BTX-11A.** Solid-state converter lets you tune all 70 UHF channels, with booster-amplifier for good reception even in weak-signal areas. Two-transistor circuit has high signal-to-noise ratio for sharp, clear picture and static-free sound. Provides excellent color as well as black-and-white. Calibrated 2-speed vernier dial with 100:1 ratio for precision tuning. Balanced 300-ohm input and output. Stripless screw terminals, pilot light. Includes wire-loop UHF antenna, with connection for outside antenna. Installs in minutes using only a screwdriver. Size, 3x6 $\frac{3}{8}$ x3 $\frac{3}{4}$ ". U.L. Listed. For 110-120 volts, 60 Hz AC. Shpg. wt., 3 lbs.

11 C 1394. \$5 Monthly. . . . . 29.95

## GOLDEN DART UHF ANTENNA

Delivers uniform peak performance on UHF channels 14-83. Advanced periodic design principle. Element arrangement provides a narrow forward beam for sharpest directivity, to cut ghosts, snow. Eleven elements deliver uniform 10 dB gain. Welded steel; gold-in-oxide finish. 300 ohms. Foam-type lead-in recommended. Less mast, with two U-bolts. 2 lbs.

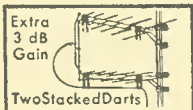
11 C 1494 XW. . . . . 3.49

## 2-DART STACKING HARNESS

Stack 2 Darts for extra 3 dB gain. 11 C 1497 XW. Wt., 1 lb. . . . . 93¢



**\$349**



Extra 3 dB Gain

Two Stacked Darts

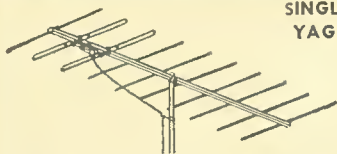
## LOW-COST UHF CONVERTER

**MODEL BTX-99B.** Economy converter with one-transistor circuit gives sharp picture from stations to 20 miles away. 300 ohms. Stripless terminals, wire-loop antenna. 3x6 $\frac{3}{8}$ x3 $\frac{3}{4}$ ". 110-120 V, 60 Hz AC. U.L. Listed. 3 lbs.

11 C 1395. \$5 Monthly. . . . . 19.85

# Finco Single-Channel Yagi and Trailer Antennas

## SINGLE-CHANNEL SENSITIVE "GEOMATIC" YAGI-TYPE VHF TELEVISION ANTENNAS



YOUR CHOICE OF CHANNELS

High-quality yagi antennas for color or black-and-white reception in fringe areas. Provide maximum gain, sharp directivity, flat response and high front-to-back ratio. Gold-corroded aluminum fights corrosion. Single-channel or broadband models for high or low channels.

### GOLD CORRODED SINGLE-CHANNEL Y10 SERIES

For reception up to 125 miles. Ten elements. Av. shpg. wt., 4 $\frac{1}{4}$  lbs.

Stock No.	Model	Channel	EACH	Stock No.	Model	Channel	EACH
11 C 2236 XW	Y10-2	2	15.30	11 C 1384 XW	Y10-8	8	5.44
11 C 2237 XW	Y10-3	3	14.94	11 C 1387 XW	Y10-9	9	5.44
11 C 2238 XW	Y10-4	4	14.09	11 C 1388 XW	Y10-10	10	5.44
11 C 2240 XW	Y10-5	5	13.44	11 C 1389 XW	Y10-11	11	5.44
11 C 2241 XW	Y10-6	6	12.99	11 C 1390 XW	Y10-12	12	5.44
11 C 1380 XW	Y10-7	7	5.44	11 C 1393 XW	Y10-13	13	5.44

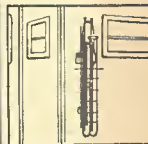
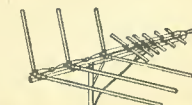
### GOLD CORRODED YAGI BROADBAND ANTENNAS

Miles	Stock No.	Model	Channels	Boom	Elements	Lbs.	EACH
To 125	11 C 2559 XW	Y10-713	7-13	83"	10	4 $\frac{1}{2}$	7.00
To 125	11 C 1710 XW	L-26	2-6	118"	6	3	16.21

### STACKING KITS

Stock No.	Type	Application	Lbs.	EACH
11 C 2086 XW	GA	For stacking 2 same-chan. High Band (7-13) or 2 Y10-713 antennas	1	1.50
11 C 2075 XW	GB	For stacking 2 same-chan. Low Band (2-6) antennas	1	1.56
11 C 1711 XW	GC	For stacking 2 L-26 antennas	6	2.10

## TRAILER ANTENNA



UP . . . a far-reaching broadband antenna

DOWN . . . locks out of the way

**\$3995**

- For 82-Channel VHF/UHF
- Rotates From In Trailer
- Folds Down for Travel

**MODEL TTR-1.** All-channel Color Spectrum antenna manually rotates 360° from inside trailer for superb color and black-and-white TV. Goes up in seconds, telescopes and folds down for travel. 9-element, gold-corroded. Easily mounted, with single lead-in and splitter. Shpg. wt., 8 lbs.

11 C 1073 XW. \$5 Monthly. . . . . 39.95  
MODEL TTW-1. Same, but without rotator feature. Wall mounting. 6 $\frac{1}{2}$  lbs.  
11 C 1074 XW. . . . . 18.95

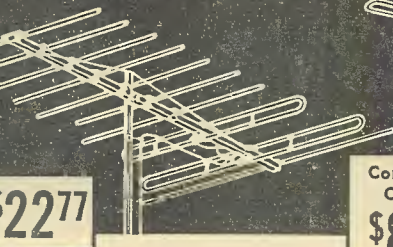
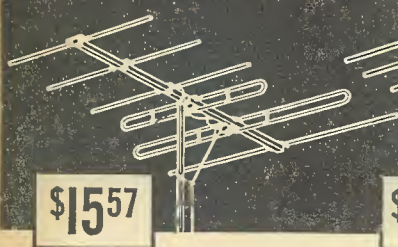
Allied Is Your One-Stop Source for Everything in Antennas

ALLIED 401



# Improve Your FM with an Outdoor Antenna

## FINCO HIGH-PERFORMANCE STEREO-FM ANTENNAS



### STEREO-FM DIRECTIONAL FM-4G

- Six Elements for Reception Up to 125 Miles
- Designed for Simple, Quick Installation

Receive FM stations from up to 125 miles away with this gold-corodized 6-element antenna. Twin-driven double-wall aluminum elements, with impedance control "T" match stubs, offer high gain across full 88-108 MHz band. "Geomatic" design for high front-to-back ratio—you get stronger signals, and sharper directivity.

Strong, square aluminum boom is 7-ft., 9-in. long. "Lock-Tite-No-Tilt" mounting and "box girder" snap-out brackets are ready for quick installation. Requires mast and 300-ohm lead. Shpg. wt., 6½ lbs.  
**11 C 2503 ZW, Truck or express. 15.57**

### STEREO-FM DIRECTIONAL FM-5

- Ten Elements for Reception Up to 175 Miles
- Weather Resistant Gold-Corodized Finish

Superb 10-element antenna for peak FM reception up to 175 miles from the station. "Geomatic" design—twin-driven elements and precisely-spaced directors for highest gain. Gold-corodized finish is weather resistant. Rigid 10-ft. long square boom has suspension-type bracing.

All elements are sleeve-reinforced; lock into open position in "snap-lock" brackets. Self-aligning brackets and double-wall aluminum elements are preassembled for easy installation. Requires mast and 300-ohm twin lead. 8½ lbs. Truck or express.  
**11 C 1329 ZW, \$5 Monthly. . . . . 22.77**

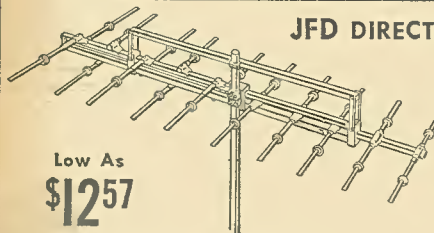
Complete Outfit  
**\$837**

### ALL-DIRECTIONAL FMT-A ANTENNA

Preassembled "turnstile" antenna does not require rotation or aiming to receive stations from all directions. Can be mounted on your present TV mast. Two elements accurately matched with special quarter-wave phasing stub for optimum gain and all-directional pick-up pattern. Provides strong reception over entire 88-108 MHz FM band.

Gold corodized for complete weather protection. Kit includes: FM Antenna, 50 feet of 300-ohm Lead-In, Mast, Stand-Off Insulator, 3 Screw-In Insulators, Bracket for mounting to your present TV mast. Shpg. wt., 3¼ lbs.  
**11 C 1330 W. . . . . 8.37**

## JFD DIRECTIONAL STEREO-FM LOG-PERIODIC ANTENNAS



Low As  
**\$1257**

- Clear Full-Strength FM Reception
- Wide-Band Response, Uniform High Gain
- Eliminates or Reduces "Ghost" Signals
- Weather-Resistant Gold-Anodized Finish

Helps pull in strong signals that are important for best stereo-FM channel separation and fade-free performance. Get clear, full-strength reception of more stations, thanks to wideband response and uniform high gain across the FM broadcast band. Up to 41% higher gain than yagis with comparable number of elements. Full-wave L-dipoles have higher front-to-back ratio for horizontal beam 10° to 25° narrower than yagis, for extra-sharp directivity. Eliminate or reduce "ghost" signals to bring you undistorted stereo reception. Have boom supports for rigidity even in 100-mph winds (not required on Model LPL-FM-4A). Gold anodized aluminum resists corrosion. Reinforced elements. 300 ohms impedance. Less lead-in. Shipped by truck or exp.

Stock No.	Model	Elements	Range Up To	Wt., Lbs.	EACH
11 C 1186 ZW	LPL-FM-10A	10	175 miles	10	31.47
11 C 1192 ZW	LPL-FM-8A	8	150 miles	8	25.52
11 C 1188 ZW	LPL-FM-6A	6	125 miles	6	18.87
11 C 1145 UW	LPL-FM-4A	4	75 miles	5	12.57

## FINCO ACCESSORIES FOR BETTER FM RECEPTION



"STEREO KING"  
 INDOOR  
 FM  
 ANTENNA

**\$695**

- Improves Stereo Separation
- Built-In Noise Filter

Model 1000. Indoor antenna pulls in more FM stations, improves signal quality on present stations. Ideal for stereo-FM. Four-section dipoles with induction coil and 12-position element selector for best possible reception. Includes noise filter for clear, pleasant FM listening. Walnut-finish base. Wt., 2½ lbs.  
**11 C 1385. . . . . 6.95**



### INDOOR FM SIGNAL AMPLIFIERS FOR DEEP & MEDIUM FRINGE AREAS

**\$1665**

- Behind-Set Mounting
- 20 dB Nominal Gain
- Passive Filter Input

MODEL 65-7. High-gain, low-noise transistorized amplifier has a passive filter input circuit that rejects interluring signals outside the FM band. Improves reception of weak FM signals in deep or medium fringe areas, even where strong local signals are present. Also eliminates common overload characteristics. Isolation transformer eliminates shock hazard. 300-ohm input with output for one or two FM receivers. 117 VAC. 1¾x4x4½". Wt., 1½ lbs.  
**11 C 1225. . . . . 16.65**

### FM INTERFERENCE FILTER



MODEL 3007. Blocks all signals except 88-108 MHz band. Eliminates or reduces TV, CB, Ham and other frequencies to improve FM signal reception. Easily mounted at antenna terminals or receiver. Complete with universal mount and standoff insulator. Size, 1½x4½x2". Shpg. wt., 5 oz.  
**11 C 1167. . . . . 4.38**

### TV-FM ANTENNA SPLITTER



MODEL 3005. For TV-FM reception from one broad-band antenna. Triple-tuned bandpass filter separates signals—sends FM to radio and TV signals to TV set. Loss of only 1 dB. Easy to install. Complete with universal mount and standoff insulator. Size, 4¼x1¾x1½". Shpg. wt., 4 oz.  
**11 C 1665. . . . . 4.10**

# Rembrandt TV/FM Antennas



**A** \$5<sup>95</sup>



**B** \$9<sup>95</sup>



**C** \$12<sup>95</sup>

**A** "CLASSIC" UHF/VHF ANTENNA

Concentric rings and two long adjustable telescoping arms to tune out interference for best reception. For both color and black-and-white TV. Attractive high-impact plastic base with walnut-color finish. With UHF and VHF leads. Shpg. wt., 2¾ lbs.  
**11 C 1574 XW**.....5.95

**B** "DELUXE" UHF/VHF ANTENNA

Where indoor antennas are a necessity, the Rembrandt "Deluxe" antenna brings you clearer and sharper pictures. For both color and black-and-white all-channel TV reception. Right-angle loops with two extra-long adjustable telescoping arms for pulling in TV channels 2-83. Has dual control 12-position switch for tuning out interference. High-impact plastic base with walnut-color finish. Shpg. wt., 3 lbs.  
**11 C 1371 XW**.....9.95

**C** "COLOR KING" UHF/VHF

- Special Color Phasing Loops
- Color Filter Control
- Twelve-Position Switch

Deluxe indoor TV antenna brings in clearer and sharper pictures on all VHF, UHF channels in your area. Designed for both color and black-and-white.

Combined action of special color phasing loops and color filter control help remove picture impurities for consistent true-to-life color reception.

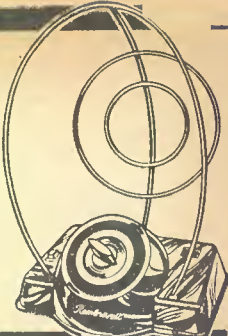
Twelve-position picture correction control has long-life silver-plated positive-action contacts. Helps clear up ghosts and snow even in the most difficult reception areas.

Separate low-loss UHF and VHF leads with matched impedance. Walnut finished base. Wt., 3½ lbs.  
**11 C 1722 XW**.....12.95

**NEW**

REMBRANDT TV COLOR COMPUTER

\$12<sup>95</sup>



**INSTANT PICTURE IMPROVEMENT!**

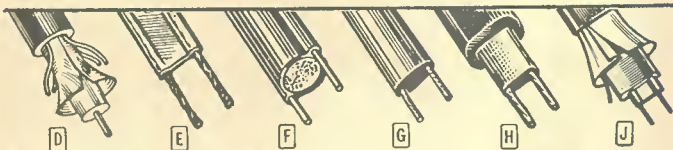
New Rembrandt TV color computer instantly improves the performance of any outdoor antenna. You receive clearer, brighter, sharper pictures at the flick of a dial.



Enjoy cleaner, brighter, sharper color and black-and-white pictures day after day. A flick of a dial effectively matches your roof antenna to your TV set under all atmospheric and weather conditions. Operates equally well on all VHF and UHF TV channels. Strengthens and regulates your picture's color, contrast, and brightness. Helps to eliminate ghosts and shadows, too. You install it yourself in minutes—just place the computer on top of your TV set, attach roof antenna lead to computer, and computer lead to TV set. Walnut finish. 4 lbs.  
**11 C 1750**.....12.95

## WIDE VARIETY OF TV AND FM TWIN LINE AND FOAM-TYPE TV CABLE

### BELDEN TWIN LINE AND COAXIAL CABLE



**TWIN LINE**

**D** TYPE 8228. New Duofoil® 75-ohm 82 channel coax cable for improved color. Four spiralling drain wires provide equal distribution of stresses. 100% shielded. Moisture resistant. .242" O.D.  
**11 C 1751**, 100-ft. Coil, 3½ lbs. ....6.17

**E** TYPE 8230. Weldohm design for increased strength and conductivity. 7x28 stranded, copper-coated steel wire. Almost twice as strong as plain copper. Perfect for long lead-ins. 70-mil web. 2 lbs. per 100'  
**11 C 1445** 50-ft. Coil.....1.34  
**11 C 1447**, 100-ft. Coil.....2.22  
**11 C 1533 XW**, 250-ft. Coil.....5.50  
**TYPE 8225**. (Not illus.) For TV and FM antennas. 7x28 stranded copper conductors. Flat polyethylene jacket, 58-mil web thickness. Outdoor use. Wt. per 100 ft., 1¾ lbs.  
**11 C 1441**, 50-ft. Coil.....1.20  
**11 C 1443**, 100-ft. Coil.....1.97  
**11 C 1531 XW**, 250-ft. Coil.....4.85

**F** TYPE 8275. UHF-VHF type. High-quality, low-loss lead-in for all TV and FM installations. Ideal for color TV. Cellular polyethylene core is filled with inert gas. Polyethylene jacket. 7x28 copper-coated steel conductors. 3½ lbs. per 100 ft.  
**11 C 1448**, 50-ft. Coil.....2.70  
**11 C 1450**, 100-ft. Coil.....4.65  
**11 C 1536 XW**, 250-ft. Coil.....11.05

**300-OHM LINE (Cont'd)**

**G** TYPE 8235. 300-ohm oval twin line. Low-loss type for both UHF and VHF use. Copper-coated. 7x26 steel wire conductors. 185-mil web thickness. Resists extreme weather conditions. Jacket of 100% polyethylene. Supplied in 100-ft. coils only. Shpg. wt. per 100 ft., 4½ lbs.  
**11 C 1451**, 100-ft. Coil.....5.35

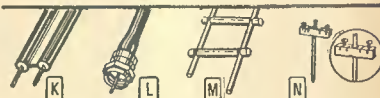
**H** TYPE 8285. Low-loss 300-ohm UHF-VHF. Recommended for color TV. Provides unchanging electrical and physical characteristics. Durable, for any application. 22-gauge (7x30) copper-weld conductors. Polyethylene insulation and webbing. Cellular polyethylene jacket. Outside diameter, ¼x1½". Shpg. wt., 3½ lbs. per 100 ft.  
**11 C 1452**, 50-ft. Coil.....2.85  
**11 C 1454**, 100-ft. Coil.....4.90  
**11 C 1539 XW**, 250-ft. Coil.....11.65

**J** TYPE 8290. Shielded ultra-low-loss lead-in is ideal for color. Mylar shielding cuts interference from ignition and other annoying electrical gear and appliances. May be run through conduit or run adjacent to metal. Extra-durable construction lasts for years. Shpg. wt., 3 lbs. per 100 ft.  
**11 C 1603**, 50-ft. Coil.....5.95  
**11 C 1605**, 100-ft. Coil.....10.15  
**11 C 1655 XW**, 500-ft. Coil.....47.90

**ALLIED**

**UHF-VHF MYLAR SHIELDED CABLE**

300-ohm twin line for color, black-and-white. Lowest line loss for sharp, clear pictures. Shielding eliminates possibility of picking up unwanted signals or other interference. No. 20 stranded copper wire. Wt., 7 lbs. per 100 feet.  
**11 C 1189**, 50-ft. Coil.....4.89  
**11 C 1200 W**, 100-ft. Coil.....8.95  
**11 C 1201 W**, 250-ft. Coil.....21.95



**K** UHF-VHF 300-OHM FOAM-TUBULAR TWIN LINE. Ideal for color and UHF. Moisture resistant black polyethylene tubing; copper stranded conductors. 2¼ lbs. per 100 ft.  
**11 C 1656**, 50-ft. Coil.....1.98  
**11 C 1657**, 100-ft. Coil.....3.79  
**11 C 1658 XW**, 250-ft. Coil.....9.49

**L** TYPE RG-59/U TV CABLE. 75-ohm, Mylar shielded. With connector on each end.  
**11 C 1659**, 50-ft. Coil.....4.49  
**11 C 1660 XW**, 100-ft. Coil.....8.95  
**11 C 1661 XW**, 250-ft. Coil.....15.95

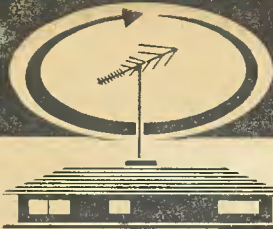
**M** UHF-VHF 300-OHM OPEN LINE. Loss, 0.5 dB per 100 ft. at 200 MHz. Wt., 100 ft., 2¼ lbs. 250 ft., 3½ lbs. Minimum, 100 ft. coil.  
**11 C 1473**, 100 ft. Coil.....3.29  
**11 C 1474 XW**, 250-ft. Coil.....7.89

**N** OPEN LINE STAND-OFF INSULATORS. Slotted for 300, 450, or 600-ohm lines. 5½" nail type. 5 oz. Pkg. of 5.  
**11 C 1141**.....Per Pkg. 79¢

Get the TV Accessories You Need Now—Use Your Allied Credit Fund

**ALLIED 403**





# Rotator Systems Give You Best Color, Black-and-White TV

Proper antenna direction is essential for better all-around reception—especially color TV. Precise directional control gives you the best signal from every station for the clearest picture, in all reception areas. Improves stereo FM, too.

**Color Comes Alive with on Antenna Rotator**

Color signals are complex. A properly installed and aimed color antenna is the only way to get the true-to-life, movie-clear color pictures you expect—free from distorted or unnatural color.

**Pin-Point Every TV Station for Sharper Color**

In many cases a reception area is surrounded by a variety of broadcasting stations. A rotator system pinpoints each station you want. Merely pushing a button, the flick of a switch or the touch of a bar will do it.

**Better Color from Fringe Area Stations**

If you live in a fringe area where reception is poor, you'll be amazed at the difference a rotator can make. It lets you aim your antenna at the signal, locks in distant stations to give you maximum signal strength.

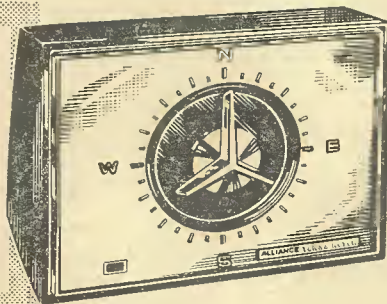
**Antenna/Rotator System for Natural Color**

If your color picture is not free from ghosts, distortion or smearing, if your TV set doesn't give the type of pictures you think it should, an Antenna Rotator System may be your answer. Control antenna from your living room.

## ALLIANCE SOLID-STATE AUTOMATIC ROTATOR SYSTEM

**\$35<sup>97</sup>**

\$5 monthly



C-225. Transistorized control unit assures positive, stepless, synchronous antenna control throughout the full 360° rotation. Just set the dial—automatically aims your antenna to direction indicated. Completely silent—no solenoids. Extremely sensitive—accurately zeros-in on desired stations each time. Provides the extra sensitivity needed for color TV pictures.

Features patented phase-sensing electronic bridge circuit for bright, clear pictures without interference; and thermostatically protected primary circuit. Magnetic brake and sensing circuit eliminate over-travel. Positive mechanical stop at end of rotation. Instantly reversible motor rotates at a speed of one rpm.

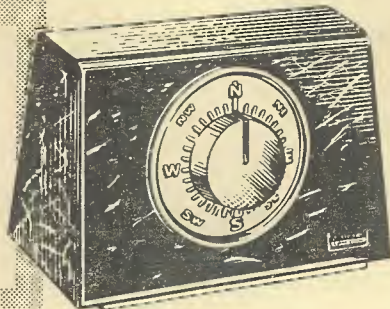
Moisture-sealed and factory-lubricated for life. All external hardware is either stainless steel or made of corrosion-resistant materials. Two-tone plastic control cabinet is 5x6½x4¼". 110-120 VAC. U.L. Listed. Order 5-conductor cable on following page.

11 C 1512 XW. Wt., 9½ lbs. \$5 Monthly. . . . 35.97

## ALLIANCE AUTOMATIC ANTENNA ROTATOR SYSTEM

**\$28<sup>78</sup>**

\$5 monthly



U-100. This economical, heavy-duty outfit provides positive, instant control of antenna rotation. Simply turn pointer on control unit's compass dial, and antenna automatically turns itself to the direction you have chosen, then stops. Permits positioning antenna for reception of strongest possible signal—reduces interference, gets brighter pictures, brings in distant stations.

Rotates through 360° in just 60 seconds, with instantly reversible motor operating at speed of one rpm. Magnetic brake and positive mechanical stop at end of rotation prevent over-travel.

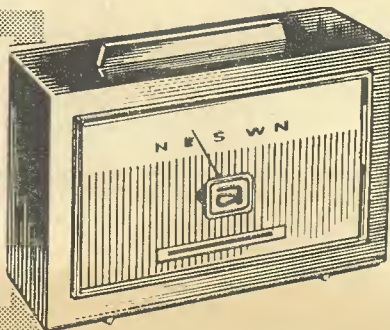
Factory-lubricated and moisture-sealed. External hardware is stainless steel or made of corrosion-resistant material. Handsome, modern control unit of mahogany plastic, 7x4½x4". Rotator unit, 8x7¼x4½". For 110-120 volts, 50-60 Hz AC. Requires 4-conductor rotator cable sold on following page. Shpg. wt., 10 lbs.

11 C 2442 XW. \$5 Monthly. . . . 28.78

## ALLIANCE MANUAL ROTATOR SYSTEM

**\$23<sup>98</sup>**

\$5 monthly



T-45. Our lowest-priced rotator. Just touch the control bar on control unit, and antenna rotates at one rpm until you release bar—pointer shows direction. Special feature lets you add extra control units if you have more than one TV set—control antenna from each set. Rotator is unaffected by motor current, cable length or line voltage. Rotates clockwise or counter-clockwise. Order five-conductor cable on following page. Control unit, 4½x6½x2½". 110-120 VAC. U.L. Listed.

11 C 1555 XW. Wt., 10 lbs. \$5 Monthly. . . . 23.98  
11 C 1690 XW. Extra Control Unit. Wt., 4 lbs. Ea. 13.95

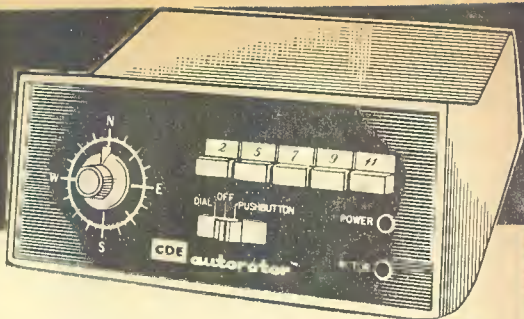
### ANTENNA THRUST-BEARING BRACKET

TBB2. Eliminates possibility of damage to rotator systems. Designed for use with heavier-type antennas. Minimizes strain on rotator by relieving it of antenna's weight. Protects gears against lateral strain. For masts to 1¾" dia.

11 C 1246 XW. Wt., 3 lbs. . . . . 2.91



# CDE Antenna Rotator Systems

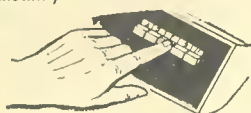


**NEW at  
ALLIED**

## AUTOMATIC PUSHBUTTON ROTATOR SYSTEM

**\$49<sup>95</sup>**  
\$5 monthly

- Pushbutton Control
- Solid-State Circuit
- Modern Control Unit
- Bell Housing Rotator



Most Advanced Antenna Rotator—  
Simply Push the Button for the Channel  
You Want—Powerful Rotator  
Swings Your Antenna Into Perfect  
Position for Superb Reception

AR-33. Fully automatic rotator system for perfect antenna control with the push of a button. Each of the five push-buttons can be set for a specific TV station. When you switch channels, just press the button for desired channel—antenna rotates automatically to the preset direction for finest possible picture. Compass dial for manual control.

All-solid-state circuit gives positive, stepless operation. Rugged silicon transistors for reliable performance, heavy-duty relay contacts, thermally-protected transformers. Completely silent—accurately positions antenna within  $\pm 1\%$  for precise directivity.

Heavy-duty Bell Housing Rotator has rugged in-line design and ball thrust bearings for maximum antenna support. Weather-protected, with high-torque motor and low-temperature operation. Cannot be blown off-station when control is energized. Contemporary-style control unit. For masts  $\frac{7}{8}$ " to  $2\frac{1}{16}$ ". Requires 5-cond. cable below. U.L. Listed. For 110-120 VAC.

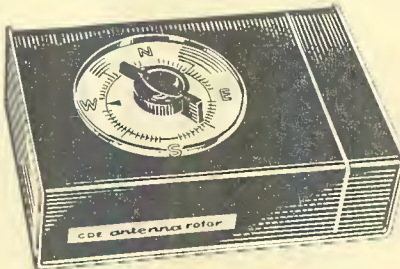
11 C 1745 XW. Shpg. wt., 15 lbs. \$5 Monthly..... **49.95**



## ROTATOR SYSTEM WITH AUTOMATIC CONTROL

**\$34<sup>95</sup>**  
\$5 monthly

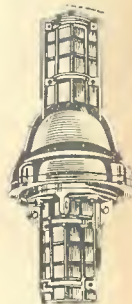
- Easy Dial Setting for Fast, Precise Antenna Rotation
- Bell-Housing Rotator
- Handles Up to 150 lbs.



AR-22R. Simple dial setting automatically positions antenna in  $6^\circ$  increments for precision tuning. Just set control for desired direction, then rotator takes over and turns antenna accurately to desired point. Rotates  $360^\circ$  in just 45 seconds, instantly reversible. Magnetic brake prevents over-travel. Reset switch in control base. Rotator mounts on mast, tower or platform. Permanently lubricated, with precision ball bearings and gears in die-cast, heavily reinforced "bell" housing. Strong, reversible clamps for masts  $\frac{7}{8}$ " to  $2\frac{1}{16}$ " O.D. With 3 guy lugs. Requires 4-cond. cable below. Vinyl-covered control cabinet,  $6\frac{1}{4} \times 4\frac{1}{4} \times 2\frac{3}{16}$ ". For 110-120 VAC. Shpg. wt., 15 lbs.

11 C 1396 XW. \$5 Monthly..... **34.95**

Just Set Control for Desired Direction,  
Rotator Takes Over and Positions  
Antenna Precisely at Desired Point



**NEW at  
ALLIED**

## BUDGET-PRICED AUTOMATIC ANTENNA ROTATOR

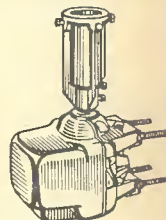
**\$28<sup>95</sup>**  
\$5 monthly

- Automatic Control for In-Line, Non-Stacked Antennas
- Vinyl-Covered Control Unit
- Direct-Mounting Steel Mast



AR-10B. Turn knob to direction desired, rotator turns antenna quickly and accurately. Built-in stub mast and die-cast adapter provides secure, direct mounting of large arrays. Mechanical brake and high-torque motor. Die-cast zinc housing, lifetime lubricated bronze bearings. Order 4-cond. cable below. Shpg. wt., 10 lbs.

11 C 1744 XW. \$5 Monthly..... **28.95**



## FOUR- AND FIVE-CONDUCTOR ROTATOR CABLE

**FOUR-CONDUCTOR CABLE.** For use with Cornell-Dubilier AR-22R and AR-10B rotators above; Alliance U-100 rotator on opposite page. Shpg. wt. per 100-ft., 3 lbs.

11 C 1237. 100-Ft. Coil..... **2.99**  
11 C 1241. 250-Ft. Coil..... **7.29**

**FIVE-CONDUCTOR CABLE.** For use with CDE AR-33 above, and Alliance C-225 and T-45 rotators on opposite page. 100 or 250 ft. coil. Shpg. wt. per 100-ft.,  $3\frac{1}{2}$  lbs.

11 C 1513. 100-Ft. Coil..... **3.89**  
11 C 1515. 250-Ft. Coil..... **9.95**



# Blonder-Tongue Antenna Amplifiers

## INDOOR DISTRIBUTION AMPLIFIERS



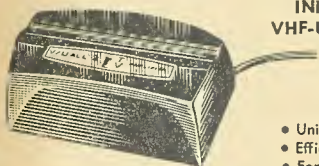
All-Channel  
**\$41.42**  
\$5 monthly

### 4-SET DISTRIBUTION VHF-UHF-FM AMPLIFIER

MODEL 4572. Use up to four sets with a single antenna, both UHF and VHF plus FM. Reliable solid-state circuit gives maximum signal-to-noise ratio for snow-free pictures, both color and black-and-white. Will not overload in strong signal areas, up to 0.2 volt. Flat response, high gain, excellent output isolation. Has 3 silicon transistors. Self-contained power supply. Single 300-ohm input, 4 combined UHF/VHF outputs. For TV channels 2 to 83 plus FM. Stripless screw terminals.  $8\frac{1}{4} \times 3\frac{1}{4} \times 1\frac{1}{8}$ ". For 110-120 volts, 60 Hz AC. 2 lbs. 11 C 1734. \$5 Monthly.....41.42

### VHF/FM 4-SET DISTRIBUTION AMPLIFIER

MODEL 4571. Same as 4572, but with two transistors for VHF television channels 2-13 and FM band only. 300-ohm.  $8\frac{1}{4} \times 3\frac{1}{4} \times 1\frac{1}{8}$ ". For 110-120 volts, 60 Hz AC. Shpg. wt., 2 lbs. 11 C 1735.....16.75



### INDOOR TWO-SET VHF-UHF-FM AMPLIFIER

**\$26.85**  
\$5 monthly

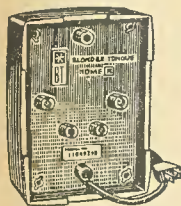
- Uniform High Gain
- Efficient FM Filter
- For Single Down-Leads

V/U-ALL-2. Provides high gain for bright color and sharp, steady black-and-white pictures without snow or interference. Can be used with a single receiver, or two receivers. For use with all-channel sets or VHF sets with UHF converters.

Obsolescence-proof—covers all TV channels 2 through 83—present as well as future channels. Circuit uses two high-stability silicon transistors for the utmost reliability and cool operation. Draws so little power that the unit need never be turned off. Built-in FM filter prevents overload.

Designed for use with single down-lead antennas. Input accepts combined UHF/VHF signals of 300-ohm impedance. Output is two combined signals at 300 ohms. Easily installed, for indoor mounting. Compact size,  $2\frac{1}{8} \times 4\frac{1}{8} \times 1\frac{1}{8}$ ". For 110-120 volts, 60 Hz AC. Shpg. wt., 1 lb. 11 C 1342. \$5 Monthly.....26.85

### VHF/FM COAXIAL DISTRIBUTION AMPLIFIER



Coaxial Splitter  
for Up to 4 Sets—  
Ideal for MATV

**\$16.50**

- Four 75-Ohm Outputs
- Channels 2-13 and FM

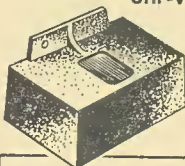
4569. Solid-state amplifier supplies signal for up to 4 sets from single 75-ohm coax downlead. Insures top-quality reception in any area. Powerful low-noise silicon transistor circuit gives snow-free pictures, provides 5 dB typical gain at each output. High output isolation (14 dB typical). For channels 2-13 plus FM band. 75-ohm input and outputs. With five solderless connectors for coax cable. Mounts anywhere indoors.  $4\frac{1}{8} \times 1\frac{1}{8} \times 1\frac{1}{8}$ ". For 115 volts, 60 Hz AC. Shpg. wt.,  $\frac{3}{4}$  lb. 11 C 1736.....16.50

### VHF/FM 300-OHM 4-SET DISTRIBUTION AMPLIFIER

4570. Four-output amplifier for channels 2-13 and FM. Powerful, low-noise silicon transistor. High output isolation. 300-ohm balanced input and outputs. Stripless screw terminals.  $3\frac{1}{4} \times 1\frac{1}{8} \times 1\frac{1}{8}$ ". For 115 V, 60 Hz AC. Wt., 1 lb. 11 C 1737.....11.97

## MAST-MOUNTING AMPLIFIERS

### UHF-VHF-FM ANTENNA AMPLIFIER



**\$29.98**

- Transistor Circuit
- Weatherproof Housing
- Low Power Drain

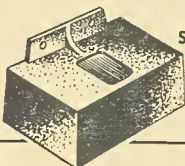
\$5 monthly

MODEL 4565. Covers 82 TV channels, for clearer, sharper pictures. Mounts on mast for best signal-to-noise ratio. For single set. Single all-channel input for use with all-channel antenna. High-stability silicon transistors for brilliant color and black-and-white. Indoor remote power supply has separate 300-ohm UHF/VHF outputs. Filter prevents FM overload. Amplifier,  $2\frac{7}{8} \times 4\frac{1}{8} \times 1\frac{1}{8}$ "; power supply,  $2\frac{1}{2} \times 4\frac{1}{8} \times 1\frac{1}{8}$ ". For 110-120 VAC. 1½ lbs. 11 C 1733. \$5 Monthly.....29.98

4566. As above, but separate UHF and VHF inputs, outputs. 11 C 1343. \$5 Monthly.....35.25



Most-Mount Amplifier  
with Indoor Remote  
Power Supply



### SOLID-STATE VHF ANTENNA AMPLIFIER

**\$24.62**

- High-Gain Circuit
- Silicon Transistors
- Uses Little Power

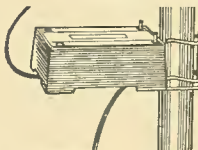
\$5 monthly

4567. 300 OHMS. Powerful two-transistor circuit gives sharp color and black-and-white pictures. Pulls in weaker channels without overloading from strong local TV or FM stations. Provides 17 dB gain. Can be used with one or two TV sets. Silicon transistors provide the utmost in circuit stability and reliability. Uses little power. Amplifier mounts on mast, power supply indoors. Amplifier,  $2\frac{7}{8} \times 4\frac{1}{8} \times 1\frac{1}{8}$ "; power supply,  $2\frac{1}{8} \times 4\frac{1}{8} \times 1\frac{1}{8}$ ". 110-130 V, 60 Hz AC. Shpg. wt. 1½ lbs. 11 C 1344. \$5 Monthly.....24.62



Most-Mount Amplifier  
with Indoor Remote  
Power Supply

### SOLID-STATE UHF ANTENNA AMPLIFIER



**\$29.65**

- 2 Silicon Transistors
- Triples Signal Strength
- Uses Very Little Power

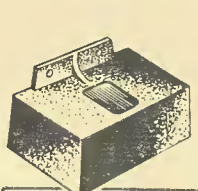
\$5 monthly

4568. Provides power for weak channels, yet does not overload strong channels. Average gain of 10 dB triples signal strength. Offers maximum signal-to-noise ratio for clear, strong pictures. Two ultra-stable silicon transistors for uniform high gain across entire UHF band. "Jiffy Mount" snaps onto antenna mast—amplifier slips over prongs for fast, secure installation. Remote power supply plugs into AC outlet. 300-ohm balanced input and output. Amplifier and power supply each  $1\frac{1}{8} \times 2\frac{1}{8} \times 4\frac{1}{8}$ ". 110-120 V, 60 Hz AC. 1½ lbs. 11 C 1508. \$5 Monthly.....29.65



Indoor Power Supply

### HIGH-GAIN VHF-TV AND FM ANTENNA AMPLIFIER

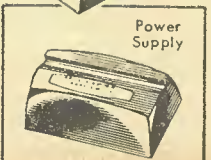


**\$91.15**

- For Far-Fringe Areas
- Broadband Circuit
- 300 or 75 Ohms

\$5 monthly

4573. 25 dB gain on VHF-TV channels 2-13 and FM broadcast band. Increases signal voltage at least 18 times. Excellent for color reception. May be mast-mounted a mile away from set and AC power source (with open lead-in)—amplifies signal with no increase in line noise from lead-in. Needs no separate power line. Operation is automatic—amplifier turns on and off at RP-3 remote power supply. 300-ohm balanced input; 300 and 75-ohm outputs. Broadband circuit for high S/N ratio. Amplifier,  $5\frac{1}{2} \times 3\frac{1}{2} \times 3\frac{1}{2}$ "; supply,  $8\frac{3}{4} \times 2\frac{1}{2}$ ". 115 V, 60 Hz AC. Wt., 7 lbs. 11 C 1159. \$5 Monthly.....91.15



Power  
Supply

# JFD and Jerrold TV Antenna Amplifiers

**JFD SOLID-STATE ANTENNA MOUNTING AMPLIFIERS** **NEW**

Weatherproof Amplifier Mounts on Antenna

Power Supply Mounts Behind TV Set

## "SNOW PLOW" MAST-MOUNT AMPLIFIERS

VHF/ **\$37.50**  
UHF/  
FM \$5 monthly

VHF **\$28.50**  
Only \$5 monthly

UHF **\$28.50**  
Only \$5 monthly

MODEL SP-2382. Offers bright, sharp UHF-VHF color or black-and-white TV; clear, brilliant FM reception. Three-silicon-transistor "Neverload" design—15 dB VHF gain; 18 dB UHF gain; 12 dB FM gain. 300-ohm input, two 300-ohm outputs. Weather and lightning protected PC amplifier unit mounts on antenna mast for highest S/N ratio. No-strip terminals. Compact power supply with built-in splitter mounts conveniently near TV receiver. Pre-amplifier, 6 $\frac{1}{2}$ x3 $\frac{1}{2}$ x3 $\frac{1}{2}$ ". Power supply; 5 $\frac{1}{2}$ x3 $\frac{1}{2}$ x3 $\frac{1}{4}$ ". 110-120 V, 60 Hz AC. 11 C 1262. Wt., 2 lbs. \$5 Monthly. 37.50

MODEL SP-2300. VHF-only mast-mounted amplifier increases picture clarity on channels 2-13; reduces ghosts, snow and interference. Same fine features as SP-2382 at left. 15 dB gain. 110-120 VAC. 11 C 1743. Wt., 2 lbs. \$5 Monthly. 28.50

MODEL SP-2314. UHF-only mast-mounted amplifier offers full 15 dB gain on UHF channels 14-83. Improves overall performance of any UHF antenna. VHF bypass circuit reduces interference. Other features same as SP-2382. 110-120 VAC. 11 C 1263. Wt., 2 lbs. \$5 Monthly. 28.50

**NEW INDOOR AMPLIFIERS**

**JFD**

**DIRECTOR-82 UHF-VHF-FM**

**\$28.50** • Installs Anywhere  
• Solid-State Circuit  
\$5 monthly • Improves Reception

MODEL PC-4382. All-channel antenna amplifier improves reception on UHF and VHF channels 2-83, plus FM. "Neverload" silicon transistor; broadband design. 4-output splitter network; 8 dB gain per output. 300-ohm input, outputs. 5x3 $\frac{1}{2}$ x1 $\frac{1}{4}$ ". 110-120 V, 60 Hz AC. 2 lbs. 11 C 1264. \$5 Monthly. .... 28.50

### DIRECTOR-12 VHF-FM ONLY

MODEL PC-4312. Same fine features as above, but operates on VHF channels 2-13. Excellent for color TV. Mounts in any position. 110-120 V, 60 Hz AC. 2 lbs. 11 C 1266. .... 18.00

## JERROLD TELEVISION AMPLIFIERS AND ACCESSORIES

### MAST-MOUNTING ANTENNA AMPLIFIERS

**NEW** Set-Mounted Power Supply

#### VHF-FM HIGH-GAIN 5-TRANSISTOR AMPLIFIER

For Deep-Fringe Areas **\$65.50** \$5 monthly

MODEL SPC-132AL. For extreme fringe areas or wherever high driver gain is needed. Improves reception of both black-and-white or color TV sets. 300-ohm input, 75-ohm coax output. Two-transistor mast-mounted amplifier; three-transistor set-mounted power supply. 29 dB gain on high VHF band. Pre-amplifier in non-corrosive Cyclocal® case, 2 $\frac{1}{4}$ x6 $\frac{1}{4}$ x3 $\frac{3}{8}$ ". Power supply, 4 $\frac{3}{4}$ x3 $\frac{1}{4}$ x1 $\frac{1}{4}$ ". With three F-59A connectors, mounting hardware. Less down lead. 110-120 V, 60 Hz AC. 11 C 1435. Wt., 3 lbs. \$5 Monthly. 65.50

#### VHF 2-TRANSISTOR AMPLIFIER

SPM-106. As above, 300-ohm input and outputs. 16.9 dB gain. Mast-mounted preamp, 2 $\frac{1}{4}$ x6 $\frac{1}{4}$ x3 $\frac{3}{8}$ "; power supply; 4 $\frac{3}{4}$ x3 $\frac{1}{4}$ x1 $\frac{1}{4}$ ". 110-120 V, 60 Hz AC. 2 lbs. 11 C 1416. \$5 Monthly. .... 29.95

#### UHF 2-TRANSISTOR AMPLIFIER

UPM-104L. As above, 300-ohm input and outputs. 13.7 dB gain on UHF channels 14-83. Preamp, 2 $\frac{1}{4}$ x6 $\frac{1}{4}$ x3 $\frac{3}{8}$ "; power supply, 4 $\frac{3}{4}$ x3 $\frac{1}{4}$ x1 $\frac{1}{4}$ ". 110-120 V, 60 Hz AC. 11 C 1318. Wt., 2 lbs. \$5 Monthly. .... 33.50

**NEW** Set-Mounted Power Supply

#### UHF-VHF-FM POWERMATE ANTENNA AMPLIFIER

Flat Response, **\$39.93** \$5 monthly  
15.6 dB gain

MODEL ACP-105L. 82-channel UHF-VHF amplifier with excellent gain and overload characteristics. Strengthens distant signals without interference from strong local stations. Up to 10.5 dB gain. Excellent noise, figure, flat response. Preamp unit mounts on antenna boom for maximum gain. Remote power supply has two 75-ohm outputs; mounts behind set. For color or black-and-white TV. 300-ohm input. Preamp, 2 $\frac{1}{4}$ x6 $\frac{1}{4}$ x3 $\frac{3}{8}$ ". Power supply, 4 $\frac{3}{4}$ x3 $\frac{1}{4}$ x1 $\frac{1}{4}$ ". 110-120 V, 60 Hz AC. 11 C 1269. Wt., 2 lbs. \$5 Monthly. 39.93

#### VHF ANTENNA AMPLIFIER

MODEL SPC-107L. 75-ohm impedance, as above, for VHF only. Great for color TV. Offers gain of 16 dB. Preamp, 2 $\frac{1}{4}$ x6 $\frac{1}{4}$ x3 $\frac{3}{8}$ ". Power supply, 4 $\frac{3}{4}$ x3 $\frac{1}{4}$ x1 $\frac{1}{4}$ ". 2 lbs. 11 C 1502. \$5 Monthly. .... 31.97

#### 75-OHM CONNECTORS

MODEL F-59A. Male RG-59/U connector for Jerrold 75-ohm equipment. 1 oz. 11 C 1742. .... Each 36¢

MODEL F-58. For Belden 8828 cable. 11 C 1272. Wt., 8 oz. .... Each 36¢

### INDOOR TV AMPLIFIERS

**NEW**

**POWERMATE TV/FM FOUR-SET COUPLER**

**\$16.75**

MODEL TA-2DP. Amplified coupler provides sufficient gain (2.2 dB at low-band, 3.6 dB at high band) to supply up to 4 TV sets from single antenna. (Higher gain with less than 4 sets.) Improves VHF-TV channels, plus FM. 300-ohm input and outputs. 3 $\frac{1}{4}$ x4 $\frac{1}{2}$ x2". Mounts on any surface. 110-120 V, 60 Hz AC. 2 lbs. 11 C 1270. .... 16.75

MODEL TAC-4. UHF/VHF 4-way splitter/amplifier improves UHF-VHF TV reception, plus FM. Total gain, 10 dB, 3 dB for each output. 75-ohm input, outputs. 7 $\frac{3}{16}$ x4 $\frac{1}{2}$ x1 $\frac{1}{8}$ ". Shpg. wt., 1 $\frac{1}{2}$  lbs. 11 C 1738. \$5 Mo. 33.30

MODEL TC-88DP. VHF amplifier. Same as above but for VHF-TV, plus FM. Silicon transistor, inverse feedback circuit. 4 outputs, 75 ohms. 7 $\frac{3}{16}$ x4 $\frac{1}{2}$ x1 $\frac{1}{8}$ ". 1 $\frac{1}{2}$  lbs. 11 C 1739. \$5 Monthly. .... 26.63

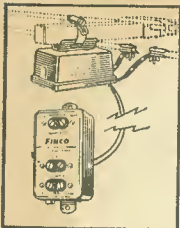
MODEL TA-66ADP. VHF amplifier. Above, but with 300 ohm input and outputs. 8 $\frac{7}{16}$ x4 $\frac{1}{2}$ x6 $\frac{1}{4}$ ". Shpg. wt., 1 $\frac{1}{2}$  lbs. 11 C 1217. \$5 Monthly. .... 22.95

**NOTE:** Antenna Amplifiers Will Improve and Boost TV Pictures When Used With Lead-In and Antenna in GOOD Condition. Check Your Lead-In and Antenna.

**ALLIED 407**



# Amplifier and Installation Accessories



**NEW**  
*at ALLIED*

## FINCO 82-CHANNEL SILICON TRANSISTOR AMPLIFIERS

### M-22 300-OHM ANTENNA AMPLIFIER

Silicon transistor amplifier provides 15-dB gain. For VHF-UHF. Amplifier unit, in die-cast housing, fastens to boom with stainless steel clamp. Power supply fastens behind TV receiver. Provision for 1 receiver. 300-ohm input and output. For 110-120 VAC. Amplifier, 3 1/4 x 4 3/8 x 2 3/4". Power Supply, 4 x 2 1/2 x 2 1/4". Wt., 2 lbs.  
**11 C 1116. \$5 Monthly.....39.95**



### M-118 DISTRIBUTION AMPLIFIER

Fully silicon transistorized 82-channel broadband amplifier with 9 dB gain VHF and 7 dB UHF at each of four 75-ohm outputs. Input: 75 ohms. High stability and low noise figure. Ideal for deluxe multi-set systems. Snow free color or black-and-white pictures. "F" connectors. 110 VAC, 60 Hz. 5 1/2 x 3 5/8 x 1 5/8". Shpg. wt., 1 lb.  
**11 C 1148. \$5 Monthly.....29.95**

### M-23 75-OHM ANTENNA AMPLIFIER

Same as M-22, but for 75-ohm coaxial, low interference download. Provides high gain for bright color and sharp steady black-and-white. Pulls in weaker channels without a signal overloading problem. Requires matching transformer for use at 300-ohm television set. Amplifier: 3 1/4 x 4 3/8 x 2 3/4". Power Supply: 4 x 2 1/2 x 2 1/4".  
**11 C 1140, Shpg. wt., 2 lbs. \$5 Monthly.....41.95**

### M-115 DISTRIBUTION AMPLIFIER

Silicon transistor broadband distribution amplifier provides gain of 15 dB UHF/VHF. Single 75 ohm "F" connector output. High degree of stability while retaining exceptionally low noise figure of 4.5 dB VHF, 8 dB UHF. Channels 2-83 including FM. For 110 VAC, 60 Hz. Size, 5 1/2 x 3 5/8 x 1 5/8". Shpg. wt., 1 lb.  
**11 C 1162. \$5 Monthly.....29.95**

## MOSLEY CUSTOM ANTENNA INSTALLATION ACCESSORIES

### CUSTOM WALL MOUNTING ANTENNA OUTLETS



- Attractive Ivory Colored Plastic
- Plates for Every Requirement
- Include All Rotor and Line Plugs

Ivory-colored plastic wall plates, complete with matching plugs for black-and-white and color VHF UHF TV (or FM) transmission line. Can be flushed-mounted on wall with bracket supplied, or over standard electrical outlet box. Types include those for flat, oval and round 300-ohm twin-line; shielded 300-ohm twin-line; 75-ohm coaxial cable; and types with provision for AC outlet. Some types have connections for antenna rotor cable, in addition to antenna transmission line. All plugs needed for each type are included plus hardware and complete instructions. Av. shpg. wt., 8 oz.

#### A FOR FLAT, OVAL AND ROUND 300-OHM TWIN-LINE

\*Type FD-1PK has built-in switch to eliminate open-end line losses when more than one plate is connected to the same twinline.

Stock No.	Type No.	Connections For	EA.
11 C 1753	F-1PKB	1 twin-line	1.23
11 C 1754	*FD-1PKB	1 twin-line	1.39
11 C 1755	F-11PKB	2 twin-lines	1.46
11 C 1756	F-145PKB	1 twin-line and 4- or 5-wire rotor	2.16
11 C 1757	F-245PKB	2 twin lines and 4- or 5-wire rotor	2.48

#### B FOR 75-OHM COAXIAL CABLE

Stock No.	Type	Description	EA.
11 C 1761	FCC-1-PK	1 coax outlet	2.64
11 C 1762	FCC-145-PK	1 coax outlet and 4 or 5-wire rotor	3.63

#### C FOR TWIN-LINE AND ROTATOR CABLE—PROVISION FOR AC OUTLETS

Metal barrier-plate for approved mounting together with standard 2-gang electrical outlet box. Plug polarization prevents accidental insertion in AC outlet. No need to rewire existing AC outlets.

Stock No.	Type	Description	EACH
11 C 1763	AC-1PKB	1 twin-line	1.87
11 C 1764	AC-11PKB	2 twin-lines	2.28
11 C 1765	AC-145PKB	1 twin-line, 4/5 wire rotor	3.24
11 C 1766	AC-245PKB	2 twin-lines, 4/5 wire rotor	3.82

#### A FOR SHIELDED 300-OHM TWINLINE

Stock No.	Type	Description	EACH
11 C 1760	BL-1PK	1 sh. twin line	1.67

### SOLDERLESS CONNECTORS



A wide selection of solderless plugs, sockets, and connectors. Specially designed for use with flat, oval, round, and shielded antenna twin-line and multiple conductor rotor cables. Easy to assemble without soldering—just strip wires, insert, tighten screws. Provide sure, fast contact, permit quick connect and disconnect. All are molded of low-loss polystyrene for constant impedance. All units listed are clear except \*ivory color. 1 Pair. Av. shpg. wt., 2 oz.

Stock No.	Type	Fig.	Description	EA.
11 C 1482	27-S	D	Twin-line splicer	.17
11 C 1688	*BL-3S	D	Sh'd. t.-l. splicer	.90
11 C 1767	*303B	F	T-line male plug	.29
11 C 1768	*BL-300	F	Sh'd. t.-l. m. plug	.65
11 C 1769	*345B	F	4-5 wire male plug	.76
11 C 1636	*365	E	4-5 wire female pl.	.93
11 C 1511	301	H	Male twin-line	.31
11 C 1506	311	G	Female twin-line	.25
11 C 1635	1321	J	Polarized connect.	.56



### TV COUPLERS

Low-loss printed circuit TV or FM couplers. Four-set couplers may be used with 2, 3, or 4 receivers. Shpg. wt., 6 oz.

#### FOR FLAT, OVAL AND ROUND TWIN-LINE

Stock No.	Type	Description	EACH
11 C 1287	PC-4	4-set coupler	1.95
11 C 1288	PC-2	2-set coupler	1.12

#### FOR 72/75-OHM COAXIAL CABLE

Stock No.	Type	Description	EACH
11 C 1397	C-24	4-set coupler	4.80
11 C 1399	C-22	2-set coupler	3.41

#### FOR SHIELDED 300-OHM TWINLINE

11 C 1687	BL-4PK	2, 3, or 4 sets	2.51
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### MOSLEY ACCESSORIES WITH SOLDERLESS CONNECTIONS

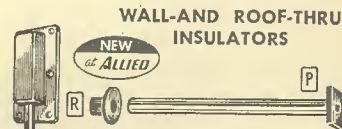


**K** TYPE 343-PKB TRANSMISSION LINE SOCKET WITH PLUG. Solderless. Mounts on baseboard or wall. With twin-line plug and mounting screws. Ivory.  
**11 C 1770. Shpg. wt., 2 oz.....71**

**L** TYPE 2635 "Y-TY". Strain relief conn. for use where distance between ant. terms is 4" or less. Solderless. Shpg. wt., 2 oz.  
**11 C 1771.....64**

**M** TYPE 304-PK ANTENNA CONNECTOR. For twin lead at TV set. Solderless.  
**11 C 1430. Shpg. wt., 2 oz.....66**

**N** TYPE F-42 2-WAY ANTENNA SWITCH. Switch one antenna to either of 2 receivers, or 2 ants. to one rec. 300 ohms. UHF-VHF-FM. Ivory finish.  
**11 C 1571. Shpg. wt., 8 oz.....1.83**

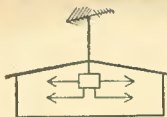


### WALL-AND ROOF-THRU INSULATORS

**P** TYPE 625 WALL-THRU INSULATOR. For walls up to 13". Tube 14" long with inside plate and outside cap. Ivory plastic.  
**11 C 1022. Shpg. wt., 1 lb.....1.16**

**R** NEW TYPE M-60 ROOF-THRU/WALL-THRU. Weatherproof. For wall or sloped roof. For all twin lead, coax, rotor cables.  
**11 C 1772. Shpg. wt., 4 oz.....1.12**

# TV-FM Couplers, Splitters, Arresters

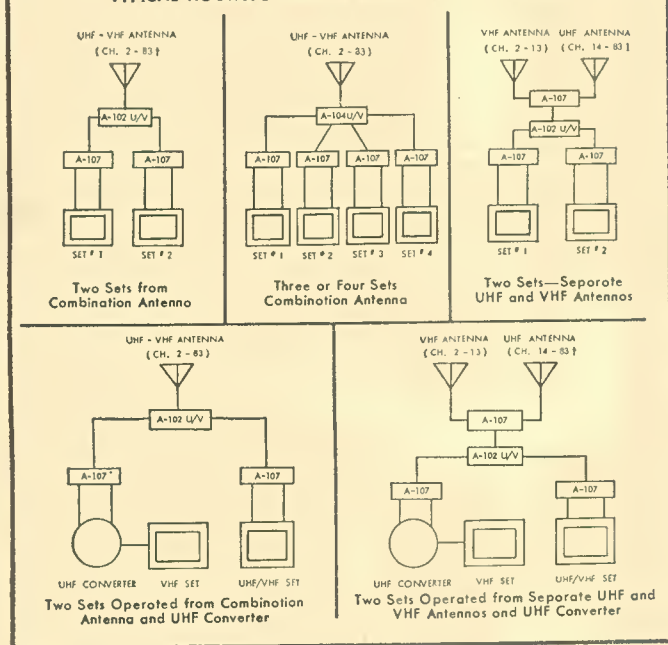


## OPERATE UP TO FOUR SETS FROM A SINGLE ANTENNA

Low-loss couplers and splitters let you connect more than one TV or FM set to a single antenna, or split the signal for VHF and UHF terminals, while still receiving the full signal strength delivered to your antenna. This gives you a custom antenna installation, as used in many large buildings.



### TYPICAL HOOKUPS USING SPLITTERS AND COUPLERS



### BLONDER-TONGUE COUPLERS AND SPLITTERS

**A-107 UHF/VHF TV SPLITTER.** For connecting one UHF and one VHF TV antenna to a single down-lead. Can also be used to split signal from a single antenna for feeding a TV set with separate UHF and VHF antenna input terminals. 15 db isolation; 0.5 db insertion loss. No-strip 300-ohm terminals. Size, 1¼x2½x2¼". Shpg. wt., 5 oz.  
**11 C 1432.....3.60**

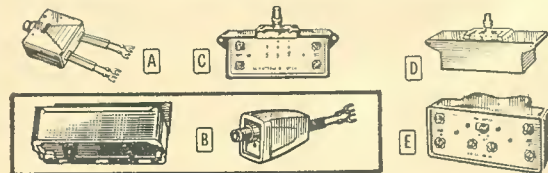
**A-102U/V 2-SET UHF/VHF COUPLER.** Has one input from antenna and two combination UHF/VHF outputs. Feeds UHF-VHF signal (channels 2 to 83) from single down-lead to 2 TV sets, each having a single UHF-VHF antenna input. No-strip terminals. 1¼x2½x2¼". Shpg. wt., 5 oz.  
**11 C 1078.....2.20**

**A-104U/V 4-SET UHF/VHF COUPLER.** Has one input from antenna and four combination UHF/VHF outputs. Feeds UHF-VHF signal from a single downlead to up to four TV sets, each having a single UHF-VHF input. 1¼x2½x2¼". 5 oz.  
**11 C 1076.....3.35**

**MODEL UHF-CS VHF/UHF/FM SPLITTER.** Splits signal from a single VHF/UHF/FM downlead for feeding a TV set with separate UHF and VHF antenna input terminals and an FM receiver or tuner. No-strip 300-ohm terminals. 1¼x2½x2¼".  
**11 C 1621. Shpg. wt., 4 oz.....3.75**

**UV-CS VHF/UHF TV SPLITTER.** Splits signal from a single UHF/VHF downlead for feeding a TV set with separate UHF and VHF antenna input terminals. High isolation and low insertion loss. No-strip 300-ohm terminals. 1¼x2½x2¼". Shpg. wt., 4 oz.  
**11 C 1620.....2.25**

### SWITCHES, ATTENUATORS, TRANSFORMER-SPLITTER



**A JERROLD T-380A TRANSFORMER-SPLITTER.** Matching transformer for all-channel coaxial antenna system. Matches 75-ohm coaxial cable to 300-ohm TV sets, to use 75-ohm cable for improved color TV reception. Splits antenna signals to provide separate UHF and VHF antenna inputs to TV sets. Isolates line from AC-DC receivers. Low loss. Hardware for back of set mount. 3x3x2".  
**11 C 1643. Shpg. wt., 4 oz.....4.77**

**B JERROLD CAT-2 MATCHING TRANSFORMER KIT.** Converts VHF/UHF TV and FM antenna installations for 75-ohm coaxial cable. Master-mount transformer that matches 300-ohm antenna, mounting bracket, strap, plus set-mount transformer. Wt., 2 lbs.  
**11 C 1258.....4.92**  
**11 C 1740. T-379. UHF/VHF 75/300-ohm transformer.....1.50**

**C JFD AS-1 3-WAY ANTENNA SWITCH.** Bat-handle switch for connecting any one of three separate antennas to one set; or one antenna to any of three sets. Ideal for multiple installations where one antenna or one set is used at a time. 5x2x1¼".  
**11 C 1291. Shpg. wt., 4 oz.....2.69**

**D JFD AS-5 3-WAY ATTENUATOR SWITCH.** Three way switch reduces TV or FM overloading problems. Bat-handle switch selects two levels of attenuation - 15 or 25-dB—or no attenuation. Eliminates picture "tear-out." 300 ohms. Back-of-set mtg. 5x2x1¼".  
**11 C 1622. Shpg. wt., 4 oz.....3.19**

**E JFD AS-2 2-WAY ANTENNA SWITCH.** Two-way slide switch connects one of two antennas to one set; or connect one antenna to either one of two sets. For multiple installations where one antenna or one set is used at a time. No-strip terminals. 5x2x1¼".  
**11 C 1305. Shpg. wt., 4 oz.....1.99**

### LIGHTNING ARRESTERS

**F AT-110S TUBULAR LINE ARRESTER.** Protects receiver from damage in the event of lightning striking the antenna by providing a ground path over which the high current will pass. For 300-ohm tubular twin-line. Supplied complete with 10" hanger strap, hardware. U.L. Listed. Size, 2¼x1x1¼". Shpg. wt., 8 oz.  
**11 C 1001.....1.69**

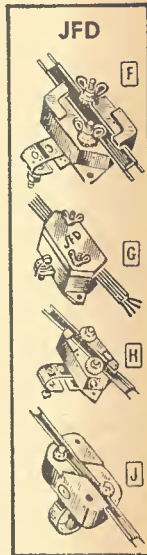
**G AT-104S ROTATOR LINE ARRESTER.** For 4-wire rotator lead-in. Makes positive contact with conductors. With ground lug and 10" hanger strap. U.L. Listed. Size, 1½x2x2". Shpg. wt., 8 oz.  
**11 C 1109.....2.09**  
**11 C 1094. AT-106S.** Similar to above but for 5-wire lead-in. Wt., 8 oz.....2.79

**H AT-105S. FLAT-LINE ARRESTER.** Can be mounted on mast or pipe. With 10" hanger strap. U.L. Listed. Size, 1½x2x2". Shpg. wt., 15 oz.  
**11 C 1110.....1.29**

**J AT-102S FLAT-LINE ARRESTER.** For flat-type twin lead. Waterproof. Mounts on mast or pipe. Supplied complete with 10" hanger strap, 4" ground wire, and necessary hardware. U.L. Listed. 1½x3½x1¼". Wt., 15 oz.  
**11 C 1530.....2.49**

**K G-C TELCO 8642 TELEVISION LIGHTNING ARRESTER.** Use with any twin-line lead in. Single screw mounting. U.L. Listed. Size, 2x2x¾". Shpg. wt., 6 oz.  
**11 C 1082......69**

**L RADIO LIGHTNING ARRESTER.** For series insertion in single-wire antenna lead-in. Made of moisture-proof porcelain. U.L. Listed. 1x3½x1". Shpg. wt., 6 oz.  
**11 C 1091......39**



Depend on Allied for Complete Stocks, Lowest Prices, Prompt Service



# JFD Home TV Distribution Systems

**MEDIUM-FRINGE AREA SYSTEM**

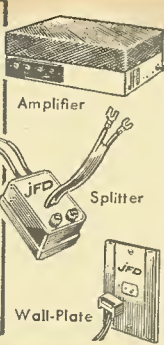
ANTENNA  
TWIN LEAD  
PC 4382 AMPLIFIER/SPLITTER  
IT 3030

**\$43.82**  
monthly

**DEEP-FRINGE AREA SYSTEM**

ANTENNA  
TWIN LEAD  
SP 2382 AMPLIFIER  
IT 3030

**\$56.12**  
monthly



**MEDIUM-FRINGE AREA SYSTEM**

HS-41-300. Quality 4-set distribution system for medium-fringe areas. Covers VHF-UHF TV, plus FM. Includes: PC-4382 Solid-State Indoor Amplifier/Splitter; Four SS21 UHF/VHF Signal Splitters; Four TT3030 Wall-Plates. Gain: VHF, 16 dB; UHF, 6.5 dB; FM, 6 dB. 300-ohms. 3-transistor amplifier circuit. Amplifier size, 6 1/2 x 3 1/2 x 2 7/8". 110-130 V, 60 Hz AC. Shpg. wt., 3 lbs.

11 C 1177. \$5 Monthly..... 43.82

**DEEP-FRINGE AREA SYSTEM**

HS-42-300. Deep-fringe 4-set system distribution offers improved VHF-UHF and FM reception in all areas. Includes: SP-2382 Solid-State Antenna Splitter/Power-Supply; SC72 300-Ohm 4-Way Splitter; Four SS21 UHF/VHF Signal Splitters; Four TT3030 Wall Plates. Gain: VHF, 12 dB; UHF, 12 dB; FM, 14 dB. Amp. 6 1/2 x 2 3/4 x 2 1/2" mounts on crossarm or mast; power supply, 3x4 5/8 x 1 1/2", mounts indoors. 300 ohms. 115 VAC. Shpg. wt., 3 lbs.

11 C 1178. \$5 Monthly..... 56.12

## Blonder-Tongue TV-FM Distribution Systems

These top-quality distribution systems amplify the signal from your TV or FM antenna, to permit delivering a strong clear signal to up to 150 receivers. Ideal for homes, schools, motels, or any large building. All are designed for maintenance-free operation.

**HIGH-GAIN VHF TV/FM AMPLIFIER**

**\$44.62**  
\$5 monthly

- 25 dB Minimum Gain VHF and FM
- 75/300 Ohm Input and Output
- Gain Controls for Adjustable Output

HA8. Low-noise broadband amplifier for large home systems, motels, small MATV systems, etc. Drives up to 50 sets. Has 75 and 300 ohm inputs and outputs; low-noise figure (Ch. 2-6, 4 dB; 7-13, 6 dB; FM, 4 dB). Gain control range of 15 dB on all channels. 6 1/2 x 4 3/4 x 5 3/4". 105-129 VAC. Wt., 4 1/2 lbs.

11 C 1163. \$5 Monthly..... 44.62

**MLAC**

**\$90.00**  
\$5 monthly

**LARGE SYSTEM VHF TV AMPLIFIER**

MLAC. VHF TV amplifier provides a gain of 40 dB on channels 2-13. Supplies adequate power to operate up to 150 sets with proper antenna distribution system. Two or more units may be used in series for additional gain when extremely long lines are used. Offers maximum signal fidelity for both color and black-and-white TV. Separate controls make it possible to adjust either high (channels 7-13) or low (channels 2-6) band to compensate for differing input signal strengths. 75-ohm coaxial input and output connectors. Seven tubes. In rugged, well-ventilated metal cabinet, 9x6x5". For 110-120 volts, 60 Hz AC. Shpg. wt., 9 lbs.

11 C 1365. \$5 Monthly..... 90.00

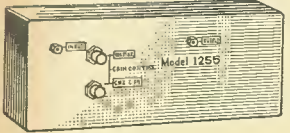
**DA8-B**

**\$68.85**  
\$5 monthly

**8-SET VHF AMPLIFIER**

DA8-B. Combination signal booster and isolation-distribution system for use in small apartment buildings, homes, motels. Has outputs for up to 8 TV sets, with 22 dB minimum isolation between outputs to prevent interference between sets. 10 dB gain on all VHF channels for bright, clear pictures. Gain control range of 10 to 1 protects system from overload. Low-noise all-triode circuit. Has inputs and outputs for 75 or 300-ohm lines. One output may be used to feed another DA8-B for additional hookups. Includes power supply, terminating resistors, grounding clamp, screw terminals. 5x9x5 1/2". 110-120 V, 60 Hz AC. Wt., 6 lbs.

11 C 1248. \$5 Monthly..... 68.85

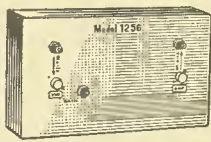


1255. Broadband VHF/FM amplifier is ideal for homes, showrooms, small MATV systems, etc. Handles up to 50 sets. Has two 75-ohm inputs; one for direct connection to antenna; the other has duplexed low-voltage AC for powering a mast-mounted preamp. Gain: 30 dB on all VHF channels. Output impedance, 75 ohms. Two controls, for high channels 7-13 and low channels 2-6-FM, balance gain. F connectors; 3-wire power cord. 8 2/4 x 3 7/8 x 2 5/8". 105-129 VAC.

11 C 1725. Shpg. wt., 4 lbs. \$7 Monthly..... 58.45

**1255 BROADBAND VHF/FM AMPLIFIER**

- Silicon Transistor Circuit
- Input for Powering Preamps
- High and Low Gain Controls



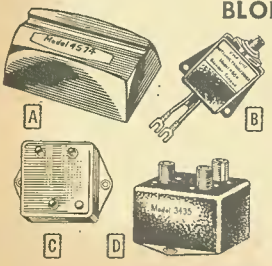
1256. Excellent high-gain, high-output broadband UHF amplifier provides up to 30 dB gain for use in medium and small MATV systems. Eliminates need for UHF to VHF converter. Built-in UHF/VHF multiplexers permit use with companion VHF amplifiers (1255 at left), to provide all-channel reception. High and low-gain controls, input for powering preamps. 75-ohm input and output impedances. Size, 8 3/4 x 5 1/4 x 3 3/8". 3-wire power cord. 110-120 VAC.

11 C 1726. Shpg. wt., 3 1/4 lbs. \$5 Monthly..... 129.00

**1256 HIGH-GAIN UHF AMPLIFIER**

- Silicon Transistor Circuit
- Eliminates Need for Converter
- Provides Sharp, Clear Pictures

### BLONDER-TONGUE DISTRIBUTION SYSTEM ACCESSORIES



**A** 4574. Amplified 2-way VHF/UHF splitter provides signal for two sets from single twin-lead input. Amplifies channels 2-83. Use foam-type lead for input and output. 3x5x2". 117 VAC.

11 C 1273. Shpg. wt., 1 lb..... 4.49

**B** 4564. VHF/UHF transformer adapts 75-ohm coax to 300 ohms. Surface mount. 3x2x1".

11 C 1274. Shpg. wt., 4 oz..... 3.20

**C** 4537. VHF/FM splitter. Indoor 2-way hybrid. Separates one 75-ohm coax input into two 75-ohm outputs. Blonder-Tongue OD connectors accept type 59 cable. 2x2x1 1/2". Shpg. wt., 8 oz.

11 C 1276..... 2.05

**C** 4515. VHF/FM splitter. Indoor 4-way hybrid. Separates one 75-ohm coax input into four 75-ohm coax outputs. Blonder Tongue OD connectors accept type 59 cable. 2x2x1 1/2".

11 C 1277. Shpg. wt., 8 oz..... 8.45

**D** 3435. VHF/UHF/FM splitter. Indoor 2-way hybrid. Separates one all-channel 75-ohm input into two 75-ohm outputs. Three type F connectors; plugs for type 59 cable. 2x2x1 1/2".

11 C 1278. Shpg. wt., 8 oz..... 12.45

**D** 4535. VHF/UHF/FM splitter. Indoor 4-way hybrid. 5 type F connectors, plugs. 8 oz.

11 C 1279..... 9.85

# Handy TV Accessories and Servicing Aids

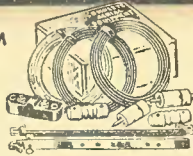
## VHF/UHF TV CLARIFIER



**\$5.95** Installs in 60 Seconds

Handy device improves reception by amplifying the pickup power of your antenna. Helps filter out ghosts and interference; clears up snowy pictures. 12-position switch for selecting clearest picture. With 5' twin-line. U.L. Listed. 110-120 AC or DC. 11 C 1209, Shpg. wt., 2 1/4 lbs. . . . . 5.95

## SHORTWAVE/AM ANTENNA KIT



**\$2.39**

"Pulls in" difficult-to-receive stations on shortwave and AM broadcast bands. Includes: 100' 7x26 bare copper wire; 40' lead-in; 25' heavy-gauge ground wire; 2 insulators; window lead-in; lightning arrester; 2 nail knobs; ground clamp; instructions. 11 C 1239, Shpg. wt., 2 1/2 lbs. . . . . 2.39

## COLOR TV DEGAUSSING COIL



A "must" for color-TV owners. Use it just once and it pays for itself. Demagnetizes picture tube to remove unwanted patches of green on screen. 7" diameter coil. Pushbutton on-off switch. With complete instructions. For 110-120 V, 60 Hz AC. Wt., 10 oz. 11 C 1048. . . . . 5.83  
11 C 1613, Professional Degaussing Coil. 13" dia., 9' cord. Wt., 2 lbs. . . . . 17.97

## ACCESSORIES FOR SERVICING, BETTER RECEPTION



**A** TV NOISE KILLER AND STATIC FILTER. Eliminates noise from electrical appliances, power tools. Simply plug TV into noise killer, noise killer into AC outlet. Sharply reduces electrical interference. Shpg. wt., 4 oz. . . . . 69  
11 C 1758. . . . . 69

**B** TV ANTENNA INTERFERENCE FILTER. Stops interference due to planes, neon lights, outdoor transformers. Installs between antenna lead-in wires and set terminals. Improves color or black-and-white viewing. Shpg. wt., 3 oz. . . . . 69  
11 C 1759. . . . . 69

**C** SUPEREX "CLEAR-PIX" INTERFERENCE FILTERS. Choice of units to overcome TV interference from various sources. For TV sets using 300-ohm twin lead. 5 oz.

Stock No.	Type	Attenuates	EACH
11 C 1066	CPH	21 MHz Amateur	1.17
11 C 1068	CPF	Strong FM station	1.17
11 C 1067	CPI	Ignition or similar	1.17
11 C 1065	CPC	Citizens Band	1.17

**D** MILLER ANTENNA TRANSFORMERS. Permits use of low-loss 52 or 72 ohm coaxial cable on 300 ohm receiver inputs. Two required: one at antenna, one at receiver. For indoor or outdoor. 3/4x3/4x1 1/8". 3 oz. 11 C 1306, Type 6161, 52 ohms. Each 1.91  
11 C 1309, Type 6162, 72 ohms. Each 1.91

**E** R. L. DRAKE TV-300-HP HIGH-PASS FILTER. Eliminates or reduces interference caused by police, Amateur (including 6-meter), Citizens Band, diathermy, 40 dB attenuation, 0 to 52 MHz. Attaches to 300-ohm antenna terminal. Size, 2 1/2x2 1/2x1 1/8". Shpg. wt., 8 oz. . . . . 3.97  
11 C 1160. . . . . 3.97

**F** EBY K-302 CRT EXTENSION HARNESS KIT. Expedites testing of any black-and-white picture tube. Consists of 3-ft. anode extension harness; 4-ft. CRT socket harness designed for use with both electrostatic and magnetic tubes; 3-ft. octal yoke harness. Shpg. wt., 10 oz. . . . . 4.80  
11 C 1035. . . . . 4.80

EBY K-320 CRT COLOR EXTENSION HARNESS KIT. Similar to K-302 extension harness kit listed above, but designed for color TV. Shpg. wt., 15 lbs. . . . . 10.50  
11 C 1610. . . . . 10.50

**G** EBY AC-1 CRT HI-VOLTAGE CONNECTOR. Important replacement part for television servicing and repair work. Second anode connector. Silver-plated plug contacts for low-loss. 1 1/2" diameter rubber cap. 18" heavily insulated wire lead. 4 oz. . . . . 69  
11 C 1034. . . . . 69

**H** TV POWER CORD AND CONNECTOR. Identical to original equipment on most sets. 9 ft. long. U.L. Listed. 8 oz. . . . . 36  
11 C 1049. . . . . 36  
11 C 1032, 6-Ft. Cord, Conn. 6 oz. . . . . 46

**J** TRANSISTOR VARI-LOOPSTICK. Impedance tap, micrometer adjustment; snap-in mounting. Use 365 or 410 pF tuning capacitor. 7/16x2". . . . . 73  
11 C 1286, Shpg. wt., 4 oz. . . . . 73

## VOKAR VIBRATORS



Auto radio vibrators for general replacement use. 1 1/2x2 5/8", 8 oz. 11 C 1280, 4.4, 6 V, 4 pins. . . . . 1.49  
11 C 1281, 12.3, 12 V, 3 pins. . . . . 1.69  
11 C 1282, 12.4, 12 V, 4 pins. . . . . 1.69

## G-C ELECTRON TUBE SAVER

**\$3.89**



25-900. Quality electron tube saver especially designed to protect the critical electron tubes in color TV receivers. Rated 250-400 watts. Handles damaging voltage surges to protect tubes in all sorts of electronic devices—radios, TV's, hi-fi systems, etc. Easy to use—can be set up in just a few minutes. Simply plug device to be protected into tube saver; then plug tube saver into outlet. Size, 2 3/4x2 1/2x1 1/4". For 110-120 V, AC or DC. Shpg. wt., 7 oz. . . . . 3.89  
11 C 1211. . . . . 3.89

## PERMA-POWER VOLTAGE REGULATORS

Low **\$8.25**  
As



D200. Automatic voltage regulator maintains normal operating voltage for TV sets, hi-fi systems, similar equipment. Especially useful where line voltage is consistently low. Improves TV reception by eliminating picture shrinkage, flutter and loss of brightness due to low voltage. Automatically boosts voltage 10 volts when AC line voltage goes below 110. 300-watt capacity. Turns on and off with appliance. 4 3/4x4 3/4x2 1/4". 11 C 1224, Shpg. wt., 2 1/2 lbs. . . . . 8.25

## COLOR TV REGULATOR

D210. Same as D200 above, but handles up to 400 watts. Especially recommended for use with color TV. Shpg. wt., 2 1/2 lbs. . . . . 14.25  
11 C 1303. . . . . 14.25

## PERMA-POWER PICTURE TUBE "BRITENERS" FOR LIKE-NEW TV

### FOR BLACK-AND-WHITE TUBES

C-202 AUTOFORMER TYPE. Duodecal Base. Adds life to aging picture tubes when dimness is due to low cathode emission—returns brightness and contrast to picture. For parallel or series sets with black-and-white picture tubes, 8" or larger. Boosts filament power 50%. Does not relieve cathode-filament shorts. Shpg. wt., 8 oz. . . . . 2.20  
11 C 1204. . . . . 2.20

C-212 110° AUTOFORMER TYPE. Button Base. As above, for use with 110° Luton base tubes. Shpg. wt., 8 oz. . . . . 2.20  
11 C 1205. . . . . 2.20

C-301 ISOLATION TYPE. Duodecal Base. Brightens and isolates parallel or series types. Select 6.3 V to relieve cathode-filament shorts; 7.8 V to increase emission. 11 C 1092, Shpg. wt., 10 oz. . . . . 2.62

C-311 ISOLATION TYPE. Button Base. Same as C-301, but for 110° button base tubes. 11 C 1093. . . . . 2.92

### FOR COLOR TUBES

C-501 "COLOR BRITE." Brightens and restores color contrast and quality to aging color TV picture tubes. Increases filament voltage to boost cathode emission for sharper, clearer pictures. Use with 70° round 21" color CRT's. Shpg. wt., 1 lb. . . . . 5.73  
11 C 1227. . . . . 5.73

C-502. Similar to above, but only isolates parallel or series type television sets. For 70° round 21" color picture tubes. Shpg. wt., 1 lb. . . . . 7.25  
11 C 1232. . . . . 7.25

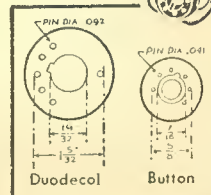
C-511. Extends tube life, brightens pictures. Boosts cathode emission by increasing filament voltage. For series or parallel wired sets using 23" or 25" rectangular color CRT's. Shpg. wt., 1 lb. . . . . 5.73  
11 C 1663. . . . . 5.73

C-512. Similar to C-511 above, but only isolates circuit. Shpg. wt., 1 lb. . . . . 7.25  
11 C 1259. . . . . 7.25

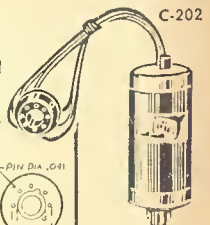
Low As

**\$2.20**

Duodecal  
Button



C-202



Select Proper Type by These Dimensions

No Rewiring—Handy Plug-In Design

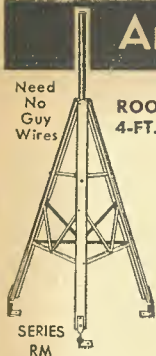
Use Allied's Credit Fund Account for All Your TV Accessories

ALLIED 411



# Antenna Towers and Installation Accessories

Need No Guy Wires



## ROOF-MOUNTING 4-FT. to 8-FT. TOWERS

Low As  
**\$710**

- Fit Any Roof
- Easy to Install
- Long Lasting

Made from Beaded Channel Leg Material

Self-supporting; no guys needed when securely anchored to roof. 3 hinged feet fit any roof; antenna is assembled and "walked-up" into place. Galvanized, beaded steel channel withstands rough weather. Packages include tower with mast and mast kit (RM4 and RM8 less mast). Mast recesses 2 feet into tower. Permit antenna heights of 10 ft., or 14 ft. above roof. Shipped knocked down, assemble quickly and easily. With complete instructions.

- 11 C 2358 ZF, RM4-8, 4-ft. tower, 8-ft. mast, mast kit. 23 lbs. .... 9.48
- 11 C 2359 ZF, RM4, 4-ft. tower, mast kit. 16 lbs. .... 7.10
- 11 C 2364 ZF, RM8-8, 8-ft. tower, 8-ft. mast, mast kit. 35 lbs. .... 15.74
- 11 C 2365 ZF, RM8, 8-ft. tower, mast kit. 28 lbs. .... 13.36

## SPAULDING ANTENNA TOWERS

### CYLINDER-BASE TOWERS—14-FT. to 55-FT. HIGH

Need No Concrete Foundation—Set into Cylinder Base

SERIES XCB. High-strength, self-supporting towers. Assemble on ground or vertically. Special "culvert base" for quick, one-man installation. All-riveted 100% galvanized steel. Top holds any rotor. With base, adjustable hinge feet, 8-ft. mast and factory-assembled 8-ft. tower sections.

Stock No.	Type	Ant. Ht.	Sections	Lbs.	EACH
11 C 2294 ZF	X28CB	23'	2	122	52.50
11 C 2295 ZF	X36CB	31'	3	149	64.95
11 C 2058 ZF	X44CB	39'	4	174	82.95
11 C 2059 ZF	X52CB	47'	5	219	104.95
11 C 1832 ZF	X60CB	55'	6	282	129.95

Low As  
**\$34.95**



Low As  
**\$52.50**

XCB SERIES

### SERIES EP "ECONOMY-PACK" STRATO-TOWERS

Easy to Install on Ground or Roof-Top

Include listed quantity of 8-ft. zinc-plated steel tower sections, ground plate with stakes, 8-ft. mast kit. Mount with house bracket or roof mount (not supplied), below. Require guying if room-mounted or over 16 ft. above house bracket. Includes EP-H1 house bracket below.

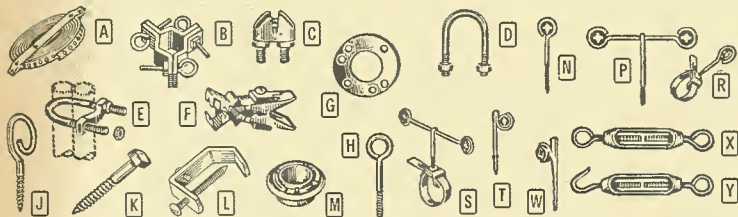
Stock No.	Type	Ant. Ht.	Sections	Lbs.	EACH
11 C 2541 ZF	EP-2	22'	2	51	34.95
11 C 2540 ZF	EP-3	30'	3	71	42.95
11 C 2535 ZF	EP-4	38'	4	90	49.95
11 C 2534 ZF	EP-5	46'	5	109	59.95
11 C 2543 F	EP-R1		Roof Base	2	4.49
11 C 2544 F	EP-H1		House Bracket	5	5.95

EP SERIES



## NOTE

Spaulding towers are shipped truck F.O.B. Frankfort, Indiana, No. C.O.D. orders —send full remittance or use Allied's Credit Fund Plan. Send full shipping address —na Post Office box numbers.



**A HANGER STRAP.** Mounts masts to odd-shaped objects.  $\frac{3}{4}$ " perforated galvanized steel strapping. 12' coil. 1 lb.

11 C 1107. .... Each 69¢

**B RING CLAMP.** Supports guy ring on mast. Corrosion-resistant steel. Provides slip-proof grip. Fits mast up to 2½" diameter. Pkg., 1 lb.

11 C 1369. .... 49¢

**C CABLE CLAMP.** Provides non-slip grip on guy wire ends. Fits cables to  $\frac{3}{16}$ " dia.  $\frac{7}{16}$ " x  $\frac{1}{16}$ ". Pkg., 4 oz. 2 per pkg.

11 C 1404. .... Per Pkg. 43¢

**D U-BOLT.** Galvanized steel. With nuts and washers. Fits masts to 1½" O.D. Pkg. wt., 4 oz. 2 per pkg.

11 C 1122. .... Per Pkg. 25¢

**E MAST CLAMP.** Tight-grip yoke. For 2 masts, max. O.D. 1½" each. Galvanized steel. Pkg., 4 oz. 2 per pkg.

11 C 1123. .... Per Pkg. 59¢

**F ANTENNA CUP.** Clips lead-in to antenna terminals. Pkg., 10 oz. 4 per pkg.

11 C 1405. .... Per Pkg. 55¢

**G GUY RING.** Rests on ring clamp. For 1½" O.D. masts. Pkg., 10 oz. 5 per pkg.

11 C 1124. .... Per Pkg. 75¢

**H CLOSED HOOK EYE.** Anchors guys. 5" long. Pkg., 10 oz. 5 per pkg.

11 C 1126. .... Per Pkg. 39¢

**J OPEN HOOK EYE.** Anchors guy wires securely to roof. Screws into wood. Galvanized steel resists rust, corrosion. Pkg. 10 oz. 5 per pkg.

11 C 1125. .... Per Pkg. 33¢

**K LAG BOLTS.** Made of heavy cadmium-plated steel.  $\frac{1}{4}$ " diameter shank. Bolts rigidly secure mounts, bases, etc. to wood, brick and many other kinds of surfaces. Pkg., 5 oz. 10 per pkg.

11 C 1117, 1½" Long. .... Per Pkg. 53¢

11 C 1118, 2" Long. .... Per Pkg. 55¢

**L GROUND CLAMP.** For secure connection to water pipes up to 1½" dia. Screw terminal for ground wire. Shpg. wt. per pkg., 4 oz. 2 per pkg.

11 C 1433. .... Per Pkg. 35¢

**M ALUMINUM FLOATING GUY RING.** Fastens easily and quickly with set screw. Permits guyed mast to be rotated. Takes 3 or 4 guys on any mast to 1½" outside diameter. Shpg. wt. 8 oz.

11 C 1296. .... Each 1.59

11 C 1311. As above, takes 3 or 4 guys on any mast to 1¾" O.D. Shpg. wt., 9 oz. Each. .... 1.69

**N UNIVERSAL STAND-OFFS.** For any TV antenna lead-in. Polyethylene insulation. Screw-in type. Shpg. wt. per pkg., 10 oz. 5 per pkg.

11 C 1127, 3½" Long. .... Per Pkg. 28¢

11 C 1128, 5½" Long. .... Per Pkg. 33¢

11 C 1129, 7½" Long. .... Per Pkg. 39¢

**P DOUBLE STAND-OFFS.** Wood-screw type hold two leads. For any TV lead-in. Pkg., 10 oz. 5 per pkg.

11 C 1132, 3½" Long. .... Per Pkg. 74¢

11 C 1133, 5½" Long. .... Per Pkg. 82¢

11 C 1134, 7½" Long. .... Per Pkg. 85¢

**R STRAP-TYPE SINGLE STAND-OFFS.** Mount on mast. For any lead-in. Fit up to 3" masts. Pkg. wt., 6 oz. 3 per pkg.

11 C 1137, 3½" Long. .... Per Pkg. 35¢

11 C 1138, 5½" Long. .... Per Pkg. 41¢

11 C 1139, 7½" Long. .... Per Pkg. 44¢

**S STRAP-TYPE DOUBLE STAND-OFFS.** As above, but hold two lead-ins. Clamp up to 3" mast. Pkg., 8 oz. 3 per pkg.

11 C 1135, 3½" Long. .... Per Pkg. 73¢

11 C 1136, 7½" Long. .... Per Pkg. 75¢

**T DRIVE-IN STAND-OFFS.** For all types lead-in. 3½" long. Pkg., 5 oz. 5 per pkg.

11 C 1130. .... Per Pkg. 37¢

**W UNIVERSAL HOT NAIL STAND-OFFS.** For any lead-in. Hold in wood or mortar. No starting hole is needed. 3½" long. Pkg., 4 oz. 5 per pkg.

11 C 1131. .... Per Pkg. 61¢

**CAST ALUMINUM TURNBUCKLES.** Provide easy adjustment of guy-wire tension. Shpg. wt. per pkg. 8 oz. 4 per pkg.

Stock No.	Fig.	Closed	Open	PER PKG.
11 C 1407	Y	5½"	7½"	.69
11 C 1409	Y	7½"	10½"	1.59
11 C 1410	X	5½"	7½"	.69
11 C 1412	X	7½"	10½"	1.59

## COPPERWELD ANTENNA AND GUY WIRE

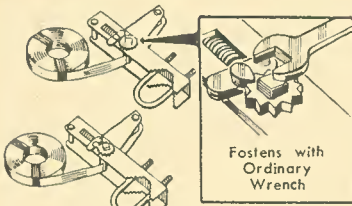
Finest grade high-tensile copper weld wire. For use with antennas or guying antenna towers and masts. Copper outer conductor bonded to a steel core for exceptional strength and durability. 12 to 18 gauge. In 100 ft., 250 ft. and 500 ft. rolls.

Stock No.	Ga.	Ft.	Lbs.	PER ROLL
11 C 1357	12	100	2	2.94
11 C 1358	12	250	5	6.91
11 C 1359	14	100	1½	2.59
11 C 1360	14	250	3	5.51
11 C 1361	18	250	2	1.91
11 C 1362	18	500	3	3.46

# Antenna Installation Mounts and Masting



## CHIMNEY MOUNTS



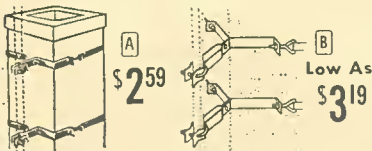
### RATCHET CHIMNEY MOUNT

Low As  
**\$4.19**

- For Masts to 1 1/2" Dia.
- Withstands High Winds
- Stainless Steel Strapping

Extra-rugged chimney mount designed to withstand high winds, adverse weather. Fastens to chimney with wrench. With 12-ft. stainless steel strapping, 2 brackets.

- II C 1322. Wt., 3 1/2 lbs. .... 4.19
- II C 1328. Above, but 18' strap. 4 lb. 4.95



**A** CHIMNEY MOUNT. Sturdy low-cost mount for TV or FM antennas. Has stainless steel strappings. Brackets are heavy-gauge steel, zinc-plated and dichromate-dipped for long life. Easily adjusted for snug, firm grip. For masts to 1 1/4" dia. With two 10-ft. straps, hardware. Wt., 4 lbs.

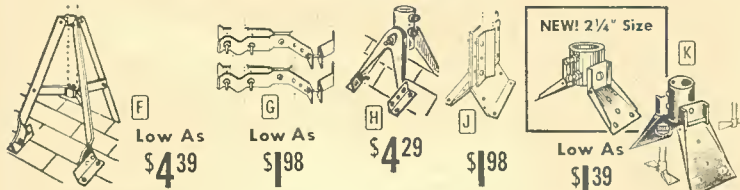
- II C 1113. .... 2.59

**B** SNAP-IN CHIMNEY MOUNT. Fit masts to 1 1/4" O.D. 4" chimney clearance. Steel brackets zinc-plated, dichromate-dipped to protect against corrosion. Simply "snap" mast in place, tighten bolts. With two 12-ft. stainless steel straps. Wt., 4 lbs.

- II C 1242. .... 3.19

II C 1142. As above, but with 3/4" x 36-ft. stainless steel strapping. 4 lbs. .... 3.95

## TRIPODS AND ROOF MOUNTS



**F** ANTENNA BASE. Accepts masts of 10 ft. or more and up to 1 1/2" O.D. Eliminates guy wires in most installations. Set-screws anchor mast and permit orientation. Electro-galvanized and dichromated. 2 ft. high. Shpg. wt., 7 lbs.

- II C 2040 XW ..... 4.39

II C 2043 XW. As above, but 3 ft. high. Shpg. wt., 6 1/2 lbs. .... 4.95

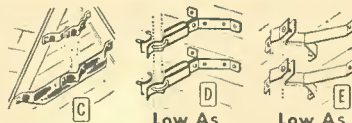
II C 2044 XW. As above, but 5 ft. high. Shpg. wt., 15 lbs. .... 8.29

**G** VENT PIPE MOUNT. For clamping to any pipe or vent from 4" to 6" in diameter. Perfect for antenna installations where chimney is inaccessible. Heavy-gauge steel. For all masts up to 1 1/4" diameter. Zinc-plated, dichromate-dipped for long life. 2 per pkg. Shpg. wt., 3 lbs.

- II C 1351. .... Per Pkg. 1.98

II C 1363. For 2" to 4" vents. Shpg. wt., 3 1/2 lbs. .... Per Pkg. 1.98

## WALL AND EAVE MOUNTS



**C** EAVE MOUNT. For mounting antenna mast on building eaves. 48" lower bracket straddles building. Top bracket mounts on peak. Zinc-plated and dichromate-dipped. For masts to 1 1/4" O.D. 5 1/2 lbs.

- II C 2504 XW ..... 4.95

**D** SNAP-IN WALL MOUNTS. Secure masts to wall. Mast snaps in. Heavy-gauge plated steel. For masts to 1 1/4" O.D. Pkg. of 2.

- II C 1250. 8" from wall. 4 lbs. .... 2.39
- II C 1249. 6" from wall. 2 1/2 lbs. .... 1.59

**HEAVY-DUTY MOUNTS.** Bracket legs 16" apart to match studs of homes. Heavy-gauge steel.

- II C 2130 XW. 24" from Wall. 10 lbs. 4.95
- II C 2129 XW. 18" from Wall. 5 lbs. 3.69
- II C 1256. 12" from Wall. 5 lbs. .... 2.49

**E** CLOSE-WALL MOUNTS. For areas where large clearance is not needed. For masts to 1 1/4" O.D. Heavy-gauge steel.

- II C 1173. 2 1/4" from Wall. 1 lb. .... 99¢
- II C 1215. 4" from Wall. 2 lbs. .... 1.29

### ANTENNA MAST SECTION



Strong, seamless hot-dipped galvanized steel masts with swaged ends and locking joint. 1 1/4" O.D. \*Truck or express only.

Stock No.	Ft.	Gauge	Wt.	EACH
II C 2119 XW	5	18	2 1/4 lbs.	1.05
II C 2121 XW	5	16	2 3/4 lbs.	1.19
II C 2335 ZW	10	18	5 lbs.*	1.89
II C 2122 XW	10	16	7 lbs.*	2.19

### NEW GOLD ENAMEL FINISH MASTS

II C 2107 XW	5	18	2 1/2 lbs.	1.19
II C 2106 XW	5	16	3 lbs.	1.29
II C 2105 ZW	10	18	5 lbs.*	1.98
II C 2104 ZW	10	16	7 lbs.*	2.39

## TELESCOPING TV ANTENNA MASTS

20-Ft. **\$5.95**      50-Ft. **\$16.95**

- Made of High-Carbon Steel Tubing
- Hot-Dipped After Fabrication
- Floating Guy Ring Permits Rotation

**50-FT. MAST.** Heavy-duty for TV (or FM) antenna array. Bolts lock each section in place. Hot-dipped 18-gauge high-carbon steel tubing. Consists of 5 mast sections—O.D.: #1 1 1/4"; #2 1 1/2"; #3 1 3/4"; #4 2"; #5 2 1/4". Hardware. 42 lbs.

- II C 2103 ZW, Truck or Exp. 16.95

**40-FT. MAST.** 4 rugged sections (see sizes listed above); Nos. 1, 2, 3, and 4. Maximum height 40 feet. 32 lbs. Truck or express.

- II C 2102 ZW ..... 12.95

**30-FT. MAST.** Consists of 3 rugged sections; Nos. 1, 2, and 3 described above. Maximum height 30 feet. 22 lbs. Truck or express.

- II C 2101 ZW ..... 8.95

**20-FT. MAST.** 2 sections; Nos. 1 and 2 above. Maximum height, 20 feet. Shpg. wt., 13 lbs. Shipped truck, or express.

- II C 2100 ZW ..... 5.95

## NEW! DRIVE-IN GROUND STAKE FOR TELESCOPING ANTENNA MASTS

**\$1.89** Easy to Install



Sturdy, drive-in type ground mount base. Suitable for use with 20-ft., 30-ft., 40-ft., and 50-ft. masts. Shpg. wt., 5 lbs.

- II C 1013 XW ..... 1.89

### GROUND RODS



Selection of low-cost ground rods. Constructed of moisture-resistant copper-plated steel to assure a low resistance contact with earth. Complete with clamp. With bolt. \*Shipped by truck or express only.

Stock No.	Size	Shpg. Wt.	EACH
II C 2537 XW	4"x3/8"	1 1/2 lbs.	.75
II C 2538 ZW*	6"x3/8"	2 1/4 lbs.	.98
II C 2539 ZW*	8"x1/2"	4 1/4 lbs.	1.98

### GROUND AND GUY WIRE

ALUMINUM GROUND WIRE, No. 8 solid wire. For all grounding applications.

Stock No.	Coil Feet	Wt., Lbs.	EACH
II C 1557	50	1 1/2	.79
II C 1558	100	2 1/4	1.59
II C 1559 W	1000	26	14.95

**NO. 20 GALVANIZED GUY WIRE.** 6-strand wire in 100-ft. or 1000-ft. rolls.

- II C 1560. 100-Ft. Roll. 2 lbs. .... 69¢
- II C 1561 XW. 1000-Ft. Roll. 20 lbs. .... 6.50

**NO. 18 GALVANIZED GUY WIRE.** For heavy-duty use. 100-ft. or 1000-ft. rolls.

- II C 1562. 100-Ft. Roll. 2 1/2 lbs. .... 1.09
- II C 1563 XW. 1000-Ft. Roll. 25 lbs. .... 10.95

**"PLASTIGARD" PLASTIC-COVERED GALVANIZED GUY WIRE.** High tensile strength wire with green transparent jacket. Resists sunlight, corrosion, wind, snow and temperature changes. Heavy-gauge plastic extruded over stranded galvanized steel wire.

- II C 1181 XW. 100-Ft. Roll. 2 1/2 lbs. .... 2.19
- II C 1183 XW. 1000-Ft. Roll. 25 lbs. .... 19.95

Depend on Allied for Complete Stocks, Low Prices, Friendly Service

ALLIED 413



# GC Quality Radio-TV Alignment Tools and Kits

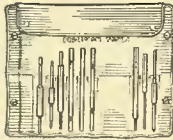


**MODEL 8283 25-PC. ALIGNMENT KIT**

**\$15.83** • 25 Tools in Handy Roll-Up Case  
• Several 9" Long Tools Included  
• For Radio, TV, Communications

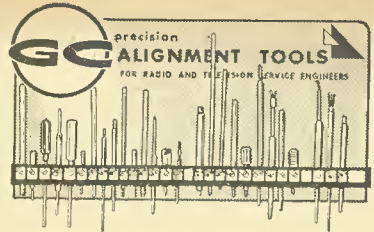
Complete 25-piece alignment tool assortment in a handy roll-up case. Contains alignment and adjustment tools for practically every radio and TV set on the market. Also has tools used on mobile communication, marine and amateur gear. In addition to tools in case, several 9" long tools are furnished separately. Kit includes: K-Tran and IF aligner; alignment screwdrivers of various lengths; long-reach aligner; channel tuner; special short tools; core aligners; duplex aligner; IF and oscillator aligner; alignment wrenches; TV-FM tuners; Zenith-Admiral hex; thin tuning wand; and many more helpful alignment and adjustment tools. Shpg. wt., 1 lb.  
26 C 1001 ..... 15.83

**MODEL 9210 DELUXE 10-PC. CB ALIGNMENT TOOL KIT**



**\$4.89**

Ten of the most useful tools for alignment and adjustment of Citizens Band transceivers, according to a trade publication's nationwide survey. Kit includes: alignment screwdrivers; K-Tran tool; core aligner; universal aligner; tuning wand; TV wrench and aligner; double end core tool; IF core alignment tool. Comes in flexible plastic carrying kit that rolls up for easy, compact storage in your tool caddy. Shpg. wt., 1 lb.  
26 C 1676 ..... 4.89



**MODEL 9200 27-PC. RADIO-TV ALIGNMENT TOOL PANEL KIT**

**\$17.52** • 27 Most Needed Alignment Tools  
• Convenient Wall-Mounting Panel  
• Individually Marked Tool Slots

Convenient wall-mounting panel kit includes 27 of the most often used radio-TV alignment tools. Each tool has an individually marked slot in the sturdy, 3-color panel. Helps you to locate the desired tool immediately. Panel can be conveniently mounted on workshop wall or back of workbench for easy visibility and access. Tools are precision-made of finest materials including low-loss plastics and extra-hard bone fiber; tips are hardened spring steel. Kit includes: alignment screwdrivers of various lengths; special short tools; alignment wrenches; channel tuners; core aligners; oscillator adjustment tools; trimmer and IF aligners; solder probe; nylon replacement tip for long reach aligner; hex tools; and many other useful alignment tools. Size of convenient wall-mounting steel panel for holding tools is 9 3/4" high and 18 3/4" wide. Shpg. wt., 3 lbs.  
26 C 1831 X ..... 17.52

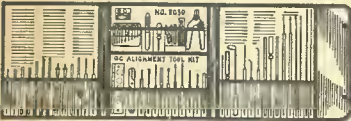
**MODEL 8280 DELUXE 16-PC. TV ALIGNMENT TOOL KIT**



Handy roll-up pouch, made of durable leatherette contains 16 specially engineered television alignment tools. Pouch has fold-over flap to prevent tools from falling out in transit. Kit includes: short alignment tool; 2 aligning wrenches; K-Tran tool; channel tuning tool; TV-FM tuning tool; 2 core aligners; IF and oscillator aligner; all-purpose aligner; long reach aligner; universal aligner; duplex aligner; "shorty" aligner; thin tuning wand; hex wrench. Shpg. wt., 8 oz.  
26 C 1002 ..... 10.30

**NEW**  
**at ALLIED**

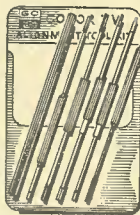
**MODEL 5050 48-PC. ALIGNMENT TOOL KIT**



Complete alignment tool kit featuring every tool needed by the professional serviceman or technician for precision alignment of radios, TV's, hi-fi units, all types of electronic equipment. Includes assortment of special alignment tools designed for Zenith and RCA TV sets; "twin end" TV aligners; alignment screwdrivers; channel tuning tool; capacitor and tuner adjusting tool; contact burnishing tool; service inspection mirror, much more. 45-pieces in all. Tools are in handy three-section pouch with fold over flap and snaps to prevent tools from falling out in transit. Each tool is fully visible in its own slot—easy to remove, easy to replace. All are top-quality G-C tools featuring the finest in functional design and precision construction. Pouch size (folded), 12 3/4 x 1 1/4". Shpg. wt., 4 lbs.  
26 C 1143 X. \$5 Monthly ..... 34.95

**NEW**  
**at ALLIED**

**MODEL 8454 COLOR TV ALIGNMENT TOOL KIT**



8606 8282 9091  
9300 9304 Extend-It  
Extends Reach of Alignment Tools

Handy 7-piece kit features five most-needed alignment tools for color TV, plus "extend-it," a special attachment that makes long-reach aligners out of standard size tools. Includes one each: 8606, 8282, 9091, 9300, 9304 alignment tools; plus "extend-it" and pocket saver pouch. Tools are precision-made, designed for long dependable use. Shpg. wt., 4 oz.  
26 C 1144 ..... 2.49



**MODEL 5040 ALL-PURPOSE ALIGNMENT TOOL KIT**

Convenient general-purpose alignment tool kit offers 12 most-popular tools for alignment of both color and black-and-white TV's. Tools are housed in durable plastic case with transparent front for fast, easy identification. Case rolls up for easy storage in service kit. Tools in kit include: 8729 long reach; 8289 "shorty"; 9050-L Zenith-RCA; 9089 Westinghouse alignment tools; 8276 duplex aligner; 8271 core aligner; 9091 iron-core aligner; 8606 Zenith-Admiral hex wrench; 5097 K-tran tool; 9088 heavy-duty soldering tool; 8607 Delrin long-reach aligner; 8988 "X57" plastic long slim alignment tool. Tools are all precision designed for top performance. Each tool fits neatly into its own slot in pouch for efficient handling. Shpg. wt., 8 lbs.  
26 C 1145 X ..... 8.79

## TOP-QUALITY, PRECISION ALIGNMENT TOOLS FOR EVERY SERVICING NEED

Stock No.	Type	Description	Oz.	EA.
26 C 1021	5000	Alignment screwdriver	3	.41
26 C 3122	5003	RCA coil, pushbutton screwdriver	3	.53
26 C 3123	5004	Delrin all-wave set aligner	3	.48
26 C 1015	5097	K-Tran and IF aligner	3	.76
26 C 1020	8195	Channel tuning tool	3	.71
26 C 2496	8271	Stackpole stud-type core aligner	3	.56
26 C 1014	8275	Zenith universal aligner	3	.50
26 C 1011	8276	Short Duplex aligner	3	.50
26 C 2497	8277	2 5/8" duplex aligner	3	.51
26 C 1013	8282	Zenith .100 hex wrench and aligner	3	.36
26 C 3124	8605	Capacitor/tuner hex and screwdriver	3	.63
26 C 1010	8606	Zenith-Admiral Delrin hex wrench	3	.47
26 C 3125	8721	9" standard/thin stud aligner	3	.78
26 C 1019	8722	7" duplex #4 and #6 stud aligner	3	.65
26 C 1017	8728	12" fiberglass screwdriver	3	.52
26 C 1016	8728A	7" Delrin plastic screwdriver	3	.42

Stock No.	Type	Description	Oz.	EA.
26 C 3655	8867	#4 and #6 I.F. stud aligner	6	1.05
26 C 3656	8868	Dual blade alignment screwdriver	6	1.05
26 C 3657	8869	Double ended hex aligner	6	1.05
26 C 3126	8987	7" blade plastic screwdriver	3	.63
26 C 2499	8988	12" plastic screwdriver	3	.91
26 C 2492	8989	16" blade plastic screwdriver	3	1.20
26 C 1012	9091	.125" hex nylon wrench	3	.47
26 C 1217	9293	12" fiberglass alignment stick	12	.47
26 C 3658	9294	16" fiberglass alignment stick	12	.73
26 C 3128	9295	11" long Delrin .100 hex	3	.63
26 C 1008	9296	11" long nylon .075 hex	4	.62
26 C 3129	9300	.075 hex coil slug and alignment	3	.48
26 C 1164	9302	5 3/8" Magnavox hex core aligner	4	.48
26 C 3130	9380	Hex driver for CTS type controls	3	.75
26 C 3659	9440	Transistor IF core aligner	12	.63

# Chemicals and Servicing Tools



Complete Kit for Quick and Easy Plating

## RAPID ELECTROPLATING KITS

For easy electroplating of small metal objects. Each kit includes: 1-oz. metal cleaner; 1-oz. metal polish plating compound;  $\frac{1}{8}$ " brush; wires and clips; polishing stick. Order batteries, below—uses two No. 6 1½-volt. Shpg. wt., 1 lb.

Stack No.	Type	Compound	EACH
26 C 1076	200	Nickel	2.49
26 C 1077	202	Cadmium	2.49
26 C 1079	204	Copper	2.49
26 C 1080	205	Brass	2.49
26 C 1088	206	Silver	3.19
26 C 1089	207	24K Gold	5.29

18 C 5641. Batteries, Wt., 2 lbs., Each 91¢

**A** G-C 8890 COLOR CLEAR COLOR TV TUBE CLEANER. Stops dirt and dust buildup—keeps picture tubes sparkling clear. Acts as anti-static agent—prevents electrostatic dust accumulation. 8-oz. spray can. Shpg. wt., 10 oz. 26 C 1120.....99¢



**B** CHEMTRONICS ALL-PURPOSE GLUE. Strong, fast-drying glue for plastics, wood, metals, paper, repairing and reeving speakers, voice coils and spiders. 2-oz. bottle. Shpg. wt., 4 oz. 26 C 2783.....48¢



**C** CHEMTRONICS "TUN-O-LUBE" TUNER CLEANER. An activated TV tuner cleaner used by servicemen to clean and lubricate all types of tuners. Helps quiet noise caused by dirty contacts. 8-oz. spray can. Shpg. wt., 1 lb. 26 C 2270.....1.69



**D** QUIETROLE CLEANER. Cleans controls, switches, relays and other devices. Eliminates noise. With dropper applicator. 2-oz. bottle. Shpg. wt., 4 oz. 26 C 1D90.....1.69



**E** G-C "SUPER GRIP" EPOXY GLUE. Used by NASA. Won't shrink or expand. Resists acids, alkali, grease, gas, water, etc. High electrical resistance. Hardens in 2-4 hours at room temp. Kit of 2-tubes (approx. 4 oz.). Shpg. wt., 6 oz. 26 C 3650.....2.50



**F** "NO NOISE" CONTACT RESTORER. Cleans, lubricates and restores volume controls, band switches, relays. Won't harm precious metals. Does not change capacities. 6-oz. spray can. Shpg. wt., 8 oz. 26 C 3651.....2.25



**G** CHEMTRONICS COLOR LUBE. Color TV tuner cleaner. Perfectly safe for any color TV. Will not detune tuners. Cleans, lubricates in one operation. Safe for plastics. Non-flammable. 8-oz. spray can. Wt., 10 oz. 26 C 3652.....2.39



**H** "NO NOISE" TUNER CLEANER. Cleans and lubricates TV tuner controls, contacts and switches. Eliminates noise caused by dirty components. Spray can contains 6 fluid oz. Shpg. wt., 14 oz. 26 C 2397.....2.20



**J** G-C "SPRA-KLEEN" CONTACT CLEANER. Lubricates contacts, controls, relays, switches. Stops volume control noise. No harsh solvents, won't harm plastic. 6-oz. spray can. Shpg. wt., 10 oz. 26 C 1075.....97¢



**K** G-C 8670 "JIF" CONTACT AND CONTROL CLEANER. Cleans and lubricates contacts, controls, switches. Eliminates noise caused by dust. Contains silicone for effectiveness. Non-flammable. 6-oz. spray can. Shpg. wt., 10 oz. 26 C 3133.....1.79



JET-PAK  
SPRAY  
OUTFIT  
\$1.98



Sprays up to 32 oz. of any liquid. Uses gas power-cartridge. Includes head assembly, 4-oz. glass jar, 15-oz. power unit. Shpg. wt., 1½ lbs.

26 C 1638.....1.98  
26 C 1640, 15-oz. Power Unit, 1 lb...1.20  
26 C 1642, Extra Jar, 5 oz.....1.3¢

**L** GC 8682 "RELAY KLEEN" CONTACT CLEANER. For cleaning relays and contacts. Also a good solvent for all electrical and mechanical equipment. Non-flammable, no residue. With pin-point spray extension for hard-to-reach places. 6-oz. spray can. Shpg. wt., 14 oz. 26 C 3131.....1.89



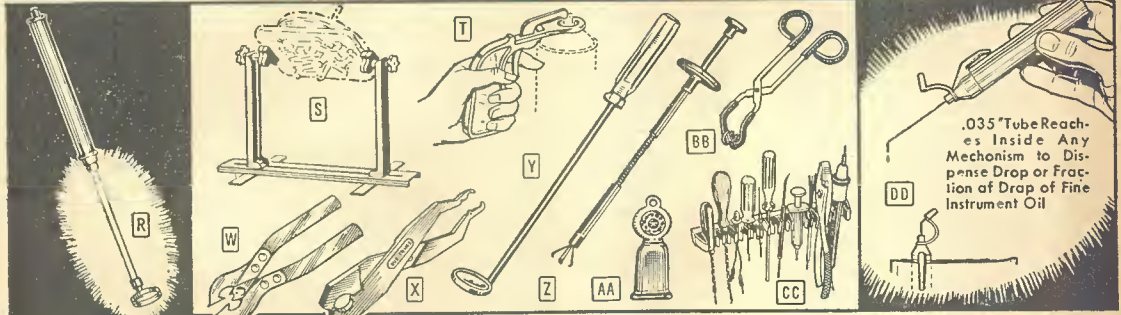
**M** G-C 8678 "DRI-SPRA." Cleans and lubricates, prevents rust and corrosion. Use wherever moisture could cause a problem—motors, switches, contacts, etc. Keeps components dry—prevents electrical failures. 6-oz. spray can. Shpg. wt., 10 oz. 26 C 1125.....1.79



**N** G-C 8668 "FREEZE MIST" CIRCUIT COOLER. Cools components so you can spot bad capacitors and transistors, oxidized joints. With pinpoint spray extension for hard-to-reach places. 6-oz. spray can. Shpg. wt., 10 oz. 26 C 3134.....1.26



**P** G-C 8888 "SPRA-LUBE" COLOR-TV TUNER CLEANER. Prevents drift in color TV tuners. Cleans oxidation and dust, leaving a light coating for lubrication. With pinpoint extension spray. 8-oz. spray can. Shpg. wt., 12 oz. 26 C 3135.....1.95



**R** G-C 8725 ILLUMINATED INSPECTION MIRROR. Anod. alum.; 6" lucite rod, 1" hinged mirror. Less night cells. 12¼". 6 oz. 26 C 1007.....1.97  
18 C 5870. Burgess "Z" Cell. 1½-volt cell for above. Uses two. 3 oz....Pkg. of 2 for 20¢

**S** G-C S212 CHASSIS CRADLE. Rotates 360° to lock radio or TV chassis at best working angle. Makes any part of chassis easily accessible. 14" high, adjustable to 24" wide. 12½" deep. Shpg. wt., 7 lbs. 26 C 3710 X.....7.95

**T** G-C 5900 SPRAY CAN HANDLE. Converts any spray can to spray gun. Keeps hands clean; eliminates hand fatigue. 2 oz. 26 C 1178.....48¢

**W** G-C 8872 C-RING TOOL. Removes, inserts "C" washers, retainers. 2 oz. 26 C 1253.....1.84

**X** G-C 9356 FUSE PULLERS. Nylon tongs at each end for miniature and industrial fuses, from  $\frac{3}{16}$ " to 1" dia. Also fits domestic screw-in type. Shpg. wt., 1 oz. 26 C 1177.....87¢

**Y** G-C S090 INSPECTION MIRROR. For inspection of hard-to-reach chassis parts, 1" diameter mirror with 7¾" shaft. Shpg. wt., 5 oz. 26 C 1006.....41¢

**Z** G-C S089 PICKUP TOOL. Push button to open claws—release to close. Flexible 14" shaft. Shpg. wt., 4 oz. 26 C 1741.....1.15

**AA** G-C 9130 TUBE GADGET. 3 tools in one. Straightens 7 or 9-pin miniature tube pins; also can be used for pulling tubes. Shpg. wt., 3 oz. 26 C 1003.....1.65

**BB** G-C HOT TUBE PULLERS. Puts an end to burned fingers and dropped tubes. Special plastic coating insulates handles and tips—assures firm, cool grip. Straight model for open work. Right angle model for tight or enclosed areas. 26 C 3653, Straight Model, 6 oz.....1.73  
26 C 3654, Right Angle Model, 6 oz.....1.88

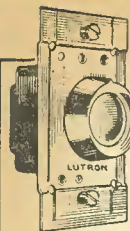
**CC** G-C 9S2S TOOL CADDY. Holds 12 tools, all sizes and shapes, with spring-locked brackets. 10¾" wide. Less tools.  $\frac{3}{4}$  lb. 26 C 1254.....1.57

**DD** WALSCO REACH-ALL PEN OILER. Pocket size precision instrument oiler. Has .035" stainless steel tube that extends up to 9½"; lubricates hard-to-reach spots without disassembly. Dispenses drop or fraction of drop of fine oil. Transparent, refillable container comes filled. 5" long. Pocket clip, tube guard. Shpg. wt., 3 oz. 26 C 1165.....89¢



# Electrical Accessories for Home and Shop

## LUTRON SOLID-STATE LIGHT DIMMERS



Replaces Standard  
2-Way Light Switch

**\$5.98** Saves  
Bulbs



Dims One  
or More  
Lamps,  
Up to  
600 W



Lets you adjust intensity of light to fit every requirement. Adjust for reading, TV watching, to provide a party atmosphere, etc. Simply turn the knob for desired light level. Push the knob to turn lights on or off; does not disturb intensity setting. Easy to install; replaces any standard 2-way light switch. Controls up to 600 watts of incandescent lighting. Must be used with a minimum of 100 watts. Solid-state design assures long life and top performance. Silicon transistors withstand high current and inverse voltage surges. Shpg. wt., 1/2 lb.

- 26 C 1510..... 5.98
- 3-WAY ELECTRONIC DIMMER CONTROL, Same features as above, but replaces 3-way switch. Wt., 1/2 lb.
- 26 C 3013..... 11.95

## FINGERTIP REMOTE CONTROL

Flatter your rooms with the soft glow of muted light. Decorator-styled Lutron Dim-liter lets you decorate with light. You can brighten a corner, dramatize a furniture grouping, or highlight a painting by dimming or raising the light-level at will. For use in living room, dining room, den, bedroom, nursery, dinette, office, anywhere! Gives you continuous control of one or more lamps, up to 600 watts, incandescent. Saves electricity, too. A concealed glow-light helps you find switch in dark. Cork bottom protects furniture finish. 6' cord with plug. Use multiple-plug to control more than one lamp. 117 VAC. Wt., 1 1/2 lbs.

- 26 C 3752..... 9.95

## EAGLE "LIGHT-A-MATIC" LIGHT CONTROLS



**INDOOR UNIT.** Turns on lights at dusk and shuts them off at dawn. Place control facing outdoor natural light, plug it into outlet, and plug lamps into unit. Sealed case, 2 5/8x1 3/4x1 3/8", 8-ft. cord, plug. 875 W incandescent or 500 W fluorescent. 110-125 V, 50-60 Hz AC. Shpg. wt., 1 lb.

- 26 C 1839..... 5.95



**OUTDOOR UNIT.** Converts outdoor lights to automatic ON at dusk and OFF at dawn operation. Mounts through 1 1/8" or 7/8" hole in post, porch, or patio light. With matching locknuts, neoprene grommet, and three stripped 8" leads. 1 3/4" dia., 3/4" wide; shank 2 1/2" dia., 1 3/8" long. 300 W incandescent; 120 VAC.

- 26 C 3672. Shpg. wt., 8 oz..... 6.98

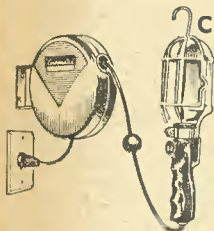
## CORDOMATIC

HANDY-LITE REEL

Model 500

**\$7.95**

Complete



- For Homes, Workshops, Garages
- Retractable 20' Heavy-Duty Cord

Light, cord, and reel gives plenty of light for workshops and garages. 20' heavy-duty cord pulls out easily, locks, and retracts automatically. Gravity locking permits fingertip control at any length. Reel can be wall-mounted for 180° free swivel or ceiling-mounted for 360° swivel. Outlet in handle for power tools, etc. Hardware for wall or ceiling mounting. 110-120 volt, 60 Hz AC. 26 C 3190, Wt., 3 3/4 lbs..... 7.95

26 C 3191, Model 500G. Above, with 3-wire grounded outlet..... 9.95

## TROUBLE-LAMP BARGAINS

Extend light and power. Heavy-duty insulated cable. Hard-rubber handle houses switch and 2 outlets. Supply up to 600 watts (including power for bulb) at 110-125 V, AC-DC. Less bulb. Av. shpg. wt., 3 lbs.

- 26 C 1947. Lamp with 50' Extension Cable ..... 2.29
- 26 C 1946. Lamp with 25' Extension Cable ..... 1.69



## CLAMP-ON UTILITY LIGHT

Convenient, portable light can be used anywhere. Clamps on chair, bed, post, etc. Vinyl-covered, heavy-duty clamp won't mar finishes. Also handy for workshops and display lighting in stores. Socket on swivel; can be adjusted to any angle; throws light where you want it. Less bulb. Shpg. wt., 1 lb.



- 26 C 2585 ..... 1.19



## A VINYL EXTENSION CORDS

Have vinyl plug on one end and flat vinyl 3-way receptacle on other. Vinyl-covered No. 18 wire.

Stock No.	Ft.	Color	Wt.	EACH
26 C 2232	9	Brown	4 oz.	.41
26 C 2233	9	Ivory	4 oz.	.43
26 C 2230	6	Brown	3 oz.	.33
26 C 2231	6	Ivory	3 oz.	.36

## B TV LINE CORD

Cheater-type TV line cord. 6', 2-conductor, brown vinyl-covered cord with plastic plug. Shpg. wt., 1 lb.

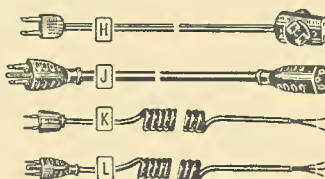
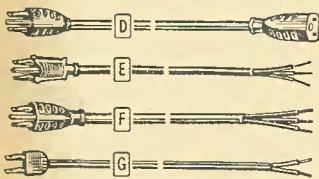
- 26 C 1944 ..... 37¢

## C REPLACEMENT CORDS

6', plastic, plug, end-stripped. 10 oz.

- 26 C 2551, Ivory ..... 21¢
- 26 C 2550, Brown ..... 21¢
- 26 C 2020, Black ..... 21¢

## BELDEN ELECTRICAL CORDS



## D QUALITY HEAVY-DUTY EXTENSION CORDS

Have molded 3-prong plug at one end and molded 3-prong receptacle at other end. 3-conductors. Yellow vinyl cover. U.L. Listed. \*In table indicates gauge.

Stock No.	Mfr's Type	Ft.	*	Lbs.	EACH	
					1-9	10-Up
26 C 2181	17491	25	18	2 1/2	2.32	2.07
26 C 2182 X	17492	50	18	3 3/4	4.26	3.80
26 C 2183 X	17493	100	18	7	7.76	6.94
26 C 2184	17494	25	16	3	2.72	2.43
26 C 2185 X	17495	50	16	4 1/2	5.36	4.79
26 C 2186 X	17497	100	16	11	9.60	8.50
26 C 2187	17694	25	14	5 1/2	5.70	5.09
26 C 2188 X	17695	50	14	10	10.02	8.95
26 C 2189 X	17697	100	14	19 1/2	18.32	16.37

## 3-CONDUCTOR CORDS

Types 17236, 17238 and 17237 are for small tools, business machines, instruments. Others for sanders, grinders, saws, polishers requiring grounding. \*Gauge. Black except gray. Letters in Type No. indicate cordage. U.L. Listed. Av. shpg. wt., 8 oz.

Stock No.	Mfr's Type	Fig.	Ft.	*	EACH	
					1-9	10-Up
26 C 2872	17236-SV	E	6	18	.76	.69
26 C 2873	17238-SV	E	8	18	.88	.79
26 C 2874	17237-SVT	E	6	18	.69	.61
26 C 1930	17408-SJ	F	8	18	.94	.84
26 C 2875	17407-SJT	F	8	18	.86	.77
26 C 2876	17409-SJO	F	8	18	.86	.77
26 C 2877	17419-SJ	F	9	16	1.25	1.12

## 2-CONDUCTOR VINYL LINE CORDS

Type 17106, 17109 for lamps, radios, small appliances. Molded plug one end; other end stripped. Type 17156 is a 3-way cube tap cord. All are brown. Letters in Type No. indicate cordage. \*Gauge. U.L. Listed. Av. shpg. wt., 4 oz.

Stock No.	Mfr's Type	Fig.	Ft.	*	EACH	
					1-9	10-Up
26 C 2854	17106-SPT	G	6	18	.35	.31
26 C 2855	17109-SPT	G	9	18	.45	.40
26 C 2856	17156-SPT	H	6	18	.46	.41

## 3-CONDUCTOR POWER CORDS

For electrical equipment having a built-in receptacle with blades and grounding pin. Can also be used as extension cord with devices requiring ground. Black rubber with vinyl connectors. U.L. Listed. Wt., 2 lbs.

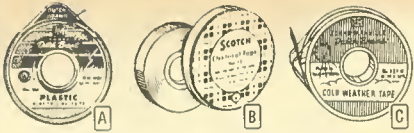
Stock No.	Mfr's Type	Fig.	Ft.	*	EACH	
26 C 2895	17460	J	10	18	1.30	1.16
26 C 2896	17461	J	10	16	1.49	1.33

## RETRACTABLE POWER CABLES

Stay neat... allow free movement of appliance or tool. 6-ft. length retracts to 12", 12-ft. to 24". Black. U.L. Listed. Letters in Type No. indicate cordage. Av. wt., 1 lb.

Stock No.	Mfr's Type	Fig.	Ft.	*	EACH	
26 C 2878	17249-SVO	K	6	18	1.23	1.10
26 C 2879	17447-SJO	L	6	18	2.61	1.44
26 C 2880	17449-SJO	L	12	16	2.61	2.33

# Electrical Accessories for Home and Shop



## A C DUTCH PLASTIC ELECTRICAL TAPE

Strong black vinyl. A-7, .007"; 130, .010"; 167, .0085", usable—10° F to +176° F, 6 oz.

- 26 C 3614, Type A-7, 3/4"x44"..... Per Roll 80¢
- 26 C 3623, Type 130, 1/2"x108"..... Per Roll 1.56
- 26 C 3671, Type 167, 3/4"x60"..... Per Roll 1.24

## DUTCH FRICTION ELECTRICAL TAPE

Tough fabric base. Sticks tight, protects against wear or weather. Resists 1800 V, 7 oz.

- 26 C 2486, No. 4, 3/4"x30"..... Per Roll 26¢
- 26 C 3612, No. 8, 3/4"x60"..... Per Roll 53¢
- 26 C 362D, D48200, 3/4"x60"..... Per Roll 25¢

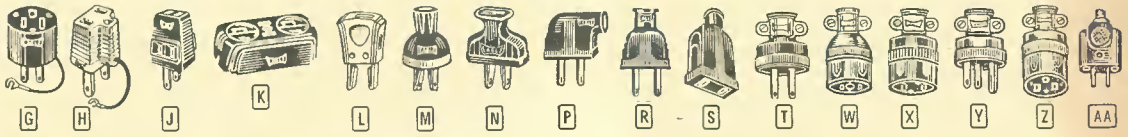
## B SCOTCH PLASTIC ELECTRICAL TAPE

Black pressure-sensitive vinyl plastic. No. 33, .007"; No. 88, .0085", all-weather tape, 6 oz.

- 26 C 3699, No. 33, 3/4"x44"..... Per Roll 94¢
- 26 C 2512, No. 33, 3/4"x66"..... Per Roll 1.39
- 26 C 37DD, No. 88, 3/4"x66"..... Per Roll 1.62

## EAGLE SWITCHES AND RECEPTACLES

- D** QUIET SWITCH, 15 A, 120 VAC, U.L. Listed, C.S.A. Approved. Shpg. wt., 4 oz.
  - 26 C 2528, Brown—Single Pole... 39¢
  - 26 C 2529, Ivory—Single Pole... 43¢
  - 26 C 3000, Brown—3-Way... 65¢
  - 26 C 3001, Ivory—3-Way... 69¢
- E** 3-WIRE DUPLEX RECEPTACLE, 15 A, 125 V, U.L. Listed. Screw, press terminals. Shpg. wt., 4 oz.
  - 26 C 3006, Brown... 34¢
  - 26 C 3007, Ivory... 38¢
- F** DUPLEX FLUSH WALL RECEPTACLE, 15 A, 125 V, U.L. Listed, 4 oz.
  - 26 C 3008, Brown... 23¢
  - 26 C 3009, Ivory... 27¢



## VALUES IN SELECTED ELECTRICAL WIRING ACCESSORIES FOR THE HOME

- G** EAGLE BAKELITE GROUND ADAPTER. Heavy duty double wire contacts. For connecting 2-wire system to 3-wire parallel blade and U-ground. 3/4" grounding lead. U.L. Listed. 15 amp @ 125 V, 2 oz. 26 C 3669..... 28¢
- H** EAGLE PARALLEL GROUND ADAPTER. Gray vinyl; will not crack. Double wire contacts. Connects 2-wire system to 3-wire parallel U-ground. Duplex receptacle accepts two. Grounding lug with "C" lug. U.L. Listed. 15 amp @ 125 V, 2 oz. 26 C 3729..... 23¢
- J** EAGLE VINYL CUBE TAP, 3 easy-to-get-at outlets. Brass spring prongs. 15 amp @ 125 V, U.L. Listed, 2 oz. 26 C 3724..... 22¢
- K** EAGLE BAKELITE TRI TAP, 3 taps. 15 amp @ 125 V, U.L. Listed, 2 oz. 26 C 2545..... 23¢
- L** EAGLE JIFFY PUSH-PULL PLUG. With brass spring prongs. 15 amp @ 125 V, U.L. Listed. Shpg. wt., 2 oz. 26 C 2542..... 9¢
- M** EAGLE FLEXIBLE SPRING PRONG RUBBER HANDLE CAP, 15 amp @ 125 V, U.L. Listed. With fibre washers. 2 per pkg. Shpg. wt., 2 oz. 26 C 3721..... Pkg. of 2 for 25¢

- N** EAGLE FLAT BAKELITE HANDLE CAP. Brass spring prongs. U.L. Listed. 15 amp @ 125 V, Pkg. of 2, 4 oz. 26 C 3723..... Pkg. of 2 for 23¢
- P** EAGLE FLAT RUBBER CAP WITH SIDE OUTLET. With brass prongs. Wiring completely enclosed. 15 amp @ 125 V, U.L. Listed, 4 oz. 26 C 3722..... Pkg. of 2 for 33¢
- R** EAGLE FLAT RUBBER CAP. Binding screws won't touch even when stepped on. Brass prongs. 15 amp @ 125 V. Use with Figs. R and S. U.L. Listed, 4 oz. 26 C 3725..... Pkg. of 2 for 29¢
- S** EAGLE FLAT RUBBER CORD CONNECTOR. Female contacts. 15 amp @ 125 V, U.L. Listed, 2 oz. 26 C 3727..... 38¢

- T** EAGLE LARGE RUBBER HANDLE CAP 15 A @ 125 V, U.L. Listed, 2 oz. 26 C 3728..... 23¢
- W** EAGLE RUBBER CORD CONNECTOR, 15 A @ 125 V, U.L. Listed, 2 oz. 26 C 36D3..... 35¢
- X** EAGLE RUBBER CONNECTOR, 15 A @ 125 V, U.L. Listed, 2 oz. 26 C 3726..... 38¢
- Y** EAGLE PARALLEL GROUND RUBBER HANDLE CAP, 15 A @ 125 V, 2 oz. 26 C 3717, U.L. Listed..... 45¢
- Z** EAGLE PARALLEL GROUND RUBBER CONNECTOR, 15 A @ 125 V, 2 oz. 26 C 3718, U.L. Listed..... 89¢
- AA** FUSED PLUG. Takes 2-3AG fuses (not supplied.) U.L. Listed, 3 oz. 26 C 3648..... 37¢

- BB** INSULATED COPPER STAPLES. For holding wiring in place. Off-white insulation. Boxes of 50, 7 oz. 26 C 1914, 3/16"x1/2". Box of 50 for 21¢ 26 C 1915, 3/16"x3/4". Box of 50 for 21¢
  - CC** G-C CABLE CLAMPS. Nickel-plated. #6 mtg. hole. 25 per pkg. except #20, #15 per pkg. 4 oz.
- | Stock No. | Type   | Fit           | PKG. |
|-----------|--------|---------------|------|
| 26 C 2215 | HS02F  | 1/8" to 3/16" | .36  |
| 26 C 2216 | HS03F* | 3/16" to 1/4" | .36  |
| 26 C 2217 | 272431 | 1/8" to 3/16" | .36  |
| 26 C 2218 | HS06F† | 3/16" to 1/2" | .36  |

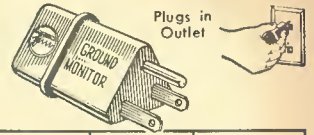
**DD** PHENOLIC-TYPE SOLDERLESS WIRE CONNECTORS. Extremely handy; requires no tools; all you have to do is strip two ends, push them into connector, and screw cap down. Wire cannot be pulled out after being inserted into connector. U.L. Listed. Av. shpg. wt., pkg. of 2, 4 oz.

Wire Size	Stock No.	PKG. OF 12
16-1B	26 C 37D1	.15
14-1B	26 C 37D2	.19
12-1B	26 C 37D3	.28

## NEW at ALLIED DEARBORN 3-WIRE GROUND AND POLARITY TESTER

\$5.95 • Quick, Easy Test • Assures Your Safety

"CIRCUIT GUARD." Tests for proper ground and polarity at 115-V 3-wire power outlets. Lights indicate Circuit OK, Improper Ground, Improper Neutral, Reversed Polarity, Reversed Ground and Power, No Power. Assures safe operation of 3-wire equipment. Checks frame ground of travel trailers. Wt., 8 oz. 26 C 3670..... 5.95



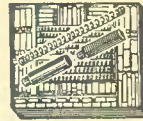
## POCKET-TYPE FUSE PULLER



EAGLE 642. Replace cartridge fuses safely and easily. Completely insulates you from power line. Rated 200A at 250 V, 100 A at 600 V. Five-lamination construction for strength and durability. Special blade clamp for adjusting fuse clips that have spread. 1 3/8"x7 1/2". 26 C 3673. Shpg. wt., 3 oz..... 79¢

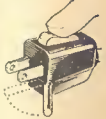
## CARBON MOTOR-BRUSH KIT

EAGLE 526. Assortment of 104 carbon brushes and 15 copper springs. Exact replacement in a wide variety of vacuum cleaners, appliances and other fractional horsepower motors. 26 C 3674. Shpg. wt., 1 lb..... 4.98



## DEFLEX GROUNDING PLUG

- Fits 2 and 3-hole outlets
- No Adapter Ever Needed
- Button Converts Plug



Convertible grounding plug allows you to operate 3-wire appliances from 2 or 3-hole outlets. Yellow button on plug deflects grounding blade for 2-hole outlets. Tension spring holds grounding blade against metal faceplate. 26 C 3D66. Shpg. wt., 3 oz..... 79¢

## EAGLE "DETECTO-LITE" TESTER



Tests power lines from 90 to 600 volts. Burns dim on low voltage, brighter on higher voltage. Both electrodes glow on AC, one electrode on DC. Flash frequency indicates 60 or 30-Hz line. Detects live or ground wire, using one lead. With safety pocket clip. 26 C 3688. Shpg. wt., 3 oz..... 44¢





### GENERAL-PURPOSE REPLACEMENT SPEAKERS

- For Universal Replacement Use
- Ruggedly Constructed
- Built to EIA Standard Dimensions
- Precision-Centered Elements
- Rigid Frame Assures Alignment
- Dust-proofed Coils

Top-quality permanent magnet speakers at very low prices. Designed for replacement use in all types of music systems, or with new equipment. Ruggedly constructed throughout—to exacting EIA standards. Rigid frame assures permanent alignment of parts, assures longer service, better reproduction. Magnet and voice coil are precision centered for efficient, distortion-free sound. Dust-proofed coils for longer life and reliability. Impedance, 3.2 ohms, except †, which indicates 8 ohms impedance. \*Indicates extended-range speaker. PC indicates pincushion shaped basket.

Stock No.	Size	Shape	Mag. Oz.	Max. Watts	Wt., Lbs.	EACH
16 C 3476	4"	Square	.68	3.0	1/2	1.59
16 C 3477	5"	PC	.68	3.5	3/4	1.89
16 C 3472	5x7"	Oval	1.0	5.0	1	2.39
16 C 3471	6x9"	Oval	1.47	8.0	1 1/4	2.69
16 C 3493	*6x9"	Oval	1.47	8.0	1 1/4	2.89
16 C 3416	16x9"	Oval	1.47	8.0	1 1/4	2.79
16 C 3470	8"	PC	2.15	9.0	1 1/2	2.79
16 C 3542	18"	PC	2.15	9.0	1 1/2	2.79
16 C 3529 X	12"	Round	3.16	10.0	3 3/4	4.99

### LOW-COST EXTENDED-RANGE COAXIAL SPEAKERS

These Two-Way Speakers Offer Top-Dollar Value



Ideal for use in low-cost music systems or as extension speakers. Provide clear highs and smooth, undistorted lows. Feature heavy-duty 1" voice coils, except 6x9" size, 3/4". Impedance, 8 ohms.

- 16 C 3553 X, 15" Coaxial Speaker. Woofer has 10-oz. Alnico V magnet; 5" tweeter has 1.47-oz. magnet. 40-16,000 Hz response, crossover at 1800 Hz. Power cap, 20 watts. Wt., 8 lbs..... 14.95
- 16 C 3551 X, 12" Coaxial Speaker. Woofer has 6-oz. magnet; 4" tweeter has .68-oz. magnet. 50-13,000 Hz response, crossover at 2500 Hz. Power capacity, 15 watts. Shpg. wt., 5 lbs..... 8.95
- 16 C 3552, 8" Coaxial Speaker. Woofer has 3-oz. magnet, tweeter has .68-oz. magnet. 50-13,000 Hz response, crossover at 3000 Hz. Power capacity, 9 watts. Shpg. wt., 6 lbs..... 6.95
- 16 C 3554, 6x9" Coaxial Speaker. Oval speaker with 3-oz. magnet. 3" tweeter has .68-oz. magnet. 50-15,000 response, crossover at 3000 Hz. Power capacity, 8 watts. Shpg. wt., 1 1/2 lbs..... 6.95

### 2x6" COMPRESSION TWEETER



Efficient design provides wide-angle dispersion for good sound reproduction. Built-in crossover capacitor simplifies installation. Response: 2000-18,000 Hz. Employs 1.4-oz. magnet, with 3/4" voice coil. Power capacity, 30 watts. Impedance, 8 ohms. Shpg. wt., 1 1/4 lbs.

16 C 3539..... 6.95

### 4x10" MIDRANGE HORN

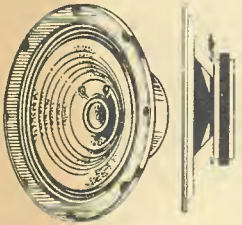


Die-cast midrange horn for replacement use or modernization of existing equipment. Adds startling realism to most speaker systems. Reinforces middle-range frequencies for fuller, richer sound. High sensitivity for increased "presence," wide dispersion angle for uniform distribution. Frequency response: 600-12,000 Hz. Handles 30-watt program peaks with proper crossover. Mounting flange, 10 1/2 x 3 1/4". Depth 11". 8 ohms impedance. Complete with capacitor crossover. Shpg. wt., 3 lbs.

16 C 3540..... 7.95

**NEW!**

### TOP-VALUE PRECISION-BUILT HEAVY-DUTY REPLACEMENT SPEAKERS



- Constructed with Heavy Ceramic Magnet Assemblies
- Moisture-Resistant Cone
- Rigid, Extra-Strong Frame
- Rugged, Baked Enamel Finish
- Wide Variety of Applications
- Built for Continuous Service
- Epoxy Bands Between Cones and Voice Coils

Allied's own Lincoln brand of high-quality permanent-magnet replacement speakers at exceptionally low cost. Specially designed for a wide variety of uses including replacement of speakers in original equipment such as radios, public address systems, intercom systems, extension speakers, or even low-cost stereo music systems in rumpus or playroom.

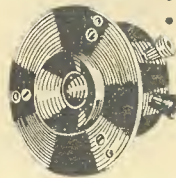
Precision-built throughout for years of rugged and continuous service. All have large precision-centered magnets and voice coils for better tonal quality with plenty of power handling capacity. Mount easily in hard-to-get-at locations such as wall, ceiling, narrow speaker baffles or other speaker enclosures. Perfect for space-saving custom installations.

Cone is specially treated with a moisture-resistant formula to prolong speaker life even in damp locations. Rigid frame assures permanent alignment of voice coil and other moving elements. Universal 8-ohm impedance matches most music system amplifiers. Finished in rugged, baked-on enamel. PC, pincushion shape.

Stock No.	Type	Size	Shape	Magnet Oz.	Shpg. Wt.	EACH
16 C 3404	4BC	4"	Square	1.0	3/4 lb.	4.75
16 C 3408	5BC	5"	PC	1.0	3/4 lb.	4.95
16 C 3409	6EC	6"	PC	3.0	1 lb.	5.50
16 C 3410	8FC	8"	PC	5.5	1 3/4 lbs.	5.95
16 C 3411 X	12JC	12"	Round	10.0	3 3/4 lbs.	9.95
16 C 3412	57EC	5x7"	Oval	3.0	1 1/4 lbs.	5.50
16 C 3413	69JC	6x9"	Oval	10.0	2 1/2 lbs.	6.95

**NEW!**

### VERSATILE COMPRESSION TWEETER HORN



- Extends Speaker Range to 19,000 Hz
- Compression Molded Cyclocac® Horn

T-308. Improve speaker response in your music system at lowest possible cost. 3 1/2" tweeter increases range of present speaker to 19,000 Hz. Recommended crossover frequency, 4500 Hz. Spring-loaded terminals are color coded for easy phasing. Impedance, 8 ohms. Shpg. wt., 1 lb.

16 C 3418..... 8.95

**NEW!**

### LOW-COST EXTENDED-RANGE DUAL-CONE SPEAKERS



6x9" Speaker



8" Speaker

12" Speaker



- Heavy-Duty Voice Coil for Reliability
- Separate VHF Cones Extend Highs
- Rigid Frame Assures Alignment

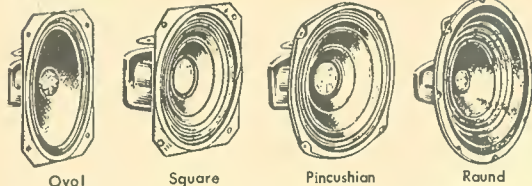
Perfect for extension speakers or for low-cost music systems for family or play room. Offers extended response with clear highs and smooth low frequencies. Whizzer cone acts to reinforce higher frequencies. Rigid frame assures alignment of voice coil and other moving elements. Internal dust cap protects heavy-duty voice coil—extends life of speaker. Husky ceramic magnet drives dual-cone. Impedance, 8 ohms.

Stock No.	Type	Size	Shape	Mag. Oz.	Wt., lbs.	EACH
16 C 3419	57EC-W	5x7"	Oval	3.0	1 1/4	3.95
16 C 3423	69JC-W	6x9"	Oval	10.0	2 1/2	5.49
16 C 3428	8JC-W	8"	Round	10.0	2 3/4	5.49
16 C 3431 X	12JC-W	12"	Round	10.0	4	7.45

# Speakers by Quam, Utah and Misco

BUY TWO AND SAVE 10%

## QUAM GENERAL-PURPOSE REPLACEMENT SPEAKERS



Oval Square Pincushion Round

Have Alnico V magnets, baked-enamel finish. \*Very shallow frame. Impedance: 3.2 ohms, except †8 ohms; ‡8-10 ohms; §12 ohms; #100 ohms. "PC" in table is pincushion design.

Stock No.	Mfr's Type	Shape	Size	Cap. W	Mag. Oz.	Wt. Lbs.	EA.	TWO for
16 C 3424	22A0678	Round	2 1/4"	.25	.45	1/4	2.85	5.12
16 C 3425	22A067100	Round	2 1/4"	.25	.45	1/4	3.15	5.66
16 C 3422	25A07	Square	2 1/2"	1.5	.65	1/4	2.18	3.92
16 C 3426	27A06Z12	Round	2 3/4"	.25	.55	1/4	2.82	5.06
16 C 3485	30A05	Square	3"	2.0	.55	1/4	1.72	3.08
16 C 3453	3A07	Square	3 1/2"	2.5	.65	1/2	2.18	3.92
16 C 3417	4A05	Square*	4"	2.5	.55	1/4	1.61	2.88
16 C 3561	26A07	Oval	2x6"	2.0	.65	1/2	2.35	4.22
16 C 3421	35A05	Oval	3x5"	2.0	.55	1/2	2.29	4.12
16 C 3434	4A07	Square*	4"	3.0	.65	1/2	2.35	4.22
16 C 3435	4A1	Square	4"	3.0	1.0	3/4	2.51	4.50
16 C 3436	4A15	Square	4"	3.0	1.47	3/4	2.75	4.94
16 C 3433	46A1	Oval	4x6"	3.5	1.0	3/4	3.78	5.00
16 C 3438	4A178	Square*	4"	3.0	1.0	3/4	2.91	5.22
16 C 3461	46A15	Oval	4x6"	3.5	1.47	1	3.00	5.40
16 C 3427	48A2	Oval	4x8"	4.5	1.4	1	4.34	7.80
16 C 3484	410A2	Oval	4x10"	6.0	1.4	1 1/4	4.88	8.78
16 C 3441	5A1	PC	5"	3.5	1.0	1	2.64	4.74
16 C 3439	5A15	PC	5"	3.5	1.47	1	2.86	5.14
16 C 3442	5A178	PC*	5"	3.5	1.0	1/2	3.03	5.44
16 C 3478	52A1	PC	5 1/4"	4.0	1.0	1	2.70	4.84
16 C 3405	52C10	PC	5 1/4"	10.0	1.0	2 1/8	5.43	9.96
16 C 3446	57A15	Oval	5x7"	5.0	1.47	1	3.33	5.98
16 C 3447	57A21	Oval	5x7"	5.0	2.15	1 1/4	3.68	6.62
16 C 3440	6A1	PC	6 1/2"	5.0	1.0	1	2.89	5.20
16 C 3445	6A31	PC	6 1/2"	6.0	3.16	1 1/2	4.14	7.44
16 C 3451	69A2210	Oval	6x9"	8	1.4	1 1/4	4.77	8.58
16 C 3463	69A3	Oval	6x9"	10.0	3.2	1 3/4	5.02	9.02
16 C 3449	7A21	PC	7"	6.0	1.4	1	3.95	7.10
16 C 3443	8A21	PC	8"	7.0	2.15	1 1/2	4.23	7.60
16 C 3444	8A31	PC	8"	9.0	3.16	2 1/4	4.91	8.82
16 C 3452	10C5	Round	10"	9	4.8	2 1/4	6.27	11.54
16 C 3533X	12A6A	Round	12"	14.0	6.8	4 1/4	8.70	15.64

## WEATHERPROOFED OUTDOOR SPEAKERS

"Humi-Gard" cone of plastic impregnated fiber fabric outlasts ordinary moisture-proofed cones. 3.2 ohms. \*Wattage capacity.

Stock No.	Mfr's Type	Size	Shape	Mag.	Wt. Lb.	EA.	TWO for
16 C 3432	3A07OT	3 1/2"	Square	2.5 .65 oz.	1/2	2.35	4.22
16 C 3448	4A05OT	4"	Square	2.5 .55 oz.	1/4	2.18	3.92
16 C 3547	5A05OT	5"	Pincush.	3.0 .55 oz.	1/4	2.45	4.40

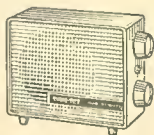
## 45-OHM INTERCOM SPEAKERS

PM speakers for replacement in intercommunications systems.

Stock No.	Mfr's Type	Size	Shape	Mag.	Wt. Lb.	EA.	TWO for
16 C 3481	3A07Z45	3 1/2"	Square	.65 oz.	1/2	2.55	4.58
16 C 3482	4A1Z45	4"	Square	1.0 oz.	3/4	2.91	5.22
16 C 3483	5A1Z45	5"	Pincush.	1.0 oz.	1	3.06	5.50

## PERSONAL REMOTE SPEAKER

This speaker lets you enjoy good-quality personalized listening to your TV, radio or phonograph. Excellent as an extension speaker, too. Two controls, one for the speaker, the other for the radio, TV, etc. Easy to install, simply connect cable from your remote to speaker leads in your radio, TV, or phonograph. Has attractive, high impact plastic case, 4x4x2". With 20-ft. cable. From Japan. Wt., 1 lb.



16 C 3515..... Each 3.95 Two for 7.11

## UTAH SHALLOW-PROFILE HIGH-EFFICIENCY SPEAKERS

- Micro-Gap Replacement Speakers
- So Slim They Fit Anywhere
- Provide Big Sound—Use Little Space
- High Flux-Density Alnico V Magnets

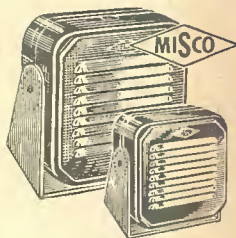


Exceptionally shallow, highly-efficient replacement speakers for use in radios, TV's, electronic test equipment, etc. Their slim profile lets them fit anywhere. Alnico V magnets provide gap flux-density equaling or exceeding EIA standards. Give you more drive per ounce, better response, fuller tone. Can be used with new miniaturized components without taking up a lot of space. Slim profile is achieved by G.E.'s wafer-thin magnet, and one-piece pot. All have 3-4 ohms impedance, except Types SP8J8 and SP12J8, which have 8 ohms impedance. Type SP25A is for use with transistorized circuits. PC in table indicates pincushion. \*Indicates speaker has transformer mounting facilities.

Stock No.	Mfr's Type	Shape	Size	Wt	Depth	Mg. Oz.	Lb.	EA.	TWO for
16 C 3500	SP25A	Square	2 1/2"	2	1 3/16"	.68	1/4	2.25	4.05
16 C 3501	SP3A	Square	3"	3	1 3/8"	.68	1/4	2.19	3.94
16 C 3456	SP35A	Square	3 1/2"	3	1 7/8"	.68	1/4	2.22	4.00
16 C 3457	SP4Y	Square	4"	4	1 1/2"	.55	1/4	1.68	3.02
16 C 3502	*SP4B	Square	4"	4.5	1 1/16"	1.00	3/4	2.52	4.54
16 C 3420	SP5Y	PC	5"	4	1 11/16"	.55	1/2	2.01	3.62
16 C 3503	*SP5B	PC	5"	5	1 7/8"	1.00	3/4	2.55	4.59
16 C 3458	SP6A	PC	6"	6	2 1/8"	.68	3/4	2.58	4.64
16 C 3505	*SP6B	PC	6"	6.5	2 3/8"	1.47	3/4	2.94	5.29
16 C 3507	*SP6FL	PC	6"	8	3"	3.16	1 1/2	4.23	7.61
16 C 3459	SP8D	PC	8"	8	2 3/4"	1.47	1 1/4	3.33	5.98
16 C 3508	*SP8G	Round	8"	10	3 3/8"	3.16	2	4.92	8.86
16 C 3509	*SP8J8	Round	8"	12	4 1/8"	6.8	3 1/4	6.51	11.72
16 C 3510X	*SP12J8	Round	12"	14	5 5/8"	6.8	4 3/4	7.80	14.04
16 C 3511	SP46A	Oval	4x6"	4	1 23/32"	.68	1/2	2.61	4.70
16 C 3466	SP53Y	Oval	5x3"	4	1 13/32"	.55	1/2	2.25	3.98
16 C 3406	SP57A	Oval	5x7"	4.5	2 1/4"	.68	3/4	2.85	4.98
16 C 3512	SP57D	Oval	5x7"	6.5	2 3/8"	1.47	1	3.27	5.89
16 C 3467	SP69B	Oval	6x9"	7.0	2 3/8"	1.00	1	3.75	6.58
16 C 3513	SP69D	Oval	6x9"	7.5	2 7/8"	1.47	1 1/4	3.78	6.80
16 C 3514	SP69G	Oval	6x9"	10	3 3/8"	3.16	1 3/4	5.01	9.02

## ALL-WEATHER SPEAKERS FIGHT MOISTURE AND DIRT

- Rugged Outdoor Speakers
- Perform Under All Conditions
- Canes Treated for Long Life
- Acoustically Designed Louvers



Each speaker is housed in a rugged, 20-gauge steel enclosure that is weatherproof and dustproof. Withstands the destructive effects of humidity, temperature, shock and corrosive climates. Perfect for patios, outdoor theaters, factories etc. Has acoustically designed louvers, and perforated plate backing. Treated speaker cones. Impedance, 8 ohms. Type MS-3BB, 3 1/2" "Mini-Speaker" has 1-oz. magnet; is 4x4x2 1/2", 3-watt capacity. 16 C 3414, MS-3BB, 1 1/2 lbs. ... Each 6.49 Two for 11.69 Type MMS-8-F, 8" "Music-Mini" has 3.16-oz. magnet; is 9x9x4 1/4", 70-13,000 Hz response. Capacity, 8 watts. 16 C 3550, MMS-8-F, 5 lbs. .... Each 12.96 Two for 23.32

## NEW! UTAH WEATHERPROOF OUTDOOR SPEAKERS

For drive-ins, theatres, golf courses, etc. Specially treated cone, dust cap, ring. 3-4 ohms. \*Square; †pincushion. ‡Magnet weight.

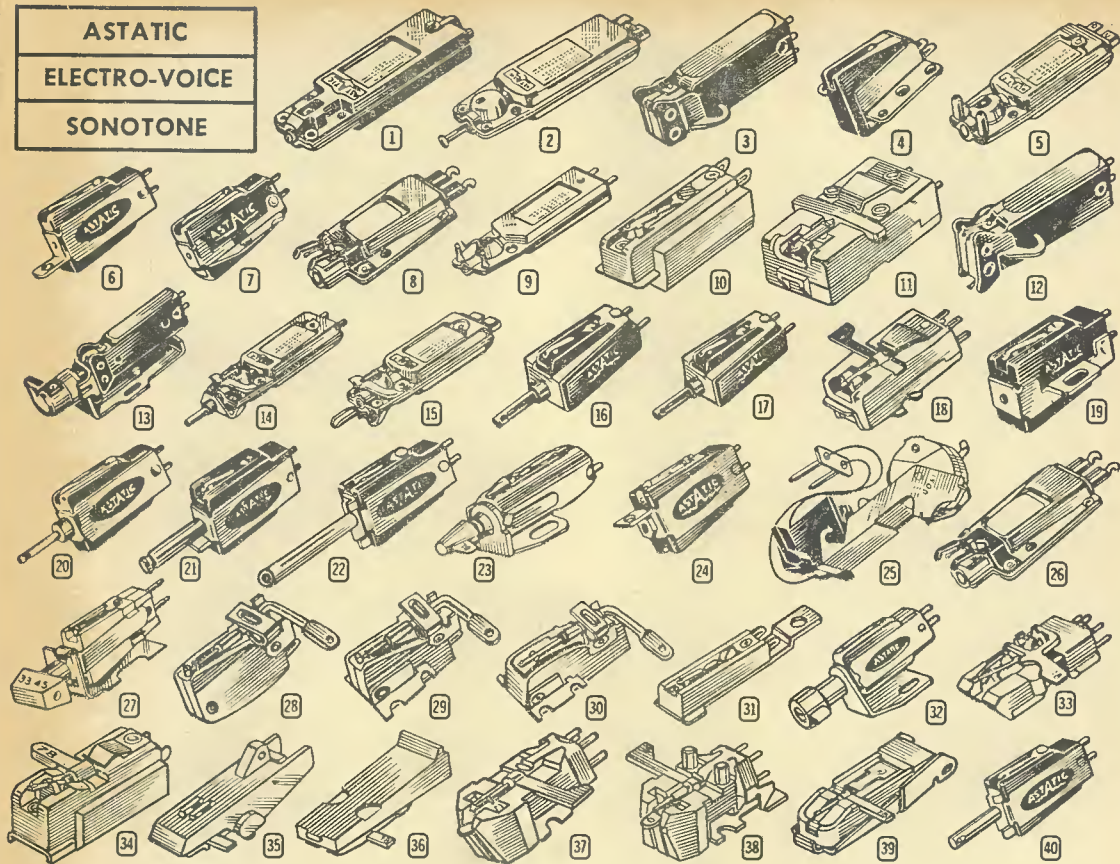
Stock No.	Type SP	Size	† oz.	Lb.	EA.	TWO for
16 C 3460*	35A-WP	3 1/2"	3	.68	1/2	2.98 5.36
16 C 3464*	4Y-WP	4"	4	.55	1/2	2.69 4.84
16 C 3465*	5Y-WP	5"	4	.55	1/2	2.69 4.84
16 C 3469*	8D-WP	8"	8	1.47	1 1/4	3.98 7.16





# Exact-Replacement Phono Cartridges

**ASTATIC**  
**ELECTRO-VOICE**  
**SONOTONE**



These stereo and monoaural phono cartridges replace the originals used by most manufacturers of phonographs. In "Needle" column of tables below, 1S and 1D indicate .001" synthetic-sapphire or natural-diamond tip for long-playing records; 3S, .003" synthetic-sapphire tip for 78-rpm records; 2S, .002" all-purpose synthetic-sapphire for all mono records; 7S and 7D indicate .0007" synthetic-sapphire or natural-diamond for stereo records. Av. shpg. wt., 3 oz.

## SINGLE-NEEDLE MONAURAL CARTRIDGES

Stock No.	Mfr's Type	Exact Replacement For	Fig.	Needle(s)	EACH
16 C 1002	Ast. 12	Astatic 12	2	2S	2.67
16 C 1005	Ast. 24	Astatic 24	1	3S	2.97
16 C 1116	Ast. 40-1	Astatic 40-1	3	1S	3.90
16 C 1243	Ast. 40-2	Astatic 40-2	3	2S	3.90
16 C 1238	Ast. 51-1	Astatic 51-1	4	1S	4.44
16 C 1217	Ast. 62-1	RCA 103238, 103238A	8	1S	2.97
16 C 1224	Ast. 66-2	Astatic 66-2	5	2S	2.97
16 C 1216	Ast. 146-7	RCA 123489	11	7S	3.57
16 C 1205	Ast. 310-2	Astatic 310-2	6	2S	2.97
16 C 1118	Ast. 346	RCA 115058	...	7S	4.17
16 C 1244	Ast. 408	RCA 75575	8	1S	2.67
16 C 1206	Ast. 414-1	Astatic 414-1	7	1S	2.67
16 C 1307	Ast. 414-2	Astatic 414-2	7	2S	2.67
16 C 1006	Ast. 416-2	Astatic 416-2	7	2S	2.67
16 C 1210	Ast. 434	GE Snow-Tell, Piezo	24	1S	2.67
16 C 1137	Ast. 601	Singer H2200 Portable	31	1S	2.97
16 C 1218	Ast. 609	Magnavox 560313; 3; 3	10	1S	2.97
16 C 1009	E-V 17	Webster Electric F-30	9	2S	2.37

## DOUBLE-NEEDLE MONAURAL CARTRIDGES

16 C 1219	Ast. 40T	Astatic 40T	12	1S/3S	4.17
16 C 1241	Ast. 40TB	Astatic 40TB	13	1S/3S	5.07
16 C 1211	Ast. 64TS	VM	40	1S/3S	4.17
16 C 1223	Ast. 66TS	Astatic 66TS	14	1S/3S	4.35
16 C 1253	Ast. 66TV	Astatic 66TV	15	1S/3S	3.90
16 C 1013	Ast. 118	Astatic 118-TS	16	1S/3S	3.87
16 C 1014	Ast. 120	Astatic 120	16	1S/3S	3.87
16 C 1015	Ast. 124	Astatic 124TS	17	1S/3S	3.87
16 C 1120	Ast. 146	Ast. 146, BSR X1H(E)	18	1S/3S	3.87
16 C 1245	Ast. 192	Sears 57-8883-S	18	1S/3S	3.87
16 C 1200	Ast. 310T	Astatic 310T	19	1S/3S	3.27
16 C 1016	Ast. 310TS	Astatic 310TS	20	1S/3S	3.27
16 C 1301	Ast. 314TS	Astatic 314TS	21	1S/3S	3.27
16 C 1141	Ast. 410	RCA 77779	26	1S/3S	3.90

## DOUBLE-NEEDLE MONAURAL CARTRIDGES (Cont'd)

Stock No.	Mfr's Type	Exact Replacement For	Fig.	Needle(s)	EACH
16 C 1152	Ast. 420	BSR TC8H, Ronette TO284	32	1S/3S	3.27
16 C 1153	Ast. 422	BSR TC8M, Ron. DC284	32	1S	3.57
16 C 1032	Ast. 470	Vaco TO-45X	41	1S/3S	3.57
16 C 1220	Ast. 611	Astatic 611 Mastercraft	34	1S/3S	3.57
16 C 1035	E-V 57	Webster Electric B200X	42	1S/3S	2.67
16 C 1027	E-V 80	Ronette TO-284	27	1S/3S	3.27
16 C 1026	E-V 87	Ronette TO-222	27	1S/3S	3.87
16 C 1139	E-V 88	Ronette DC 500/1	45	1S/3S	3.87
16 C 1019	E-V 119	BSR-TC8M	23	1S/3S	2.88
16 C 1018	E-V 120	BSR-TC8H	23	1S/3S	2.88
16 C 1022	E-V 190D	Magnavox	25	1D/3S	12.00
16 C 1221	E-V 268	BSR XIH	55	1S/3S	2.76
16 C 1213	E-V 269	BSR XIHE	55	1S/3S	2.76
16 C 1146	So. 2TA-S	Sonotone 2T-S	29	1S/3S	4.35
16 C 1147	So. 2TA-LB-S	Sonotone 2T-LB-S	28	1S/3S	4.55
16 C 1148	So. 3T-S	Sonotone 3T-S	30	1S/3S	5.72
16 C 1149	So. 3T-SD	Sonotone 3T-SD	30	1D/3S	7.76

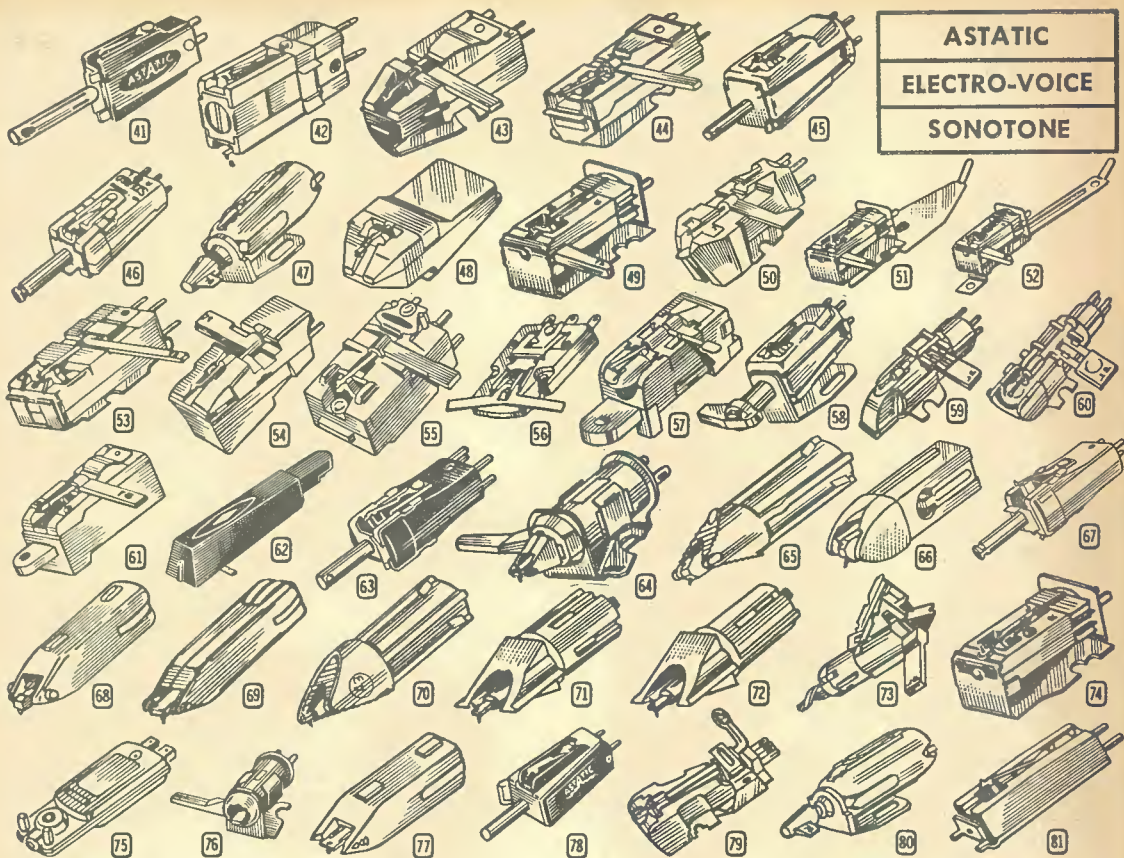
## DOUBLE-NEEDLE STEREOGRAPHIC CARTRIDGES

16 C 1355	Ast. 17	Astatic 17	18	7D/3S	7.05
16 C 1356	Ast. 17D	Astatic 17D	18	7D/3S	9.45
16 C 1315	Ast. 70TS	Astatic 70TS	46	7S/3S	4.35
16 C 1316	Ast. 74TS	Astatic 74TS	46	7S/3S	4.35
16 C 1313	Ast. 76TSB	Ronette 208/AI, 208-2	58	7S/3S	4.77
16 C 1214	Ast. 80TS	Astatic 80TS	46	7S/3S	4.50
16 C 1140	Ast. 86TSB	Ronette 105	58	7S/3S	5.10
16 C 1077	Ast. 133	Motorola 59C61496A01	50	7S/3S	5.85
16 C 1115	Ast. 133D	Motorola 59C61496A02	50	7S/3S	8.25
16 C 1123	Ast. 140	G.E. EA1003	18	7S/3S	4.50
16 C 1124	Ast. 142R	G.E. EA1006, 15358-2	18	7S/3S	5.55
16 C 1125	Ast. 142RD	G.E. 1009, 15358-1	18	7D/3S	7.35
16 C 1126	Ast. 142	G.E. RS6518	18	7S/3S	4.35
16 C 1121	Ast. 153D	Adm. 409C62, -1-2-3-4	50	7D/3S	7.50
16 C 1159	Ast. 157D	Philco 35-2865-1	50	7D/3S	9.26
16 C 1160	Ast. 157RD	Philco 35-2865-2	38	7D/3S	8.70
16 C 1162	Ast. 167D	Sears 33-413-0, 414-0	62	7D/3S	7.50
16 C 1291	Ast. 275D	Sears 33-456-0	62	7D/3S	8.70
16 C 1157	Ast. 349D	G.E. C-500	35	7D/3S	10.44
16 C 1158	Ast. 351D	G.E. C-550	36	7D/3S	10.44
16 C 1161	Ast. 353D	RCA 115276, 115276	39	7D/3S	8.97
16 C 1215	Ast. 355D	RCA 115302, 115303	39	7D/3S	9.38



# by Astatic, Electro-Voice, and Sonotone

**ASTATIC**  
**ELECTRO-VOICE**  
**SONOTONE**



## DOUBLE-NEEDLE STEREOGRAPHIC CARTRIDGES (Cont'd)

Stock No.	Mfr's Type	Exact Replacement For	Fig.	Needle(s)	EACH
16 C 1133	Ast. 472	Vaco ST-2X, ST-20X	63	.7S/3S	4.50
16 C 1134	Ast. 474	Vaco ST-4X, ST-40X	63	.7S/3S	4.35
16 C 1068 S	Ast. 475D	RCA106960A; 110023A	56	.7D/3S	11.40
16 C 1069	Ast. 475	RCA108213A; 110023A	56	.7S/3S	6.00
16 C 1067	Ast. 477	RCA 106771, A, B	56	.7S/3S	6.00
16 C 1066 S	Ast. 477D	RCA 106771, A, B	56	.7D/3S	11.40
16 C 1071 S	Ast. 487D	RCA111348	...	.7D/3S	11.61
16 C 1246	Ast. 710	Euphonics E-1, U-1	33	.7S/3S	5.97
16 C 1154	Ast. 718	Euphonics U10	33	.7S/3S	6.57
16 C 1222	Ast. 718D	Euphonics U11	33	.7D/3S	9.57
16 C 1170	Ast. T1023	Telefunken T20/D, T22/D	57	.7S/3S	7.50
16 C 1150	E-V 26	E-V 26	49	.7S/3S	6.90
16 C 1151	E-V 26D	E-V 26D	49	.7D/3S	9.90
16 C 1163	E-V 95	Ronette 105	58	.7S/3S	5.10
16 C 1164	E-V 96	Ronette 106	58	.7S/3S	4.77
16 C 1131	E-V 97	Ronette 105/1 OV-1, T1	45	.7S/3S	4.50
16 C 1132	E-V 98	Ronette 106-1, P-208-1	45	.7S/3S	4.35
16 C 1040	E-V 121 BS	TC-8, -S-3, -SH, -SM	80	.7S/3S	4.68
16 C 1048	E-V 126	Magnavox 560296-1	52	.7S/3S	6.90
16 C 1047	E-V 126D	Magnavox 560296-1	52	.7D/3S	9.90
16 C 1046	E-V 127	Magnavox 560281-4	51	.7S/3S	6.90
16 C 1045	E-V 127D	Magnavox 560281-3	51	.7D/3S	9.90
16 C 1052	E-V 131	Motorola 59C61640A01 59P60024A24	53	.7S/3S	5.37
16 C 1053	E-V 131D	Motorola 59C61640A02	53	.7D/3S	7.77
16 C 1043	E-V 137	Elac KST-102	48	.7S/3S	4.50
16 C 1395	E-V 141	Telefunken T20/2, T200/2	61	.7S/3S	7.77
16 C 1397 S	E-V 141D	Telefunken T20/D, T200/D	61	.7D/3S	11.37
16 C 1398	E-V 143D	Jensen 143-D, SSD5B	44	.7D/3S	7.35
16 C 1088	E-V 148	V-M 29286-C	53	.7S/3S	5.37
16 C 1089	E-V 148D	V-M 29286-C	53	.7D/3S	7.77
16 C 1036	E-V 149	Admiral 409C51-1	43	.7S/3S	5.40
16 C 1037	E-V 149D	Admiral 409C59-3	43	.7D/3S	7.20
16 C 1072	E-V 150	Allied 466, BSRK-1	43	.7S/3S	4.80
16 C 1051	E-V 150D	Magnavox 860315-1	43	.7D/3S	6.60
16 C 1144	E-V 158	Jensen 158, R2C49B	43	.7S/3S	5.40
16 C 1050	E-V 158D	Magnavox 560310-1	43	.7D/3S	7.50
16 C 1004	E-V 167	Jensen 167	67	1S/3S	4.35
16 C 1058	E-V 250	Perpetuum Ebner PE-188	54	.7S/3S	8.40
16 C 1202	E-V 271	BSK SX1M	55	.7S/3S	3.60
16 C 1203	E-V 272	BSRSX1H	55	.7S/3S	3.60
16 C 1165	So. 8TA4-S	Sonotone 8TA4-S	79	.7S/3S	6.47
16 C 1166	So. 8TA4-SD	Sonotone 8TA4-SD	79	.7D/3S	8.51

## DOUBLE-NEEDLE STEREOGRAPHIC CARTRIDGES (Cont'd)

Stock No.	Mfr's Type	Exact Replacement For	Fig.	Needle(s)	EACH
16 C 1167	So. 9TAF-S	Sonotone 9TAF-S	59	.7S/3S	6.54
16 C 1189	So. 9TAF-SD	Sonotone 9TAF-SD	59	.7D/3S	8.57
16 C 1191	So. 16TAF-SD	Sonotone 16T, 19T, 916T	60	.7D/3S	6.84
16 C 1292	.....	Allied 480, Telrad 1-G2S-B	...	.7S/3S	3.46

## PLUG-IN MONAURAL CARTRIDGES

Stock No.	Mfr's Type	Exact Replacement For	Fig.	Needle(s)	EACH
16 C 1192	Ast. 81T	Astatic 81T	77	1S/3S	2.37
16 C 1193	Ast. 81TX	Astatic 81 TX	77	1D/3S	4.17
16 C 1194	Ast. 81TBX	Astatic 81TBX	64	1S/3S	4.77
16 C 1096	Ast. 89T	Astatic 89T	77	1S/3S	2.97
16 C 1097	Ast. 89TX	Astatic 89TX	77	1D/3S	4.77
16 C 1195	Ast. 89-1	Ast. 89-1, RCA 108555	77	1S	2.55
16 C 1204	Ast. 95	Zenith 142-87	70	1S/3S	2.37
16 C 1207	Ast. 101	Zenith 142-76, -77	70	1S/3S	4.50
16 C 1099	E-V 56	EV 56, Mot. 59B634530	65	1S/3S	2.37
16 C 1101	E-V 56D	E-V, 56D, 56DS	65	1D/3S	4.17
16 C 1104	E-V 76	Webor A1919	66	1S/3S	2.37
16 C 1105	E-V 76D	Webor A1920	66	1D/3S	4.17
16 C 1208	E-V 83	Astatic 83-1, Jensen 42	68	1S	2.10

## PLUG-IN STEREOGRAPHIC CARTRIDGES

Stock No.	Mfr's Type	Exact Replacement For	Fig.	Needle(s)	EACH
16 C 1259	Ast. 13TX	Astatic 13TX	69	.7D/3S	5.37
16 C 1258	Ast. 13TBX	Astatic 13TBX	64	.7D/3S	5.97
16 C 1257	Ast. 13T	Astatic 13T	64	.7S/3S	4.17
16 C 1256	Ast. 13TB	Astatic 13TB	64	.7S/3S	4.17
16 C 1459	E-V 66D	E-V 66D, 66DS	70	.7D/3S	5.97
16 C 1460	E-V 106	E-V 106	71	.7S/3S	4.17
16 C 1463	E-V 106D	E-V 106, 106DS	71	.7D/3S	5.97
16 C 1466	E-V 108	E-V 108	72	.7S/3S	4.17
16 C 1467	E-V 108D	E-V 108D, 108DS	72	.7D/3S	5.97
16 C 1197	So. 10T2-S	Sonotone N10T2-S	73	.7S/3S	5.14
16 C 1198	So. 10T2-SD	Sonotone N10T2-SD	73	.7D/3S	7.17

## SINGLE-NEEDLE STEREOGRAPHIC CARTRIDGES

Stock No.	Mfr's Type	Exact Replacement For	Fig.	Needle(s)	EACH
16 C 1403	E-V 21	E-V 21	74	.7S	6.30
16 C 1413	E-V 21D	E-V 21D	74	.7S	9.00
16 C 1209	E-V 191	E-V 191	81	.7S	2.67
16 C 1247	ASL 348	RCA 11059	...	.7S	4.77

Be Sure to Include Your ZIP Code with Your Address on Order Blank

ALLIED 421





Only  
**\$1.69**  
Each

- Top-Quality Diamond Needles
- Made by Famous Manufacturer
- Precision-Crafted for Allied
- High-Quality Reproduction
- Minimum Record Wear

Protect your records with a top-quality diamond replacement needle. Precision-crafted from whole diamonds by a famous manufacturer to Allied's exacting specifications. Offer minimum wear of record—and needle, and give superior sound reproduction. In tables, Type-No. suffixes indicate: XD, single diamond stereo tip; XSD, synthetic sapphire (for 78 rpm) and stereo diamond tips; LPD, long-play diamond, monaural; SD, synthetic sapphire (for 78 rpm) and diamond, both monaural; D, diamond, monaural. Shpg. wt., 2 oz.

### FOR ASTATIC CARTRIDGES

Stock No.	Type	Fig.	For Cartridge No.	EACH
16 C 1644	A-685D	A	57-T Series	1.69
16 C 1658	A-74L.PD	B	51, 53, 59, 402	1.69
16 C 1645	A-75L.PD	C	ACD Series; 40, 41	1.69
16 C 1657	A-67L.PD	D	64, 66, 68, 94, 405, 406	1.69
16 C 1282	A-94XSD	E	133, 137, 233, 237, 459, 483, 485, 497	1.69
16 C 1171	A-98XSD	E	153, 157, 461, 481	1.69
16 C 1172	A-100XSD	E	140, 142, 146	1.69
16 C 1275	A-102XSD	E	138D	1.69
16 C 1276	A-104XSD	E	148D	1.69
16 C 1742	A-90XSD	F	17; 17D	1.69
16 C 1501	A-94XSD	G	133; 133D	1.69
16 C 1277	A-106XSD	G	181D	1.69
16 C 1669	CRA-55XD	H	70 Series; 80 Series	1.69
16 C 1281	CRA-552D	H	118, 120, 124, 310, 312, 414, 416, 420, 422, 424, 426	1.69

### FOR BSR CARTRIDGES

16 C 1278	B1XSD	G	C-1	1.69
16 C 1669	CRA-55XD	H	TC-8S, H Series	1.69

### FOR CBS CARTRIDGES

16 C 1671	CS-1XD	J	SC-1, 2, 7, 8	1.69
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### FOR ELECTRO-VOICE CARTRIDGES

16 C 1667	E-98XD	K	21, 26	1.69
16 C 1510	E-10XSD	K	117, 131, 148	1.69
16 C 1514	E-15XSD	G	132; 132D	1.69
16 C 1518	E-16XSD	G	149; 149D	1.69
16 C 1279	E-19XSD	G	169D; 186D	1.69
16 C 1284	E-21XSD	G	198, 199; 282	1.69

### FOR EUPHONIC CARTRIDGES

16 C 1614	J-47XD	L	E Series	1.69
16 C 1752	J-57XD	M	U-1 Series; U-2 Series	1.69
16 C 1039	EU-3XSD	P	U-12, U-13 (R)	1.69
16 C 1173	EU-2XSD	P	U-10, U-11, R	1.69

### FOR G.E. CARTRIDGES

16 C 1642	G-19XD	R	VR-227	1.69
16 C 1643	G-20XD	R	VR-225	1.69
16 C 1523	G-1D	S	RPX Series	1.69
16 C 1054	G-1XD	S	RPX Series (for playing stereo records on mono equip).	1.69
16 C 1060	G-4XD	T	4G Series VR II (for playing stereo records on mono equip).	1.69
16 C 1601	G-4D	T	4G Series; VR II	1.69
16 C 1502	G-21XSD	W	C-100, RS3824, ER97X, 250	1.69
16 C 1283	G-22XSD	W	C-100A, C-200, C-400	1.69
16 C 1286	G-24XSD	G	C500; C600	1.69

### FOR RCA CARTRIDGES

16 C 1622	M-77XSD	X	106770A, 106771A	1.69
16 C 1653	M-74L.PD	Z	75475, 77779, 75575	1.69
16 C 1753	M-80XSD	V	110020, 110021	1.69
16 C 1287	M-84XSD	G	115276; 115303; 115303	1.69

### FOR RONETTE CARTRIDGES

16 C 1649	CRA-55LPD	H	All Ronette Monaural; Astatic; BSR	1.69
16 C 1288	CRA-57LPD	AA	Mono PC-422, SCW-395, DC-500 Series	1.69
16 C 1665	CRA-57XD	AA	P-105, 106; BF-40, Ronette Stereo; Admiral Ensign	1.69
16 C 1437	CRA-572D	AA	SCW-395-2	1.69

### FOR SHURE CARTRIDGES

Stock No.	Type	Fig.	For Cartridge No.	EACH
16 C 1650	JPS-30LPD	BB	P-30, 72, 76, 77, 79; PC Series	1.69
16 C 1436	JPS-35SD	CC	P-7, 8, 9; W9; WC10	1.69
16 C 1651	JPS-36SD	CC	PC-2, 3, 4, 5; P-7, 8, 9; Wt-9, 10	1.69

### FOR SONOTONE CARTRIDGES

16 C 1746	S-80XSD	DD	18T Series	1.69
16 C 1747	S-82XSD	DD	9T; 916T; 16T; Adm. Ensign	1.69
16 C 1620	S-71XSD	EE	8T; A Series	1.69
16 C 1289	S-72XSD	EE	8TA Series	1.69
16 C 1655	S-61SD	FF	3T Series	1.69
16 C 1656	S-66SD	FF	2T, 5T, and 7T Series	1.69
16 C 1078	S-66XSD	FF	2T, 5T, 7T Stereo Series	1.69
16 C 1111	S-61XSD	FF	3T Series (for playing stereo records on mono equip).	1.69
16 C 1290	S-68SD	FF	2T Series	1.69

### FOR TETRAD CARTRIDGES

16 C 1112	T-1XSD	N	611DP-2, 4; 111, 611SP-1, 211D-V4, 211D-M1	1.69
16 C 1136	T-2XSD	N	121, 621S-V1, 621D-V2, 2-21D-V6, 1-21D-M2, 4	1.69

### FOR TELEFUNKEN CARTRIDGES

16 C 1750	TE-19XSD	GG	T-20; T-20DS	1.69
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### FOR VACO CARTRIDGES

16 C 1669	CRA-55XD	H	ST-20; ST-40; ST-200	1.69
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### FOR ZENITH CARTRIDGES

16 C 1174	Z1XSD	HH	142-126, 7, 8; 142-136, 7, 142-140, 41	1.69
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## NEEDLE-CARTRIDGE COMBINATIONS



### ZENITH "COBRA ARM" PLUG-IN NEEDLE-CARTRIDGES

Stock No.	Type No.	Zen. Type	Fig.	Stylus	EACH
16 C 1631	S-15780	Z-62	JJ	Syn. Sapphire	1.88
16 C 1635	142-76, 142-77	Z-59	KK	Syn. Sapphire	3.98
16 C 1697	142-76, 142-77	Z-59SD	KK	Diamond	8.95

### DIAMOND PLUG-IN NEEDLE-CARTRIDGES

Stock No.	Type No.	Fig.	For Cartridge	EACH
16 C 1606	A-41SD	MM	Astatic 81TX	4.49
16 C 1610	A-43SD	MM	Astatic 89TX	4.49
16 C 1689	A-44XSD	MM	Astatic 13TX Stereo	4.95
16 C 1625	E-36SD	NN	E.V. 56DS	4.49
16 C 1627	E-37SD	LL	E.V. 76DS	4.49
16 C 1690	E-46XSD	NN	E.V. 66DS Stereo	4.95

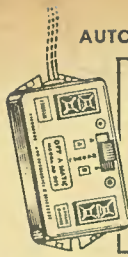
### SYNTHETIC-SAPPHIRE PLUG-IN NEEDLE-CARTRIDGES

16 C 1623	A-41	MM	Astatic 81T	1.88
16 C 1609	A-43	MM	Astatic 89T	1.88
16 C 1615	A-13	MM	Astatic 13T Stereo	3.49
16 C 1624	E-36	NN	E.V. 56	1.88

Replacement cartridges listed on pages 420-421.

# Selected Hi-Fi and Phono Accessories

## AUTOMATIC HI-FI SHUTOFF



Plug "Off-A-Matic" into outlet—amplifier and record changer into "Off-A-Matic."

**\$4.95**

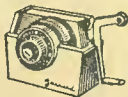
- Shuts Off After Lost Record
- Manual or Automatic Operation
- For Most Record Changers

Compact "Off-A-Matic" unit shuts off entire hi-fi system automatically at end of last record. Simply plug "Off-A-Matic" into wall outlet and amplifier (or receiver) and record changer into "Off-A-Matic." Works with all record changers having automatic shut-off. Switch permits manual operation if the automatic-shutoff feature is not desired. Steel case, 2 1/2 x 4 3/4 x 1 1/2". 6' AC cord. Shpg. wt., 2 lbs.

24 C 9234.....4.95

## GARRARD NEEDLE PRESSURE GAUGE

**\$2.95**



Protect your valuable record collection with this low-cost gauge. Accurately provides a check of needle pressure on record grooves. Prevents damage to needle and records caused by excessive tracking pressure. Lets you calibrate the exact tracking force for best sound reproduction. Has a durable spring-type mechanism, tightly sealed for added protection. Shpg. wt., 5 oz.

16 C 2035.....2.95

## RECORD-MATIC RECORD RACK

Find the Record Album You Want Instantly!

**NEW!**



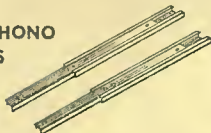
Adds life to Your Valuable Records

Are you tired of hunting for the record album you want? Record-Matic record rack does the browsing for you—it starts and stops with the touch of a finger, runs fast or slow for your convenience. Each album is exposed to view and is easy to find—takes all the work out of album storage. You stop operation manually for instant record selection. Protects your valuable record collection and record jackets, too. It's automatic, yet has no springs, magnets or motor. 12 1/2 x 12 1/2 x 12 1/2".

16 C 2019 X.....7.95

## "EASY-PULL" PHONO DRAWER SLIDES

Low **\$1.90** As



Heavy steel ball-bearing slides for custom-mounting record changer in high-fidelity cabinet. Accommodates any record changer base. Offers quiet, effortless rolling action. 15" long, 11-inch travel. Shpg. wt., 3 lbs.

16 C 2046.....1.90

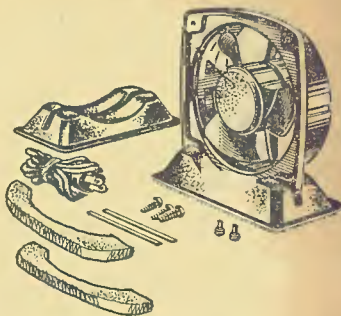
16 C 2047. 13-inches Long. 9-inch travel. Shpg. wt., 3 lbs.....1.90

16 C 2044. Heavy-Duty 18-inch Full Extension Slides. Have extra-long 18-inch travel. Shpg. wt., 4 lbs.....3.50

## PROTECT EQUIPMENT WITH A DELWYN "WHISPER FAN" by ROTRON

**\$14.85**

- Delivers 60 cfm of Air
- Super Quiet Whisper Fan
- Only 4 1/16" Square, 1 1/2" D.
- Reversible Airflow



Prevent operating failure in expensive high-fidelity components, television sets, tape recorders and other electronic equipment. Extremely quiet Whisper Fan delivers 60 cfm of cooling air with no audible noise level. Protects your equipment against deterioration by heat—makes it last longer and perform better. Its compact design allows installation almost anywhere. Only 4 1/16" square by 1 1/2" deep. Can be mounted in round or square opening. Airflow is reversible. Consumes only 7 watts of power. With cord, plug. For 110-120 V, 60 Hz AC. Shpg. wt., 1 1/2 lbs.

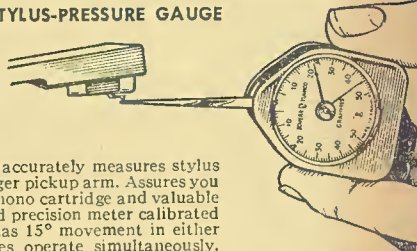
16 C 2031.....14.85

Prevent Operating Failure in Expensive Equipment by Eliminating Excess Heat

## SHERR-TUMICO PRECISION STYLUS-PRESSURE GAUGE

**\$19.95** \$5 monthly

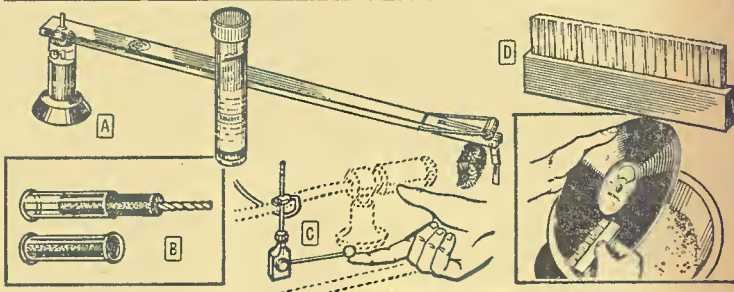
- Super-Accurate Measurement
- Easy-to-Read Precision Dial
- Durable Construction



New precision dynamometer gauge accurately measures stylus pressure of turntable or record changer pickup arm. Assures you maximum protection of expensive phono cartridge and valuable record collection. Large, easy-to-read precision meter calibrated in grams. 1 1/4-inch actuating arm has 15° movement in either up or down direction. Two needles operate simultaneously. When pressure is released one needle returns to zero, while the other remains at maximum reading. After reading is taken, manual reset knob returns needle to zero. Size, 1 3/16 x 1 1/16 x 3 7/8" overall, including actuating arm. Shpg. wt., 12 oz.

16 C 2040. \$5 Monthly.....19.95

Finest Precision Stylus Pressure Measuring Device Ever Offered



**A** AUTOMATIC "DUST BUG." Specially designed for manual turntables. Preserves valuable records by keeping them free from abrasive dust. Consists of plastic arm with fine nylon brush and dust-collector pad that mounts on end of pickup arm. Includes pad and cleaning fluid. Mounts easily. Installs in just a few seconds. Shpg. wt., 8 oz.

16 C 2022.....5.75

**B** "PARASTATIC PRENER" DUST REMOVER. Get your records really clean. Simply rub wetted center wick of brush over rotating record. Special chemical process cleans them like new for a factory-fresh look. Safe to use, leaves no damaging film. Extends record life. Shpg. wt., 6 oz.

16 C 2261.....3.50

**C** ORTOFON "HI-JACK" CUING DEVICE. Specially designed for manual turntables. Permits you to raise and lower turntable arm without touching it, and "float" it to the record at precisely the right spot. It's a "must" for those who want maximum protection for high-quality diamond needles and valuable, irreplaceable records.

16 C 2246. Shpg. wt., 12 oz.....9.80

**D** RECORD WASH BRUSH. Recommended by experts, the record wash brush restores brilliant "highs," rejuvenates old records and removes audible background noise by deep cleaning. Each bristle is micro-ground to an elliptical shape to reach deep into record grooves. With instructions.

16 C 2020. Shpg. wt., 2 oz.....2.65

## ACOUSTIC INSULATION FOR SPEAKER ENCLOSURES

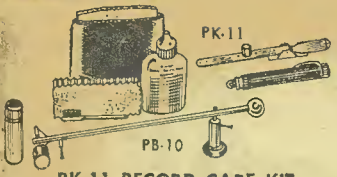
Excellent sound absorbing material prevents reverberation and distortion caused by standing waves created inside speaker enclosure. Improves performance of virtually any enclosure. Also numerous other uses—insulating pipes, insulating automobile from engine and road noises, etc. Cuts into any shape, presses into place with glue. Permanent and fireproof. 1/2 x 12 x 72".

16 C 2262 X. Foam Rubber. Shpg. wt., 1 1/2 lbs.....1.98

16 C 2042 X. Fiberglos. Shpg. wt., 1 1/2 lbs.....1.32







**PK-11 RECORD CARE KIT**  
 Contains professional record sweep, anti-static cleaner and lubricant. Cleans records automatically as they play. Mounts to phono by suction cup. Stylus microscope, pressure gauge, record cleaning kit.  
 16 C 2203. Shpg. wt., 1 1/4 lbs. .... 6.99

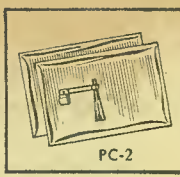
**PB-10 RECORD SWEEP**  
 Sweeps dust and other particles from sound grooves. With anti-static cleaner, lubricants. Improves sound fidelity.  
 16 C 2204. Shpg. wt., 3 oz. .... 2.98



**PC-6 END RECORD**  
 Protects records from dust and dirt, lets you know when last record has been played. Features pre-recorded sign-off on one side—tells you when last record is played; turns changer mechanism off automatically. Can be used without sign-off on reverse side. Covers records when they are stacked on changer. Automatically drops after last record has been played. Shpg. wt., 9 oz.  
 16 C 2206. .... 1.98



**PK-6 "ROB-O-STAT" KIT**  
 Super-soft foam applicator mitt; 1 1/2-oz. anti-static cleaner and lubricant, poly-foam pad. With stylus brush.  
 16 C 2210. Shpg. wt., 8 oz. .... 1.39



**PC-2 CLEANING CLOTHS, BRUSH**  
 Anti-static treated cloths. Brush clips to tone arm to remove dust from records while they play. Shpg. wt., 4 oz.  
 16 C 2213. .... 75¢



**PK-3A RECORD CARE KIT**  
 Deluxe record care kit helps you get top fidelity from your records, and increases record life. Contains, PSG-3 stylus pressure gauge; adjustable stylus brush; record brush to clip on tone arm; turntable level; anti-static record cleaning cloth; 18 protective round-bottom record covers. Pressure gauge and balance weight track low as 1/2 gram for improved sound, long life.  
 16 C 2205. Shpg. wt., 1 lb. .... 4.29



**PB-9 DISK-WHISK RECORD CLEANER.** Cleans, lubricates both sides of record in one operation. For 45 rpm and LP records. Anti-static silicone coating. With handling disc.  
 16 C 2207. Shpg. wt., 5 oz. .... 99¢



**PX-8 ANTI-STATIC RECORD CLEAN SPRAY.** Silicone lubricant and cleaner prevents dust accumulation. Silicone coating.  
 16 C 2208. Shpg. wt., 11 oz. .... 1.09



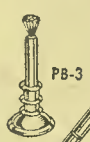
**PC-12 FOAM PHONO CUSHION.** Cushions record drop and reduces slippage. Includes strobe disk, 1 1/4" diameter.  
 16 C 2220. Shpg. wt., 3 oz. .... 75¢  
 16 C 2221, PC-10. Above, 9/16" dia. .... 69¢



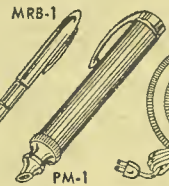
**PL-2 ROUND TURNTABLE LEVEL.** For accurate leveling of phono turntables. Self-stick. Mounts to phono deck.  
 16 C 2255. Shpg. wt., 3 oz. .... 1.59



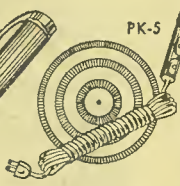
**PB-88 "CLEAN-SWEEP" CAMEL'S HAIR BRUSH**  
 Large camel's hair brush helps keep your records top shape. Gently cleans entire surface of up to 12" records with each revolution. Connects easily, mounts to phono with adhesive base pad, needs no screws that will harm phono base. Prevents harmful dust from creating serious sound flaws in modern micro-groove records. Also assures longer stylus life, even with diamond styli. Keeps records sounding great over long periods of time. For use with manual record changers only. Wt., 3 oz.  
 16 C 2285. .... 4.29



**MRB-1 ALL-PURPOSE BRUSH.** Removes dust and dirt from equipment, stylus and records. Telescoping soft camel's hair brush in gold finish case. Pocket clip.  
 16 C 2222. Shpg. wt., 3 oz. .... 99¢



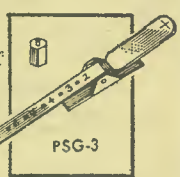
**PM-1 STYLUS MICROSCOPE.** Pocket size, precision lenses. Knurled focusing adj., slot for needle inspection. 3/4x1/2" dia.  
 16 C 2286. Shpg. wt., 4 oz. .... 1.89



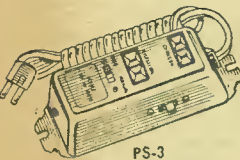
**PK-5 STROBE AND LIGHT KIT.** Checks phono for speed accuracy at 33 1/3, 45 and 78 rpm. Includes neon lamp and strobe disc. Instructions. For 110 V, 60 Hz AC.  
 16 C 2014. Shpg. wt., 6 oz. .... 1.49



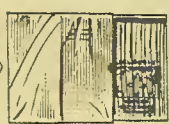
**PSG-2 STYLUS PRESSURE GAUGE.** Calibrated balanced gauge measures stylus pressure from 1/2 gram. Assures proper tracking; prevents stylus and record wear.  
 16 C 2258. Shpg. wt., 4 oz. .... 79¢



**PSG-3 STYLUS PRESSURE GAUGE.** Calibrated and balanced. Measures pressure to 1/2 gram. Includes counterweight.  
 16 C 2223. Shpg. wt., 3 oz. .... 99¢



**PS-3 HI-FI SYSTEM SHUTOFF**  
 • Shuts Off Entire Hi-Fi System  
 • Switch Permits Manual Operation  
 New solid-state hi-fi stereo system shutoff, for all models of domestic and foreign equipment. Prevents "burning up" equipment by automatically shutting off complete system after last record is played. Switch permits manual operation if desired. Has two outlets for amplifier and phono; 6-ft. AC line cord plugs into 110 VAC. Rated 3 amps, 350 watts. Durable metal housing, 6 1/2x2 1/4x1 1/4".  
 16 C 2224. Shpg. wt., 2 lbs. .... 6.99



**PJ-25 ALBUM COVERS.** 12 heavyweight plastic window-clear 12" album covers. Special thumb notch permits easy insertion and removal of records. Shpg. wt., 6 oz.  
 16 C 2225. .... Pkg. of 12 for 99¢



**PJ-1B RECORD COVERS.** Round bottom, polyethylene plastic protective covers for up to 12" records. Prevents scratching, seals out dust and moisture. Shpg. wt., 6 oz.  
 16 C 2226. .... Pkg. of 18 for 75¢



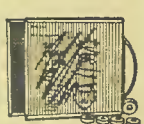
**PL-80 IDENTIFICATION LABELS.** Self-stick, color coded labels titled "Property of," 18 each of five colors. Wt., 3 oz.  
 16 C 2228. .... Pkg. of 80 for 79¢



**PL-5 ALBUM AND RECORD INDEX SPOTS.** 240 self-stick color-coded spots, numbered 1-24. Five colors. Use one set for records, one for matching albums. 2 oz.  
 16 C 2229. .... Pkg. of 240 for 69¢



**PK-20 COLOR-CODE LOG KIT.** Contains 120-page indexed log book; 80 color-coded identification labels; 240 spots numbered 1-24. 5 colors. Pen. 14 oz.  
 16 C 2230. .... 2.49



**PT-5 COLOR-CODED ALBUM REINFORCEMENT.** Repair, code albums. 5 rolls, 5 yards each, in 5 colors. Enough for 25 albums.  
 16 C 2231. Shpg. wt., 6 oz. .... 99¢



# Grille Cloth, Switches, Controls, Cables



## BUDGET-PRICED GRILLE CLOTH

Description	Pattern No.	Fig.	Stock No.		PER YARD
			In Lengths Over 1 Yd.	36x36"	
Mahogany with Ivory Threads	211	1	16 C 2103 X	16 C 2104 X	2.39
Walnut with Bronze Threads	811	2	16 C 2115 X	16 C 2116 X	2.39
Walnut, White and Gold	1908	3	16 C 2272 X	16 C 2273 X	2.39
Walnut Cane with Bronze Threads	24R12	4	16 C 2236 X	16 C 2237 X	2.39
Blend White/Black-Honeycomb Weave	625	5	16 C 2125 X	16 C 2126 X	2.39

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Description	Pattern No.	Fig.	Stock No.		PER YARD
			In Lengths Over 1 Yd.	36x36"	
Light Walnut with Gold Metal Box	711M	6	16 C 2325 X	16 C 2326 X	3.29
White with Random Gold Thread	6423	7	16 C 2321 X	16 C 2322 X	3.29
Natural & Walnut Cane w/Gold Metal	2422	8	16 C 2313 X	16 C 2314 X	3.29
Beige & Walnut w/Gold Metal	3705A	9	16 C 2238 X	16 C 2239 X	3.29
Solid Black Ribbon Honeycomb	4542	10	16 C 2240 X	16 C 2241 X	3.29
Light Grey w/Random Silver Metal	B5081	11	16 C 2127 X	16 C 2128 X	3.29

## DELUXE DECORATOR GRILLE CLOTH

Description	Pattern No.	Fig.	Stock No.		PER YARD
			In Lengths Over 1 Yd.	36x36"	
Black with Gold Cobweb	453	12	16 C 2148 X	16 C 2149 X	3.95
Dark Mahogany with Gold Cobweb	300	13	16 C 2152 X	16 C 2153 X	3.95
Beige, White and Tan w/Gold Metal	7104	13	16 C 2154 X	16 C 2155 X	3.95
Walnut Tapestry Weave w/Gold Metal	3743	14	16 C 2315 X	16 C 2316 X	3.95
Walnut with Random Stripe	3785A	15	16 C 2317 X	16 C 2318 X	3.95
Walnut-Interwoven Wood Effect	WW-1	16	16 C 2244 X	16 C 2245 X	3.95
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Stock No.	Fig.	Mfr. and Type No.	Mtg.	Description	EACH
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16 C 2160	19	Audiotex 30-372*	W	Stereo 8-Ω L-pad spkr. control	5.61
16 C 2161	19	Audiotex 30-374*	W	Stereo 16-Ω L-pad spkr. control	5.61
16 C 2169	19	Audiotex 30-388*	W	Stereo 3-speaker selector switch	3.27
16 C 2170	20	Audiotex 30-360*	SM	Mono 3-speaker selector switch	3.63
16 C 2186	21	Switchcraft 670*	SM	Stereo 2-speaker selector switch	4.17
16 C 2194	21	Switchcraft 668†	SM	1 of 3 stereo sources to 1 input	4.17
16 C 2197	22	Vidaire MS-12	PM	Stereo selects any of 6 spkr. sets	2.64
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		Fig.	Fig.		
16 C 2059	4C-3076	B	A	6'	1.19
16 C 2063	4C-3064	B	A	10'	1.59
16 C 2060	4C-3075	B	B	6'	1.69
16 C 2061	4C-3074	B	B	10'	1.99
16 C 2050	4C-3062	B	F	6'	1.69
16 C 2072	4C-3061	B	F	10'	1.99
16 C 2055	4C-3063	B	G	6'	.99
16 C 2051	4C-3060	B	H	6'	1.19

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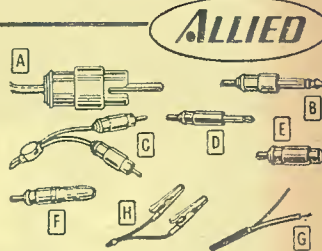
Stock No.	Mfr's Type	Conn't's	L.	EA.
16 C 2065	4C-3066	D A	6'	1.44
16 C 2053	4C-3058	D B	6'	1.59
16 C 2054	4C-3057	D G	6'	1.19

### STRAIGHT PHONO PLUG TO VARIOUS CONNECTORS

Stock No.	Mfr's Type	Conn't's		L.	EA.
		Fig.	Fig.		
16 C 2058	4C-3056	A	A	18"	.59
16 C 2057	4C-3054	A	A	36"	.69
16 C 2056	4C-3055	A	A	6'	.89
16 C 2062	4C-3073	A	A	10'	1.19
16 C 2070	4C-3071	A	E	36"	.89
16 C 2068	4C-3069	A	E	6'	.99
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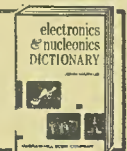
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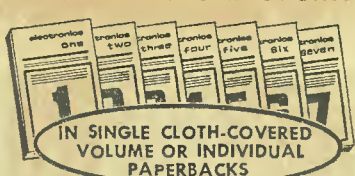
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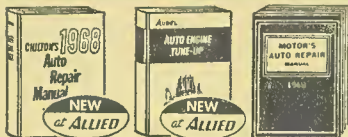
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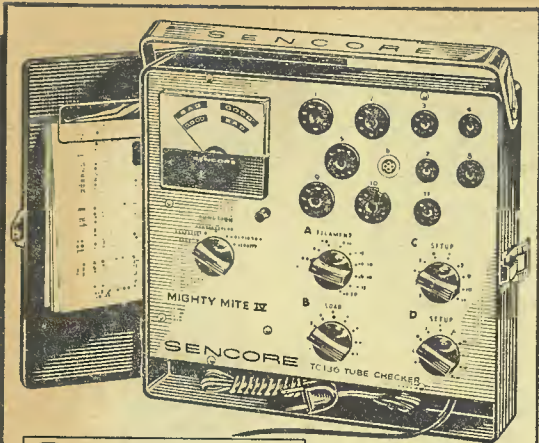
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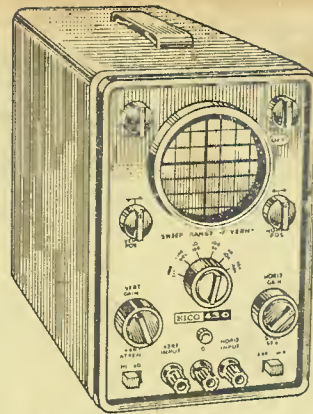
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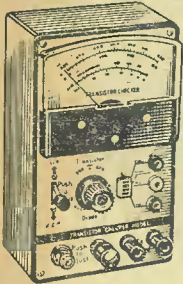
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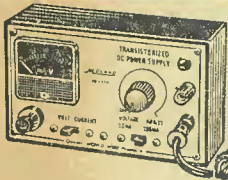


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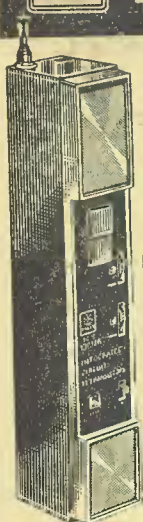
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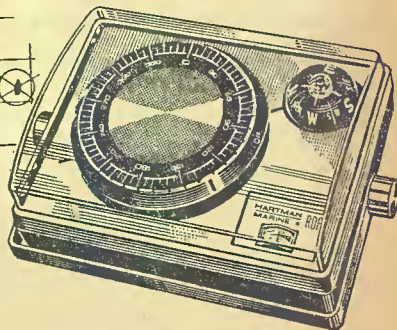
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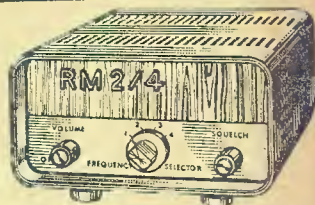


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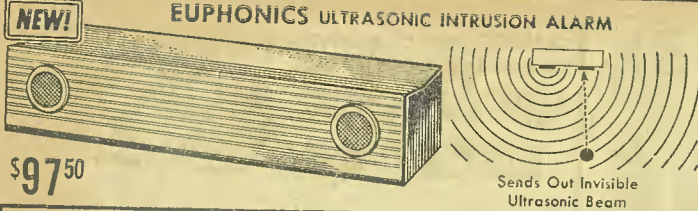
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Buzzes Before Entry is Gained

Deluxe portable solid-state door alarm, no larger than a transistor radio, but gives big protection. Hangs on inside doorknob, wherever you may be—it's great for home protection, for motels or hotels when on vacation. Provides protection and assures privacy anywhere and everywhere.

Easy to install and setup. Simply hang on inside doorknob, plug into AC outlet and turn on. Sounds with shrill buzzing sound if anyone even touches the outside doorknob. Warns you of prowlers even before any entry is made. Also has special safety clip which will sound alarm if door is forced open without touching doorknob.

Has dependable solid-state design, illuminated on-off switch. No moving or breakable parts. Handsomely styled high-impact case, 8x4x1 1/2". For 117 VAC. U.L. Listed. Shpg. wt., 2 lbs.

26 C 2167. \$5 Monthly..... **19.95**

## Kidde BURGLAR AND FIRE ALARM SYSTEMS



**\$8995 ALARM BURGLAR**

- "Night" and "Exit" Modes
- Easy Surface Installation
- Personal Key Operation

MODEL 991. Versatile home burglar alarm panel—use to provide protection from burglars, prowlers, etc. Self-contained solid-state system. Features surface installation for easy removal without damage to walls or doors; personal key operation.

Operates in "Night" and "Exit" positions. In "Exit" position, alarm actuates 15 seconds after family members leave; alarm delays 15-30 seconds on entry. In "Night" position (family asleep, etc.) alarm rings immediately, without using time delay.

Has pilot light to show proper operation; key control switch; "Night" "Exit" lights. Size, 5x8x3". For 110-130 V, 60 Hz AC. Order door switches, cable below. Wt., 9 lbs.

26 C 2100 X. \$5 Monthly.....	<b>89.95</b>
26 C 2101, Magnetic Door Switches. Connect control to unit above. Shpg. wt., 8 oz.....	<b>1.95</b>
55 C 7602, 100' Wire, 2-conductor, 18 gauge. Shpg. wt., 2 lbs.....	<b>3.15</b>



**\$3995 FIRE ALARM**

- Good Protection at Low Cost
- 13 Solid-State Diodes
- Easy Installation

MODEL HS-12. Quality fire-alarm panel provides adequate protection from fires, excessive heat, etc., when used with heat detector below. Has dual-horn alarm for distinctive, easily identifiable tone. Solid-state circuit with 13 diodes for reliable operation. Self-contained.

Alarm automatically rearms itself after cooling, and power is resumed. Has pilot light to indicate power on and properly connected. Lock-in circuit keeps alarm sounding even after it cools. Has "Silent" switch to release lock-in and restore system.

Can also operate from remote bells or lights. Recommended installation, 6 to 8-ft. from floor. Handsome case, 6x5x3". For 110-130 V, 60 Hz AC. Order heat detector, cable below.

26 C 2102 X. Shpg. wt., 6 lbs.	<b>39.95</b>
26 C 2103, Heat Detector. Activates alarm in presence of extreme heat. Shpg. wt., 8 oz.....	<b>3.95</b>
55 C 7602, 100' Cable, 2-conductor, 18-gauge. Shpg. wt., 2 lbs.....	<b>3.15</b>

## "SMOKEE" SMOKE DETECTOR AND HOME FIRE ALARM



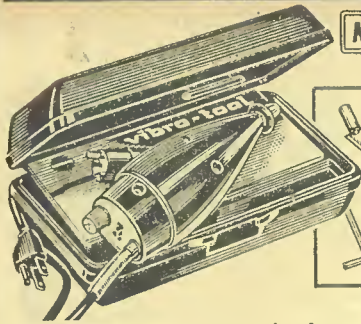
**\$4995** Small Trace of Smoke Sets Alarm

Deluxe fire alarm system provides excellent protection for homes, apartments, offices, other buildings. Gives earliest warning of approaching fire by sounding the alarm at the slightest hint of smoke. Also detects and sounds alarm when rapid changes in temperature occur. Easy to install, simply mount anywhere and plug into nearest AC outlet. (It is recommended that you mount unit near ceiling, to assure utmost safety.) Solid-state circuit for quiet, dependable operation; jeweler's pilot light to indicate that smoke detection system is operating properly. Handsomely styled unit blends nicely with any decorating scheme. Size, 6x4x3". For 110-130 VAC. Wt., 5 lbs.

26 C 2170. \$5 Monthly..... **49.95**

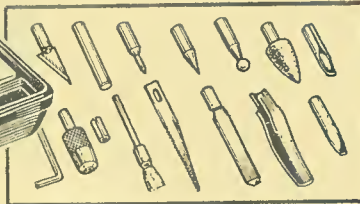


# Tools, Automotive Equipment, Ultrasonic Cleaner



**NEW!**

## BVI V-88 VIBRO-TOOL OUTFIT

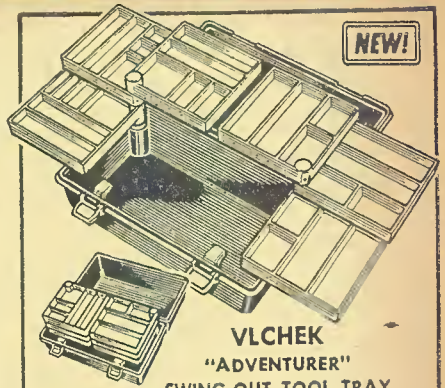


Rugged, multi-purpose tool, perfect for the skilled craftsman, hobbyist and home repairman. It's ideal for hundreds of different jobs—engraving and etching on glass and plastics; permanent marking on tools; deburring; punching and cutting sheet metals; leather working, much more. Has heavy-duty two-speed motor delivering 3600 and 7200 strokes per minute. Powerful enough to handle the toughest jobs. Special dial setting adjusts length of strokes. Secure set screw chuck accepts all accessories with shaft diameters of 1/2". Also includes adapters for accessories with 1/8" and 1/4" shafts. Durable nylon case with

comfortable grip permits long use without tiring. Also features motor control switch; heavy-duty 6-ft. AC line cord. Accessory tool outfit includes: setscrew chuck; Allen wrench; 3 engraving points for making permanent markings, etching, etc.; hammer point for driving nails and tacks; knife blade for cutting cardboard, balsa, leather goods, etc.; wood saw blade; leather working tools; glass tool for frosting and decorating; wire brush and metal file for cleaning. Molded plastic storage case has room for Vibro-tool and all accessories. 110-120 V, 50-60 Hz AC. Wt., 3 lbs. 26 C 2105, \$5 Monthly.....19.95

## BVI ELECTRIC PENCIL

Unique electric pencil lets you mark your name or other vital information on any number of common objects around the home. Identify your property—write on tools, flashlights, hub caps, lawn mowers, etc. Pencil has hardened steel point that vibrates at 7200 strokes per minute. Automatic, turns itself on when you pick it up, shuts off when you put it down. Adjustment knob changes length of stroke. Overall length, 5 1/2". With 6' cord. For 110 V, 50-60 Hz AC. 26 C 2106, Shpg. wt., 1 lb.....6.95



**NEW!**

## VLCHEK "ADVENTURER" SWING-OUT TOOL TRAY

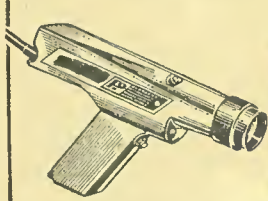
**\$19.95**

**\$5 monthly**

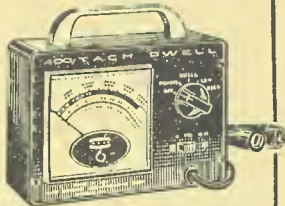
- Trays Swing Out, Not Up
- Full Access to Bottom
- Unbreakable Copolymer

Deluxe swing-out tool box, ideal for holding small parts, fishing tackle, servicing components, etc. Features six separate swing-out trays for easy access to each compartment. No wasted space at all—bottom large compartment is completely accessible and large enough to store even bulky tools. Trays swing out with the flip of a finger—no binding or sticking. Entire box is made of ABS copolymer plastic, no parts to rust, corrode or wear out. Not affected by water, gas or oil, etc. Ideal for use indoors or out. Also features recessed handle, dual safety latches. Box opens flat, won't tip or spill. Handsome Jet green body, with snow white plastic trays. Overall size, 19x10 3/4x10 1/8". Shpg. wt., 10 1/2 lbs. 26 C 2107 X, \$5 Monthly.....19.95

## DELUXE AUTOMOTIVE TEST EQUIPMENT



**DC POWER TIMING LIGHT**  
**\$29.95**



**DWELL/TACHOMETER**  
**\$39.95**

**DC POWER TIMING LIGHT.** Accurately checks engine timing, distributor action, centrifugal advance and governor action. Solid-state circuit. Slim, well-balanced design for long use without tiring. Automatically adjusts to 6 or 12-volt systems without any special hookups or adapters. Brightly focused beam permits direct testing, even in daylight. Has non-polarizing circuit—either test-lead can be connected to either battery terminal. Pushbutton trigger switch. Chrome body surface resists rust and corrosion. With spark plug adapter leads. For 6 or 12 VDC systems. Shpg. wt., 3 1/2 lbs. 19 C 4134, \$5 Monthly.....29.95

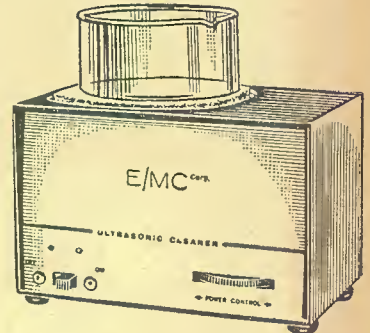
**AUTO DWELL/TACHOMETER.** Lets you monitor engine rpm and dwell angle. Indicates point condition, timing, cranking. Tachometer is useful for making accurate carburetor adjustments and setting idle speed; reads 0-1000, 0-5000 rpm. Dwell meter adjusts tones. For 4, 6, 8-cylinder engines, 6- or 12-volt systems, positive or negative ground. Has solid-state circuit, single range/function switch. With leads. 19 C 4135, Shpg. wt., 3 1/2 lbs. \$5 Monthly.....39.95

**NEW!**

## E/MC MODEL LP-2 HOME ULTRASONIC CLEANER



**Space-Age Cleaning**  
**\$39.95**



- Performance-Proven Cleaning Technique—Used in Industry and Defense
- Convenient Crystal Beaker Can Be Moved Without Moving Cabinet
- Automatic Overheat Cutoff Prevents Damage to Items Being Cleaned

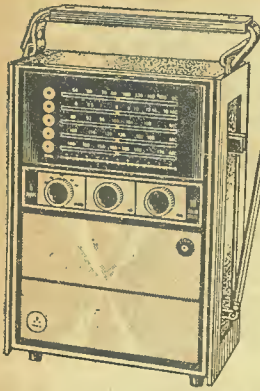
Excellent value in a highly useful ultrasonic cleaner for all types of delicate and intricate housewares. Gets to inaccessible places even brushes, and files miss. Has convenient crystal beaker for objects to be cleaned; stainless steel cabinet. Beaker can be easily removed, refilled and replaced without moving basic cabinet. Cleaning liquid operates at 90 kHz. Has automatic-heat cutoff to protect delicate objects from damage. Beaker is a full 3" diameter by 1 1/2" deep, can accept full set of dentures. Holds up to 1/2 pint cleaning fluid. Handsome white cabinet, with lid and storage base. Outfit includes sample bottles of jewelry cleaner; denture cleaner; silver/gold coin cleaner; copper/brass coin cleaner; plastic sponge. Cabinet size, 6x4x4". For 115 V, 60 Hz AC. 26 C 2108, Shpg. wt., 6 lbs. \$5 Monthly.....39.95

Depend on Allied for Complete Stocks, Low Prices, Friendly Service

**ALLIED 441**



# Exciting New Portable Radios . . . Radio/Phono



**BATTERY/AC FM-AM-SW-AIRCRAFT-POLICE/PUBLIC SERVICE BAND**

**\$69.95**

Automatically Switches to Battery Operation If AC Power Fails

**\$5 monthly**

Powerful 5-band solid-state portable brings you standard FM and AM coverage, international shortwave on 6-18 MHz, 108-135 MHz VHF aircraft and 146-175 MHz VHF Police/Public Service Band coverage. Operates anywhere on batteries or AC—switches to batteries automatically if AC power fails. Self-storing AC cord.

Easy-to-read slide-rule dial with logging scale makes tuning easy. Lighted band indicator. AFC prevents drift on FM stations. Ferrite AM, telescoping FM-SW-VHF antenna. Circuit has 18 transistors and 8 diodes. Handsome leather cabinet with heavy chrome side trim and spun metal grille. 10 $\frac{1}{4}$ x6 $\frac{1}{2}$ x3 $\frac{1}{4}$ ". U.L. Listed. With 4 "C" batteries, AC cord, earphone. Japan. 8 lbs.

10 C 4100 X, \$5 Monthly. . . . . **69.95**  
18 C 5078, Extra "C" Batts. 6 oz. . . . . 2/33¢



**6-BAND FM-AM-SW-LW-MARINE BATTERY/AC PORTABLE RADIO**

**\$99.95**

Includes World Map and Time Zone Dial Behind Hinged Cover

**\$5 monthly**

Full-feature 6-band portable brings you an exciting new world of listening pleasure. Covers your favorite FM and AM stations; 200-480 kHz longwave; 1.6-4 MHz for marine band, 160- and 80-meter Ham bands; and international shortwave on two bands, 4-12 MHz and 12-22 MHz for foreign broadcasts, Hams and government services.

Powerful circuit has 16 transistors and 10 diodes. Operates on 6 "C" batteries or 117 VAC with built-in self-storing AC line cord. Goes with you everywhere for exciting coverage and fine sound quality. Big 5" speaker delivers full sound. Tone control adjusts to suit your preference.

Instant pushbutton band selection; AFC control to lock-in FM stations, prevent drift; tuning/battery meter; twin telescoping antennas; dial lights; world map and time zone dial in cover. Die-cast front. 13x10x4". With batteries. Extra batteries at left. Japan. 15 lbs.

10 C 4124 U, \$5 Monthly. . . . . **99.95**



**BATTERY/AC FM-AM-SW-MB-VHF POLICE/PUBLIC SERVICE BAND**

**\$89.95**

Twin Telescoping Antennas for SW, FM and VHF Bands

**\$5 monthly**

Feature-packed portable offers exciting 6-band coverage. Tunes standard FM and AM; marine band from 1.6-4.5 MHz; 4.5-12 MHz for international shortwave; plus two VHF bands: 108-134 MHz aircraft and 148-174 MHz police/public service band.

Operates on 4 long life "D" batteries or 117 VAC with built-in AC cord. Over 1-watt output. Color-coded band selector; large, slide-rule dial; variable tone control; switchable AFC, fine-tuning control for use on SW, aircraft and police bands. Built-in AM twin telescoping FM-SW-VHF antennas. Padded leather cabinet, retractable chromed handle. 10x12 $\frac{3}{4}$ x5". With batteries, earphone. U.L. Listed, Japan.

10 C 4114 U, 12 lbs. \$5 Mo. . . . . **89.95**  
18 C 5079, Extra "D" Batts. 12 oz. 4/65¢



**COMPACT BATTERY/AC PORTABLE 3-SPEED PHONO/FM-AM RADIO**

**\$44.95**

- AFC on FM
- Tone Control
- Two Antennas

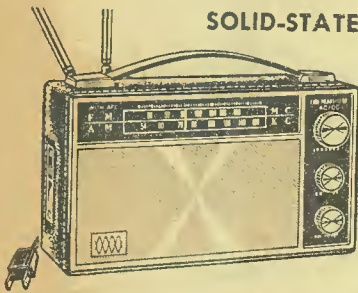
**\$5 monthly**

Easy-to-carry compact solid-state portable manual phono with FM-AM radio goes with you anywhere. Operates on 4 "D" batteries or 117 VAC. FM-AM radio offers good local reception. Has AFC to prevent FM drift, Ferrite AM, telescoping-swivel FM antenna.

Governor-controlled phono motor assures constant 3 $\frac{1}{2}$ %, 45, 78-rpm speeds. Plays all size records manually. Tubular metal pickup arm with ceramic cartridge and synthetic sapphire stylus. 10-transistors. 4" speaker. Tone control. Hi-impact case resists scuffs. With batteries. 3 $\frac{1}{4}$ x11 $\frac{1}{2}$ x12 $\frac{1}{4}$ ". From Japan. Wt., 6 lbs.

10 C 4278 X, \$5 Monthly. . . . . **44.95**  
10 C 4283 X, Portable AM-Phono. As above; 6-trans., less FM antenna. 5 $\frac{1}{2}$  lbs. 34.95

## SOLID-STATE FM-AM BATTERY/AC PORTABLES



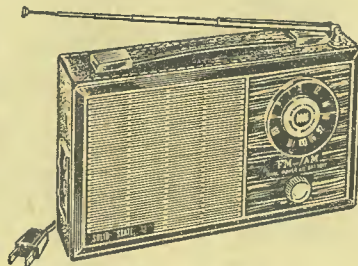
**FEATURE-PACKED FM-AM PORTABLE**

**\$27.95**

- Twin FM Antennas
- AFC on FM
- Leatherette Case

Excellent FM-AM portable operates up to 140 hours on 4 "C" batteries, or on 117 VAC with built-in cord. Dynamic 3" speaker delivers rich, wide-range sound. Boasts slide-rule dial, vernier tuning. AFC prevents drift. Built-in AM, twin telescoping 22 $\frac{1}{4}$ " FM antennas. 10 transistors. Leatherette case. 5 $\frac{1}{4}$ x8 $\frac{3}{4}$ x3". With 4 batteries, earphone. U.L. Listed. From Japan. 4 lbs.

10 C 4346 S, \$5 Monthly. . . . . **27.95**  
18 C 5078, Extra Batteries. 6 oz. . . . . 2/33¢



**VALUE-PRICED FM-AM PORTABLE**

**\$19.95**

- Self-Staring AC Cord
- AFC on FM
- Leatherette Case

Handsomely styled FM-AM portable offers good reception of your favorite local stations at a moderate price. Operates on 4 "AA" batteries or 117 VAC with built-in self-storing cord. AFC locks-in FM. 2 $\frac{3}{4}$ " speaker for clear, full sound. Has built-in AM, telescoping FM antennas. Leatherette case with walnut grain panel, chrome grille. 5 $\frac{1}{4}$ x9x2 $\frac{1}{4}$ ". U.L. Listed. 10-transistors. From Japan. Shpg. wt., 3 $\frac{1}{2}$  lbs.

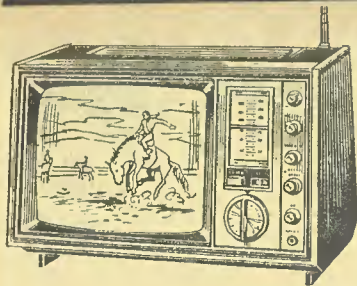
10 C 4222 S, \$5 Monthly. . . . . **19.95**  
18 C 5083, Extra Batteries. 5 oz. . . . . 2/27¢

### NOTE:

Police/Public Service Bands cover police, fire, emergency services, taxis, trains, etc. The closer you are to a city, highway or airport, the more VHF you will hear. Calls are brief and intermittent.



# Items Added Too Late for Regular Catalog Pages



**PANASONIC SOLID-STATE 9"-DIAG. PORTABLE TV WITH FM-AM RADIO**

**\$129<sup>95</sup>**

\$7 monthly

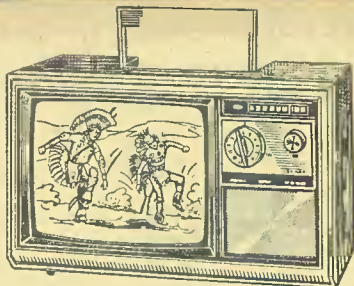
- Tinted Glass Screen
- Tunes all 82 Channels
- Optional Battery Pack

Deluxe portable lets you enjoy excellent all-channel VHF-UHF TV reception, plus fine FM and AM indoors or out. Remarkably compact solid-state portable provides clear pictures on 38 sq. in. viewing area. Dark tinted glass reduces glare and reflections for maximum picture contrast.

Truly portable operation available with optional battery pack (below). Battery pack snaps on bottom easily—styled to look like part of TV. Portable has: accurate slide-rule tuning for UHF, FM and AM; built-in VHF-UHF-FM-AM antennas; AFC; 4" oval dynamic speaker, earphone. Charcoal-brown with silver trim. 10 $\frac{1}{8}$ x12 $\frac{7}{8}$ x9 $\frac{3}{8}$ ". 120 VAC. From Japan. 20 lbs.

10 C 4232 U. \$7 Monthly.....129.95

"Snap-On" Battery Pack. Rechargeable. 10 C 4239 X.....34.95



**SHARP 9"-DIAGONAL PORTABLE SOLID-STATE VHF-UHF TV**

**\$99<sup>95</sup>**

\$5 monthly

- Built-in Battery Charger
- Optional Battery Pack, Car/Baat Card

Versatile portable operates on 117 VAC, 12 VDC with optional cord (below), or completely portable with optional rechargeable battery pack (below). TV features a built-in battery charger. Keyed AGC, AFC assure stable reception even in fringe areas. Brilliant pictures; 38 sq. in. viewing area. 4 $\frac{3}{8}$ x2 $\frac{3}{4}$ " speaker. Slide-rule UHF tuning. Telescoping VHF, loop UHF antennas. 90° aluminumized picture tube. Walnut-grain finish. 8 $\frac{1}{2}$ x13 $\frac{3}{4}$ x10 $\frac{1}{4}$ ". Earphone. U.L. Listed. 117 VAC. Japan. 15 lbs.

10 C 4076 U. \$5 Monthly.....99.95

10 C 4337 X. Portable Battery Pack. Rechargeable battery, case. 6 lbs.....15.95

18 C 5858. Extra Battery. 6 lbs.....10.62

10 C 4330 S. 12 VDC Card. 1 lb.....5.95

10 C 4082 X. Sun Screen. For outdoor viewing—cuts down glare. 2 lbs.....3.95

**PANASONIC 5"-DIAGONAL BATTERY/AC PORTABLE TV**



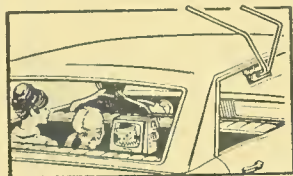
**\$129<sup>95</sup>**

\$7 monthly

- Includes Batteries and Recharger/AC Power Adapter

Exciting all-channel VHF-UHF personal portable weighs only 14 $\frac{1}{2}$  lbs. with batteries! Combined recharger-117 VAC adapter recharges batteries even while playing on AC. Built-in power indicator. Aluminumized picture tube for sharp picture detail on 16 sq. in. viewing area. AGC insures stability. Noise canceler circuit. Dark tinted glass cuts glare. Slide-rule UHF tuning. 2 $\frac{1}{2}$ " speaker. Telescoping VHF, bowtie UHF antennas. Earphone. 9 $\frac{1}{2}$ x6 $\frac{3}{8}$ x8 $\frac{1}{2}$ ". From Japan. Shpg. wt., 17 lbs.

10 C 4266 S. \$7 Monthly.....129.95



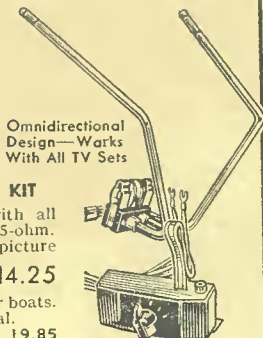
**JFD AUTO VHF-TV ANTENNA KIT**

Window mount antenna works with all tube or solid-state TVs, 300- or 75-ohm. With mounting clamp, 6-position picture clarifier, 10' coax cable.

10 C 4326 X. 3 $\frac{1}{2}$  lbs.....14.25

JFD BOAT TV ANTENNA. As above, for boats. 30' cable. All non-ferrous base-metal.

10 C 4327 X. 4 lbs.....19.85

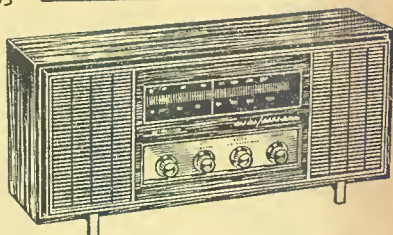


**Omnidirectional Design—Works With All TV Sets**

**SOLID-STATE STEREO FM-AM WALNUT-WOOD TABLE RADIO**

**\$64<sup>95</sup>**

\$5 monthly



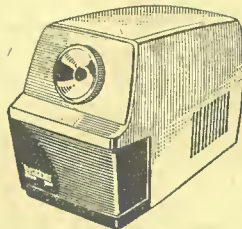
Decorator-styled stereo FM-AM radio delivers good sound through two 4" speakers. AFC. Slide-rule dial, stereo light, FM-AM pilot lights. Tone controls. Ceramic stereo phono input. Ferrite AM, wire FM antennas. Walnut-finished wood cabinet. 9 $\frac{1}{4}$ x19 $\frac{3}{4}$ x5 $\frac{3}{4}$ ". 117 VAC. From Japan. Shpg. wt., 12 lbs.

10 C 4349 X. \$5 Monthly.....64.95

**ELECTRIC PENCIL SHARPENER**

**\$13<sup>95</sup>**

- So Safe Even a Child Can Use It
- Sharpens Any Standard Pencil
- Cutting Action Stops Automatically
- Transparent Shaving Receptacle



Automatic electric pencil sharpener is a great time-saving convenience for office or home. Safe enough for a child to use. Simply insert any standard pencil and in seconds you have a perfect needle-sharp point. Cutting action stops automatically when point is sharp. Features a heavy-duty motor, precision-ground cutter and rugged die-cast metal construction for years of dependable service. Smartly styled to look at home on any desk. Transparent shavings receptacle slides out easily for quick, neat cleaning. 8x4x8". For 117 VAC. U.L. Listed. From Japan.

10 C 4353 S. Shpg. wt., 3 $\frac{3}{4}$  lbs.....13.95

**NEW ARGUS 806 SUPER 8 ZOOM MOVIE CAMERA**

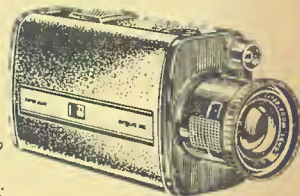


**\$74<sup>95</sup>**

\$5 monthly

**Behind-Lens Electric Eye**

**Compact Size**



New movie camera features hand-size styling and easy operation. Uses instant-loading Super 8 cartridges. Behind-the-lens CdS electric eye for correct exposure automatically. Fixed-focus f/1.8 zoom lens (2:1). Exposure indicator and film transport signal visible through viewfinder. End-of-film signal. Film footage indicator. Electric film drive. Safety switch prevents accidental exposure. Automatic A filter. Die-cast aluminum. With four batteries, pistol grip. From Japan. Shpg. wt., 4 $\frac{1}{2}$  lbs. See page 173 for film.

10 C 4285 S. \$5 Monthly.....74.95

Boost Your Buying Power with Allied's Credit Fund Plan

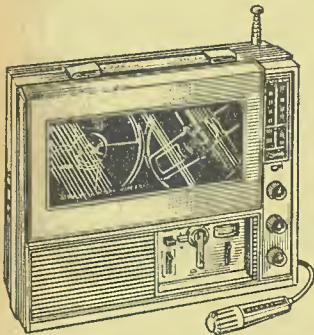
**ALLIED 443**



# New Tape Recorders, Players . . . Latest Models

REEL AND CASSETTE RECORDERS, PLAYERS, DECKS FROM AIWA, CRAIG

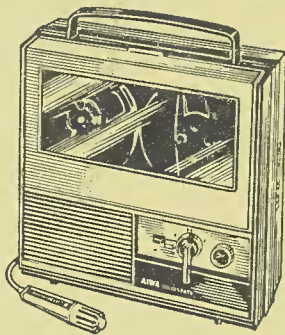
## AIWA, SOLID-STATE MONO PORTABLE RECORDERS



### TPR-102 RECORDER/FM-AM RADIO

- 2-Speed Recorder, FM-AM-SW Radio
- Constant-Speed Capstan Drive
- Battery/AC • 5" Reel Capacity

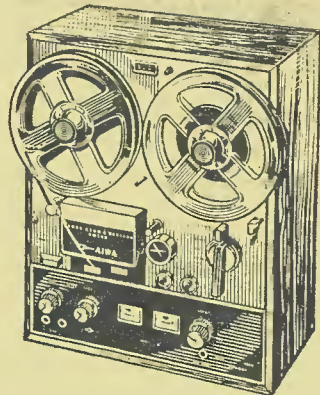
Exciting new portable entertainment center offered at an outstanding low price. Records from mike or built-in FM-AM-SW radio. . . . plays back thru 4" dynamic speaker. 2-track mono at 3 3/4 and 1 7/8 ips. Operates on 6 "D" batteries or 117 VAC. Built-in mike storage compartment. With mike, 5" reel tape, earphone, batteries, takeup reel. 11 3/8 x 9 x 4 1/8". From Japan. 15 C 7468 X, Wt., 10 1/2 lbs. . . . . 89.95



### TP-537 BATTERY/AC RECORDER

- Constant-Speed Capstan Drive
- Recording Level Meter
- Built-In AC Adapter

Feature-packed quality recorder. Records and plays 2-track mono at 3 3/4 and 1 7/8 ips using batteries or 117 VAC. 4" dynamic speaker; level meter; auxiliary, extension speaker jacks. 5" reel capacity. With on-off mike, 5" reel tape, earphone, 6 "D" batteries, takeup reel. 11 1/2 x 4 1/2 x 1 1/8". From Japan. 15 C 7469 X, Wt., 6 lbs. . . . . 79.95

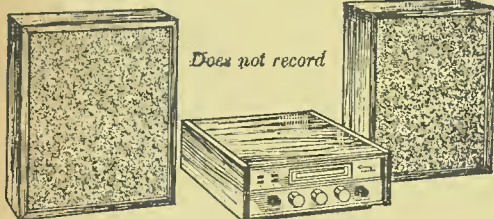


### AIWA TP-1011 STEREO TAPE DECK

- Two Record Level Meters • 3 Speeds
- 7" Reel Capacity • Headphone Jack
- 3 Heads: Permit Sound-an-Sound

Ideal high-quality addition to your stereo system. Records/plays 4-track stereo or mono at 7 1/2, 3 3/4, 1 7/8 ips. Features: separate erase, record, playback heads; function controls plus monitor facilities; jacks for mike, phono, aux., headphone, preamp; 2 record level meters; tape counter; sound on sound switch; walnut veneer wood base. With tape, 7" takeup reel, patch cords. 15 1/2 x 12 1/4 x 7 1/4". For 117 VAC. From Japan. 15 C 7470 U, Wt., 24 1/2 lbs. . . . . 229.95

## Craig STEREO CARTRIDGE PLAYER AND SYSTEM



*Does not record*

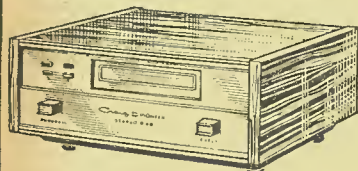
### 3203 COMPLETE STEREO CARTRIDGE PLAYER SYSTEM

- 6 Head Positions Exactly Aligned
- Plays 8- and 4-Track Cartridges
- "E-Z-JECT" Cartridge Release

Here is a "4+4" compatible stereo tape cartridge player system that offers top-quality performance from both 8-track and half-hour 4-track stereo tape cartridges. Complete system comes equipped with two 6-inch wide-range high-compliance speaker systems. You can enjoy your favorite artists and music up to 80 minutes (on 8-track twin-pack) at 3 3/4 ips. Six head positions assure exact track alignment for distortion-free sound. "E-Z-JECT" cartridge release button lets

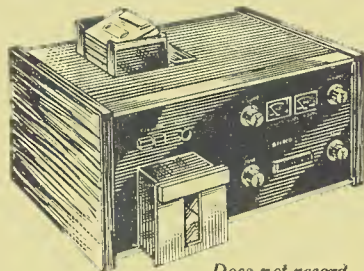
you change cartridges quickly and without effort. Other features include: volume, balance and tone controls; automatic cartridge and track selection; 70-10,000 Hz frequency response; 45 dB signal to noise ratio; 12-watt peak power output (6-watts per channel); 0.25% wow and flutter; 35 dB channel separation; program indicators. Oiled walnut. Speakers, 11 1/2 x 9 1/2 x 4 1/2". Player, 4 1/2 x 11 1/2 x 9 1/2". 117 VAC. 15 C 7471 U, 20 lbs. . . . . 119.95

### 3202 CRAIG STEREO TAPE CARTRIDGE PLAYER



*Does not record*

Plays back both 8-track and 30 minute 4-track stereo cartridges through your component system or console. Solid-state preamplifier plugs into any amplifier. Features: "Easy Touch" selector; closed front cartridge door; 70-10,000 Hz frequency response; 45 dB signal to noise; volume, balance and tone controls. Comes with preamp hookup cords. Walnut finish hardwood enclosure. 9 x 4 1/2 x 9 1/4". 115 VAC. From Japan. 15 C 7482 X, Shpg. wt., 6 lbs. . . . . 79.95



*Does not record*

### AIWA TP-1018 AUTOMATIC STEREO CASSETTE CHANGER/PLAYER

- Changes Cassettes Automatically
- Holds up to 6 Stereo Tape Cassettes
- Easy Pushbutton Operation
- Two Playback Volume Level Meters
- Separate Volume and Tone Controls

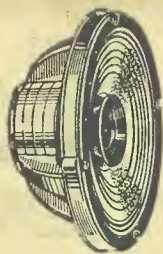
Now, for the first time—a revolutionary all-new concept in stereo tape players! Imagine, a cassette tape player that changes cassettes automatically. Insert up to six cassettes and enjoy your favorite music up to six hours without interruption.

17-transistor circuit offers superb music reproduction at 1 7/8 ips. Features: two power motors, one for tape drive, one for automatic changing; separate volume and tone controls for each channel; two playback level meters; amplifier plus preamp for use with your stereo system. Play, stop, manual change controls. 4 patch cords (2 speaker, 2 external amplifier); AC line cord, plug.

Output power: 3-watts. Frequency response: 50 to 10,000 Hz. Wow and Flutter: 0.25%. Impedance: 8 ohms. 10 1/4 x 14 1/2 x 7 1/2". Less speakers. For 110-120 V, 60 Hz AC. Shpg. wt., 20 lbs. 15 C 7467 U. . . . . 199.95



# Last-Minute Releases! Speakers and Cartridge



## GOODMANS OF ENGLAND

FAMOUS  
HI-FI  
SPEAKERS

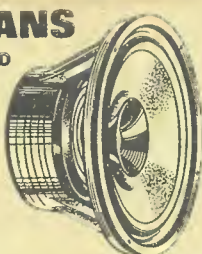
### NEW! TWINAXIETTE 8 8" SPEAKER

- Smooth Overall Response
- Generous Power Handling
- Excellent Magnet Damping

A fine value in a wide-range single-unit high-fidelity speaker. Enclosure volume needed is only 3000 cu. in., making it an ideal reproducer for compact high-fidelity systems.

High efficiency permanent ceramic magnet. Plasticized hyperbolic main cone. 1" aluminum voice coil. Housing is heavy non-resonant diecast chassis. Twin diaphragm with high stability inner cone for extended frequency range and very low level of distortion.

Response: 40-18,000 Hz. Impedance: 8 ohms. Power handling capacity: 20 watts. 3 3/4" deep. Shpg. wt., 4 1/2 lbs.  
20 C 8000. \$5 Monthly. .29.95



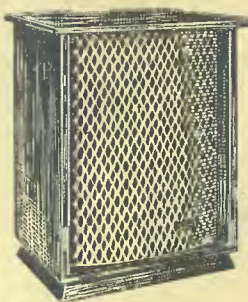
### NEW AT ALLIED—AXIOM 201 12" SPEAKER

- Extended Range, Rich Bass
- Very Low Distortion
- Plastic Suspension System

Custom-made for the audio enthusiast who wants a full 12" speaker with extended range, rich true bass, and very low distortion level.

Has twin diaphragm for smooth performance from 30-16,000 Hz. High-efficiency Ferroba II ceramic magnet. Plastic suspension system for flexibility and strength. Aluminum voice coil.

Maximum power handling capacity: 40 watts. Impedance: 8 ohms. Rugged diecast chassis. 5 7/8" deep. Overall diameter, 12 1/4". Fully dustproof construction. Enclosure volume required. 7800 cubic inches. Shpg. wt., 12 1/2 lbs.  
20 C 8001 X. \$5 Monthly 59.95



### 847A TWO-WAY 12" SPEAKER SYSTEM

- Deluxe 12" Woofer
- Multicellular HF Horn
- End-Table Size

System of striking beauty delivers magnificent sound. 12" woofer with 3" voice coil for clean lows, cast-zinc multicellular horn and driver for thrilling midrange and treble. 40-22,000 Hz response. 20 watts capacity. 8/16 ohm impedance. 3000 Hz crossover. Elegant walnut cabinet has 16th Century Spanish-style fretwork. Size, 26x19x14". Shpg. wt., 60 lbs.  
20C7437 Z. \$12 Mo. 221.40



FINE QUALITY BOOKSHELF,  
FLOOR SPEAKER SYSTEMS

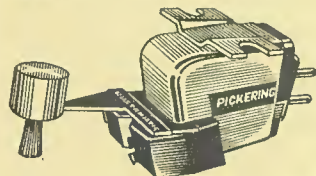


### 890B TWO-WAY 10" SHELF SYSTEM

- Distortion-Free Sound
- Special 10" LF Speaker
- 40-22,000 Hz Response

The "Bolero" delivers sound that fills the largest room. 10" low-frequency speaker reinforced by 10" free-suspension phase inverter provides low-end response equal to much larger systems. Massive 10-lb. magnet structure. Multi-cellular tweeter. Response, 40-22,000 Hz. Capacity, 25 watts. 8 ohms. 14 1/2 x 25 3/4 x 12". Walnut. 52 lbs.  
20 C 7441 Z. \$9 Mo. 161.55

### NEW PICKERING XV-15/750E DELUXE STEREO ELLIPTICAL CARTRIDGE WITH "DUSTAMATIC"



- Perfect for the Finest Turntables
- Extra-Light 1/2 to 1 Gram Tracking
- 15° Elliptical Diamond Stylus

Sensational new Pickering XV-15/750E magnetic stereo elliptical cartridge has been designed to exceed the exacting demands of the most critical audiophile. Perfect for the very finest manual and automatic turntables in both home and professional applications.

Boasts extra-high Direct Coupling Factor—750—suitable for the most sophisticated playback equipment. Linear response assures 100% music power at all frequencies. Replaceable V-Guard stylus assembly with 15°, .0002" x .0009" elliptical diamond stylus.

Response: 10-25,000 Hz. Output: 5.5 mV. Channel Separation: 35 dB. Tracking Force: 1/2 to 1 gram. Includes dust-matic brush that automatically cleans record grooves. Wt., 3 oz.  
13 C 3851 S. \$5 Monthly. . . . . 60.00

See Pages 64, 65 for  
Our Complete Selection  
of Magnetic Cartridges

**NEW!**

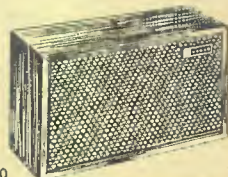
## SHELF SPEAKER SYSTEMS

**BOGEN**

### LS-10 TWO-WAY 6" SPEAKER SYSTEM

- Cloth-Roll Acoustic-Suspension System
- Frequency Response of 40-20,000 Hz
- Perfect Size for Limited-Space Systems

Compact system features cloth-roll acoustic-suspension 6" woofer with 6.8-oz. Alnico V magnet. 3" tweeter. Capacity, 30 watts IHF. 8 ohms. Electrical crossover at 1100 Hz. Oiled walnut finish. 15x8x7". Wt., 12 lbs.  
20 C 8310 X. \$5 Monthly. . . . . 44.95

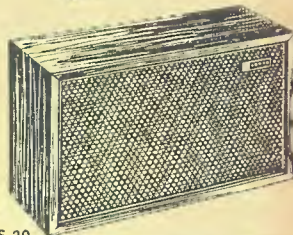


LS-10

### LS-20 TWO-WAY 8" SPEAKER SYSTEM

- Cloth-roll Acoustic-Suspension System
- 30-20,000 Hz Frequency Response
- Includes Tweeter Level Control

Cloth-roll acoustic-suspension 8" woofer with 6.8-oz. Alnico V magnet. 3" tweeter with 1.47-oz. Alnico V magnet. Response, 30-20,000 Hz. Capacity, 40 watts, IHF. 8 ohms. Tweeter level control. Oiled walnut finish. 19x10x9". Shpg. wt., 19 lbs.  
20 C 8311 U. \$5 Monthly. . . . . 53.95

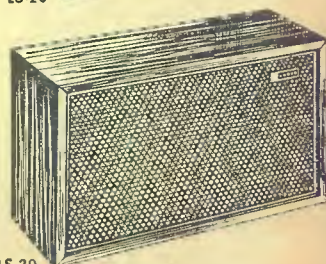


LS-20

### LS-30 THREE-WAY 10" SPEAKER SYSTEM

- Acoustic-Suspension 10" Woofer
- Tweeter and Midrange Controls
- Frequency Response, 28-20,000 Hz

Three-way system recreates vocal and instrumental passages with exceptional fidelity. Features an acoustic-suspension cloth-roll 10" woofer with 10-oz. Alnico V magnet for exceptionally clean and powerful bass. 5" cone type tweeter. Level controls for both midrange and tweeter. 28-20,000 Hz. 50 watts IHF. 8 ohms. Oiled walnut enclosure. 22x14x11". Shpg. wt., 28 lbs.  
20 C 8312 U. \$5 Monthly. . . . . 89.95



LS-30



# Important! No Money Down on Anything Allied Sells

STEP UP TO BETTER LIVING WITH ALLIED'S CREDIT FUND PLAN  
ORDER WHAT YOU NEED NOW . . . SEND NO MONEY FOR 30 DAYS

**FOR ONLY \$5 MONTHLY YOU CAN BUY UP TO \$100.00  
AND FOR \$26 MONTHLY YOU CAN BUY UP TO \$625.00**

Check Here for How  
Much You Can Buy  
and How Little You  
Pay Each Month

## CREDIT FUND PAYMENT TABLE

Monthly Payment	Unpaid Balance
Only	Buys Up To
\$5	\$100
\$6	\$120
\$7	\$140
\$8	\$160
\$9	\$180
\$10	\$200
\$11	\$220
\$12	\$240
\$13	\$260
\$14	\$280
\$15	\$310
\$16	\$340
\$17	\$370
\$18	\$400
\$19	\$440
\$20	\$480
\$21	\$500
\$22	\$525
\$23	\$550
\$24	\$575
\$25	\$600
\$26	\$625

Over \$625—Monthly payments will be in proportion to amounts on chart.

**Small Service Charge.** Only a small service charge of 1½% of the previous month's balance, minimum 70¢, is added to your monthly balance. There are no other charges. Your monthly statement shows exactly what you pay, what you owe and your unused credit.

APPLICATION BLANK IS  
ON THE REVERSE SIDE  
OF ORDER BLANK

## Get These 8 Outstanding Advantages . . .

- No money down**—Allied makes it easy to buy and so convenient. Buy to the full limit of your Credit Fund. Nothing to pay for 30 days.
- Continuous buying power**—Your Allied Credit Fund is like a lump sum deposit of money invested by Allied under your name, and ready for use by you alone at any time.
- You can take up to 24 months to pay**—Allied spreads your payments to suit your budget. Your Credit Fund is for your convenience.
- A permanent and self-replenishing fund**—Your purchases are charged against your Credit Fund, but every payment you make reduces the balance due and at the same time increases your credit. Your Credit Fund is always ready for you to use over and over again.
- Make add-on purchases at anytime—just say, "Charge It."** You don't have to complete payments on a previous purchase to make a new purchase.
- You always know where your account stands**—You get a full statement each month. No complicated records for you to keep.
- Use your credit fund as a 30-day charge account**—No service charge at all when you pay in full within 30 days.
- Shopping is quicker and easier**—You never have to figure freight or delivery charges—we prepay them and include them in your statement.

## Here's How Allied's Credit Fund Works . . .

When you first open an Allied CREDIT FUND account, we set up a Credit Fund in your name. It allows you a definite amount which we set aside in a lump sum credit deposit for your personal use. Buy anything you want.

You always know exactly how much more credit is available to you. Under the CREDIT FUND Plan, you can enjoy top buying power for low monthly payments. Example: A monthly payment of \$26 buys up to \$625.00.

### To Open Your Credit Fund Account . .

To enjoy the advantages of an Allied CREDIT FUND account, just fill in application on back of our order blank and send it in with your order.

### Low Monthly Payments . .

You can use all or any portion of the amount in your Fund. Your monthly payments depend on the amount you use (see Table at left).

Each time you buy, you draw against your Fund, but each payment you make goes toward building up more and more credit because you are continually replenishing the Fund. This means you can "add-on" new orders at any time—up to the full amount of your Credit Fund.

### Only Your Signature on Add-On Orders . .

You can "add-on" orders at any time for the unused amount in your Fund with no money down. Just sign your order in the space provided (minimum order \$10). Determine your monthly payment in the following way:

- Add amount of "add-on" order to your present unpaid balance.
- See Table at left to find monthly payment for new unpaid balance.
- If the monthly payment is the same or less than the amount you are currently paying, no change in your monthly payment is required.
- If monthly payment for your "add-on" order, plus your present unpaid balance is more than you currently pay, we will show the new monthly payment on your next statement.

### Simplest, Easiest Plan . .

Because you get a detailed personal statement each month, you don't have to bother with bookkeeping. You can check accuracy in seconds. Allied's CREDIT FUND Plan is the last word in low-cost convenience.

**NOTE:** All credit applications subject to approval by Allied Credit Counselors. Credit Fund accounts available only to residents of the 50 United States and members of U.S. armed services overseas. NO CREDIT APPLICATIONS ACCEPTED FROM PERSONS UNDER 21 YEARS OF AGE.

# IMPORTANT ORDERING INFORMATION

## CASH ORDERS

To assure fastest delivery, please send sufficient funds (money order or check) to cover the full amount of the merchandise ordered, plus transportation charges and insurance fees. (See next two pages for full information on how to estimate transportation charges and determine insurance rates.) By including adequate transportation and insurance fees, you are assured delivery even though you may not be at home. Any excess remittance will be promptly refunded. A handling charge of 50¢ will be applied on orders of less than \$5.00.

## CREDIT ORDERS

Far greater buying power, use Allied's Credit Fund Plan. No money down—take up to two years to pay. Your single, low monthly payment. We figure and prepay transportation charges and include them in your statement. Add-on orders require only your signature—no down payment is needed. **MINIMUM ADD-ON ORDER IS ONLY \$10.00.** See page 4. Application form is on the back of order blank.

## ABOUT OUR PRICES

**You Pay NET Prices.** Prices are net, f.o.b. Chicago, except where otherwise indicated. Our NET catalog prices are the prices you pay on shipments within the United States, and to Canada and Puerto Rico. For shipments to other countries, see "Export Orders" below. Prices, specifications and conditions of sale are subject to change without notice.

**Catalog Expiration.** The offerings in this catalog remain in effect until August 31st, 1969. If at that time you do not have a copy of the current Allied Catalog, please send us your request for the new edition.

## TO HELP YOU WRITE YOUR ORDER

**Please Use Our Order Blank.** To speed your order, fill in all information requested. Always show ZIP code on order blank, and envelope.

**Method of Shipment.** Depend on Allied to ship your order the best way. Items with suffix "U", "W" or "Z" in Stock No. are shipped Truck or Express. Include any special instructions on your order.

**Cash Orders.** On cash orders, please remit full amount for items ordered, plus transportation and insurance. Don't worry about sending too much. Every extra cent will be refunded promptly.

**Shipping Weights.** All weights shown in this catalog are shipping weights, unless otherwise indicated. Use weights in catalog and rate charts (following two pages) to determine shipping costs.

**Insurance.** To protect you, we insure all Parcel Post shipments with a dependable private insurance company. See page 448 for rates.

**How to Send Money.** Please send your remittance by Post Office or Express money order, bank draft, or check. **PLEASE DO NOT SEND STAMPS.**

## ABOUT C.O.D. ORDERS

To save you money, we strongly recommend that you send full remittance with your order. However, if you wish C.O.D. shipment, see page 448 for Money Order and C.O.D. charges. The minimum C.O.D. order is \$10.00. An advance deposit of 20% of the total order value is required.

## SHIPMENTS OUTSIDE THE CONTINENTAL UNITED STATES

**IMPORTANT!** On all merchandise to be shipped outside the United States, please allow 30 to 60 days for delivery. For faster shipment please request "Air". Be sure to include the additional air charges in figuring your order. See AIR PARCEL POST SHIPMENTS chart on page 448 or consult your local air agent for charges. No C.O.D. orders.

**CANADA.** We deduct 10% from face value of remittances in Canadian currency. Please add 10% to such remittances. Parcel Post limits: 30 lbs. and 72 inches (length plus girth). 80¢ for first 2 lbs.; 30¢ for each added lb. Insurance fees, p. 448. No C.O.D. or Air Parcel Post. We can ship Express or freight.

**ALASKA AND HAWAII.** Parcel Post is limited to 70 lbs. and 100 in. (length plus girth). Zone 8 rates. Insurance fees, p. 448. Marine and Risk insurance required as follows: Air Freight, 10¢ per \$100; Air Express, 18¢ per \$100; truck or ship, 50¢ per \$100.

**APO'S AND FPO'S.** Air and surface shipments are usually limited to 70 pounds and 100 inches (length plus girth). Determine restrictions to your APO or FPO before ordering. No C.O.D. shipments. Remit charges as follows:

**NEW YORK APO'S AND FPO'S.** Use Zone 5 rates. See chart on page 448. (Over 30 lbs. add 10¢ per lb.)

**SAN FRANCISCO APO'S AND FPO'S.** Use Zone 8 rates. See chart on Page 448. (Over 30 lbs. add 15¢ per lb.)

**U.S. POSSESSIONS.** All transportation charges must be included with remittance. No C.O.D. See your local agent for charges. Parcel Post shipments to Canal Zone, Canton Island, Guam, Mariana and Marshall Islands, Puerto Rico (see note below), Samoa, Virgin Islands and Wake Island are limited to 70 lbs. and 100 in. (length plus girth). Charges based on Zone 8 rates. Puerto Rico imposes excise taxes on delivery of electrical appliances (hi-fi, components, etc.) of at least 15%.

## EXPORT ORDERS

The minimum order we can accept for delivery outside the U.S. is \$25.00 in U.S. currency. Each export order must be accompanied by cash for the full amount of the order or an irrevocable letter of credit. Prices are net, f.o.b. our plant. Include 20% over merchandise value for documentation, packing and shipping costs. On orders over \$500.00

include 10%. Any extra money that is sent will be refunded. Parcel post to APO or FPO addresses are considered domestic mailings—use Zone 5 rates for New York, Zone 8 for San Francisco. For any additional information you may require, write to our Export Department, 100 N. Western Ave., Chicago, Illinois, 60680.

See Pages 448-450 for Additional Ordering Information

ALLIED 447



# IMPORTANT ORDERING INFORMATION

## USE YOUR ZIP CODE TO FIND YOUR PARCEL POST ZONE

Use the first 3 digits of your Zip Code number to determine your parcel post zone. Example: If your Zip Code is 58374,

use the first 3 numbers (583), and refer to chart below for your Zone which is 5.

Zip Code	Zone	Zip Code	Zone	Zip Code	Zone	Zip Code	Zone	Zip Code	Zone	Zip Code	Zone	Zip Code	Zone
006-009	8	286-289	4	400-406	3	474-478	3	560-574	4	718	5	835-839	7
010-046	5	290-292	5	407-409	4	479	2	575-579	5	719-729	4	840-849	6
047	6	293	4	410	3	480-489	3	580-581	4	730-739	5	850-854	7
048-098	5	294-295	5	411-419	4	490-491	2	582-589	5	740-744	4	855-863	6
100-129	5	296-297	4	420	3	492	3	590-591	6	745	5	864	7
130-132	4	298-299	5	421-422	4	493-495	2	592-593	5	746	4	865-880	6
133-139	5	300-303	4	423-424	3	496-499	3	594-599	6	747-748	5	881	5
140-179	4	304	5	425-426	4	500-504	3	600-605	1	749	4	882-883	6
180-199	5	305-307	4	427-428	3	505	4	606	Local	750-778	5	884-889	5
200-215	4	308-329	5	439	4	506-507	3	607-609	1	779-785	6	890-899	7
216	5	330-334	6	440-443	3	508-519	4	610-619	2	786-787	5	900-933	7
217	4	335-338	5	444-447	4	520	2	620-636	3	788	6	934	8
218-219	5	339-349	6	448-456	3	521-526	3	637-649	4	789-796	5	935-938	7
220-232	4	335-359	4	457	4	527-539	2	650-652	3	797-799	6	939-951	8
233-238	5	360-361	5	458-459	3	540	4	653-675	4	800-812	5	952-953	7
239-274	4	362	4	460-462	2	541-547	3	676-679	5	813-819	6	954-955	8
275-279	5	363-369	5	463-464	1	548	4	680-689	4	820-823	5	956-961	7
280-282	4	370-389	4	465-469	2	549	3	690-699	5	824-825	6	962-969	8
283-285	5	390-396	5	470-472	3	550-558	4	700-715	5	826-828	5	970-994	7
		397	4	473	2	559	3	716-717	4	829-834	6	995-999	8

## HOW TO ESTIMATE YOUR PARCEL POST CHARGES



Up to 16 oz., all zones allow 6¢ for first 2 oz., 2¢ for each additional oz. Find the weight of your merchandise in the extreme left-hand column of the chart at right. Pay the amount listed for Parcel Post shipment to your zone. A fraction of a pound is charged as a full lb. For example, if the weight is 4 lbs. and 1 oz. to Zone 4, postage would be for 5 lbs. (90¢). Over 30 lbs. shipped Truck or Express. See following page.

### PARCEL POST SHIPMENT

WEIGHT	Local	Zone 1, 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8
2	\$0.50	\$0.60	\$0.60	\$0.65	\$0.70	\$0.80	\$0.85	\$0.90
3	.50	.65	.70	.75	.85	.95	1.05	1.15
4	.55	.70	.75	.85	.95	1.10	1.20	1.35
5	.55	.75	.80	.90	1.05	1.25	1.40	1.60
6	.55	.80	.90	1.00	1.15	1.40	1.55	1.75
7	.60	.90	.95	1.10	1.30	1.50	1.75	1.95
8	.60	.95	1.00	1.15	1.40	1.65	1.90	2.15
9	.65	1.00	1.05	1.25	1.50	1.80	2.05	2.35
10	.65	1.05	1.15	1.35	1.65	1.90	2.25	2.55
11	.65	1.10	1.20	1.40	1.75	2.00	2.40	2.75
12	.70	1.15	1.25	1.50	1.85	2.15	2.55	2.90
13	.70	1.20	1.35	1.55	1.95	2.25	2.70	3.10
14	.75	1.25	1.40	1.65	2.05	2.40	2.85	3.25
15	.75	1.30	1.45	1.75	2.15	2.50	3.00	3.45
16	.75	1.35	1.55	1.80	2.25	2.60	3.15	3.60
17	.80	1.40	1.60	1.90	2.35	2.75	3.30	3.80
18	.80	1.45	1.65	1.95	2.45	2.85	3.45	4.00
19	.85	1.50	1.75	2.05	2.55	2.95	3.60	4.15
20	.85	1.55	1.80	2.10	2.65	3.10	3.75	4.35
21	.85	1.60	1.85	2.15	2.75	3.20	3.90	4.50
22	.90	1.65	1.90	2.25	2.80	3.30	4.05	4.70
23	.90	1.70	1.95	2.30	2.90	3.40	4.20	4.85
24	.95	1.75	2.00	2.35	3.00	3.55	4.35	5.00
25	.95	1.75	2.05	2.45	3.05	3.65	4.50	5.20
26	.95	1.80	2.05	2.50	3.15	3.75	4.65	5.35
27	1.00	1.85	2.10	2.55	3.25	3.90	4.80	5.55
28	1.00	1.90	2.15	2.60	3.35	4.00	4.90	5.70
29	1.05	1.90	2.20	2.70	3.40	4.10	5.05	5.90
30	1.05	1.95	2.25	2.75	3.50	4.20	5.20	6.05

### INSURANCE FEES

We insure all Parcel Post shipments with a private insurance company. In case of loss or damage, adjustment is made easily and quickly. Please allow for insurance fees as follows:

\$2.00 to \$15.00.....	20¢
\$15.01 to \$50.00.....	30¢
\$50.01 to \$100.00.....	40¢
\$100.01 to \$150.00.....	50¢
\$150.01 and Up.....	60¢

### C.O.D. ORDERS

To save you money, we strongly recommend that you send a remittance with your order. The Post Office charges both a C.O.D. fee, plus a money order fee. The minimum C.O.D. order is \$10.00, with a deposit of at least 20%. Estimate C.O.D. charges from both tables below.

#### PARCEL POST C.O.D. FEES:

\$0.01 to \$10.00.....	60¢	\$50.01 to \$100.00.....	90¢
\$10.01 to \$25.00.....	70¢	\$100.01 to \$200.00.....	\$1.00
\$25.01 to \$50.00.....	80¢		

#### MONEY ORDER C.O.D. FEES:

From \$0.01 to \$10.00.....	25¢
From 10.01 to 50.00.....	35¢
From 50.01 to 100.00.....	40¢



### AIR PARCEL POST

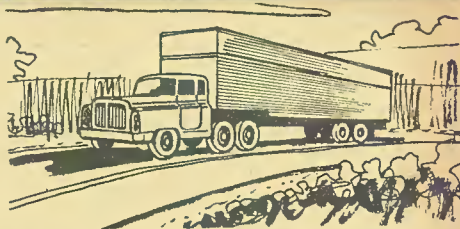
We will ship your order Air Parcel Post upon request. Weight and size limitations, 70 lbs. and 100 inches (length plus girth). Rates in table below.

10¢ per ounce, up to 3 ounces

Wt., lbs.	Zones								
	1, 2, 3	4	5	6	7	8			
1	\$0.80	\$0.80	\$0.80	\$0.80	\$0.80	\$0.80	\$0.90		
1-1½	.98	1.02	1.07	1.14	1.18	1.24			
1½-2	1.16	1.23	1.34	1.47	1.55	1.64			
2-2½	1.40	1.48	1.62	1.79	1.91	2.08			
2½-3	1.64	1.73	1.90	2.11	2.27	2.48			
3-3½	1.88	1.98	2.18	2.43	2.63	2.88			
3½-4	2.12	2.23	2.46	2.75	2.99	3.28			
4-4½	2.36	2.48	2.74	3.07	3.35	3.68			
4½-5	2.60	2.73	3.02	3.39	3.71	4.08			
Add per lb.	48¢	50¢	56¢	64¢	72¢	80¢			

# IMPORTANT ORDERING INFORMATION

NOTE: On Cash Orders, Be Sure to Include All Transportation Charges. A Handling Charge of 50¢ Will Be Applied on Cash Orders Under \$5.00. (Use Tables on These Two Pages to Calculate Charges.) On Credit Fund Orders, Allied Will Ship All Merchandise Prepaid and Transportation Charges Will Be Added To Your Credit Fund Account.



## SHIPMENT OF NON-MAILABLE ITEMS

Allied will ship your order the best and lowest cost way. Items weighing up to 30 lbs. and otherwise mailable will usually be sent Parcel Post. (See chart on page 448.) Items not mailable because of size or weight restrictions or because of their fragile nature are generally shipped as follows: Items with suffix letter "U" in Stock No. are either oversize for mail handling or fragile

and are usually shipped Express. Items with suffix letter "W" or "Z" are heavier items and are usually shipped by Truck. Calculate charges from appropriate tables below. Express charges usually include home delivery to urban areas, and in some cases to rural areas. Further information on this available from your local R.E.A. office.

## EXPRESS SHIPMENTS

Wt., Lbs.	Local to 150 mi.	151 to 300 mi.	301 to 600 mi.	601 to 1000 mi.	1001 to 1400 mi.	1401 to 1800 mi.	Over 1800 miles
1-10	\$5.50	\$5.50	\$ 5.50	\$ 5.60	\$ 5.75	\$ 6.20	\$ 6.40
11-20	5.50	5.50	6.50	6.75	7.05	8.00	8.30
21-30	5.65	5.95	6.85	7.85	8.35	9.75	10.20
31-40	6.00	6.45	7.65	9.00	9.65	11.50	12.10
41-50	6.40	6.95	8.45	10.15	10.90	13.25	14.00
51-60	6.80	7.45	9.25	11.30	12.20	15.00	15.95
61-70	7.15	7.95	10.05	12.40	13.50	16.75	17.85
71-80	7.55	8.45	10.85	13.55	14.80	18.50	19.75
81-90	7.95	8.95	11.60	14.70	16.10	20.25	21.65
91-100	8.30	9.40	12.35	15.70	17.25	21.85	23.35
Over 100 lbs., Add per lb.	7¢	8¢	12¢	15¢	17¢	22¢	23¢

## TRUCK SHIPMENTS

Wt., Lbs.	Under 150 mi.	151 to 300 mi.	301 to 500 mi.	501 to 750 mil.	751 to 1000 mi.	1001 to 1500 mi.	Over 1500 mi.
Under 100 lbs.	5.50	6.04	7.09	8.20	9.02	9.50	10.65
Over 100 lbs., Add per lb.	4¢	4¢	5¢	8¢	9¢	9¢	11¢

## HOME DELIVERY CHARGES ON TRUCK SHIPMENTS

On truck shipments consigned to the following states, add \$5.25 to the above rates, if delivery is to be made to a residence:

Alabama	Georgia	Maryland	Missouri	Ohio	Vermont
Connecticut	Indiana	Massachusetts	New Hampshire	Pennsylvania	Virginia
Delaware	Iowa	Michigan	New Jersey	Rhode Island	West Virginia
District of Columbia	Kentucky	Minnesota	New York	South Carolina	Wisconsin
Florida	Maine	Mississippi	North Carolina	Tennessee	

## AIR FREIGHT AND AIR PARCEL POST SHIPMENTS



"Rush" orders will be shipped via air freight, Air Express, or Air Parcel Post upon your request. Contact your local express or postal agent for information concerning shipping costs. Air Freight and Air Parcel Post charges should be included with remittance on cash orders.

## SHIPMENTS DIRECT FROM FACTORY

The letter "F" at the end of our Stock Nos. indicates merchandise that is shipped directly from the factory collected by Express or truck only. Freight and Express charges are based upon the distance from factory to point of destination.



See Following Page for Additional Information

ALLIED 449



# ALLIED GUARANTEES YOUR SATISFACTION OR YOUR MONEY BACK

If for any reason, you are not satisfied with your purchase, return it to us within 30 days in the original factory carton and we will exchange it or return your money (less transportation charges). Merchandise returned must not have been abused or altered. This policy does not apply to kits. See kit guarantees at right.

**SERVICE AND REPLACEMENT GUARANTEE:** All merchandise is guaranteed to be free of defects in material and workmanship for the period of time specified in the listing of the product. Where no time is specified, the guarantee is for 90 days. Wherever so indicated in our listing of the product we will replace it. Wherever our listing does not specify we will either replace it or repair it at our option. Item must be returned prepaid for our inspection.

**KNIGHT-KIT GUARANTEE:** All parts in kits are guaranteed to be free from defects in material or workmanship for 90 days. During this period we will replace or repair at our option any defective part returned to us. If your kit does not function properly when fully wired, it may be returned to us prepaid for inspection. If failure to function is due to improper wiring or handling, we will make the necessary corrections or repairs at modest charges. These charges vary with each kit and are shown in a price sheet enclosed with each kit.

**OTHER KITS:** Kits of manufacturer's other than Allied carry the same guarantee as above, except that Allied does not repair or rewire them. They must be returned to the manufacturer, who will determine the charges where applicable.

## IF IT IS NECESSARY TO WRITE TO US

We return your order papers with an invoice that summarizes prices and transportation charges. If you write to us about your order, please include all order papers and any correspondence that we have returned to you. If you don't have the order papers, provide us with the Stock Numbers, and description of the merchandise, the name and address that appeared on the original order, and the date of the order.

## LOCAL SERVICE FACILITIES

In many instances, our suppliers maintain service facilities around the country. Be sure to read your instruction manual. If it is necessary to return merchandise for service, write in advance—we will be able to advise you if service is available in your locality. This especially applies to High-Fidelity Components, Tape Recorders, Radios, Record Turntables and Television Sets.

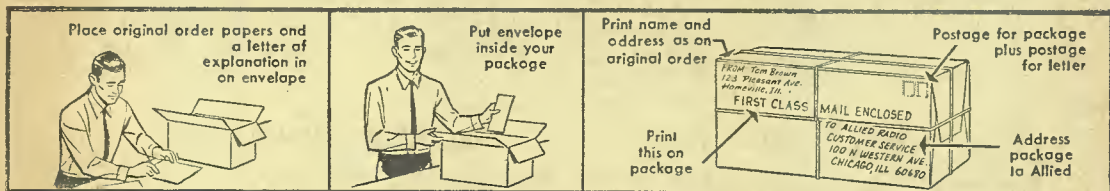
## IF YOU FIND IT NECESSARY TO RETURN MERCHANDISE

Returned Merchandise Should Be Shipped to Allied in Its Original Factory Carton, with All Papers, Correspondence, Instructions, Etc. Included. Also Return All Accessories That Came with The Merchandise (Test Equipment Probes, Cases, Books, Instruction Manuals). This Will Assure Fastest Adjustments with No Delays in Handling.

**Parcel Post.** Place instructions, all papers and correspondence in an envelope inside package. Mark "First Class Mail Enclosed" and add extra postage for letter. Be sure to insure the package.

**Express and Truck.** Place all papers in a stamped, sealed envelope inside the package. Date envelope and draw lines across the stamp with ink. Your name and address should be on an envelope and package.

**SHIP PREPAID TO: Allied Radio Corporation, Customer Service Dept.  
100 N. Western Ave., Chicago, Illinois 60680**



## IF YOUR ORDER IS RECEIVED DAMAGED

If Parcel Post shipments are received damaged, contact our Customer Service Department by letter. In case of truck or express shipments, if there is apparent or obvious damage, be sure this is noted on the receipt when you sign for delivery. If you find concealed damage upon opening your shipment, retain all packing materials (both internal and external) and

contact your carrier to obtain an inspection. In either case return all papers, delivery receipt and inspection report to us, and wait for our instructions on how to return goods. (In order to make adjustments as quickly as possible, we recommend that all shipments be opened and inspected immediately for damage.)

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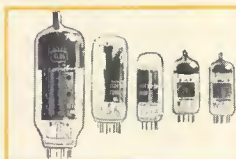
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Dept. No.	Tube Type	EACH		
		1-9	10-49	50-Up
25 C 51	0Z4	1.46	1.30	1.17
25 C 51	1G3GT/1B3GT	1.53	1.36	1.22
25 C 51	1K3/1J3	1.53	1.36	1.22
25 C 51	1V2	1.15	1.02	.92
25 C 51	1X2B/1X2A	1.53	1.36	1.22
25 C 51	2CV5	1.80	1.60	1.44
25 C 51	3A3A/3B2	1.44	1.28	1.15
25 C 51	3AT2	1.37	1.22	1.10
25 C 51	3B26	1.33	1.18	1.06
25 C 51	3CB6/3CF6	1.33	1.18	1.06
25 C 51	3DK6	1.33	1.18	1.06
25 C 51	3DT6A	1.33	1.18	1.06
25 C 51	3GK5	1.89	1.68	1.51
25 C 51	3G8S/3BU8	2.00	1.78	1.60
25 C 51	3V4	1.53	1.36	1.22
25 C 51	4BZ6	1.33	1.18	1.06
25 C 51	4CB6	1.28	1.14	1.03
25 C 51	4DT6A	1.33	1.18	1.06
25 C 51	4EH7	1.60	1.42	1.28
25 C 51	4EJ7	1.60	1.42	1.28
25 C 51	5AR4	1.91	1.70	1.53
25 C 51	5AQ5	1.33	1.18	1.06
25 C 51	5CG8	1.67	1.48	1.33
25 C 51	5U4GB	1.15	1.02	.92
25 C 51	5U8	1.73	1.54	1.39
25 C 51	5Y3GT	1.01	.90	.81
25 C 51	6AF4A	1.85	1.64	1.48
25 C 51	6AG5	1.53	1.36	1.22
25 C 51	6AK5/EF95	2.14	1.90	1.71
25 C 51	6AL5	1.01	.90	.81
25 C 51	6AM8A	1.67	1.48	1.33
25 C 51	6AN8A	1.94	1.72	1.55
25 C 51	6AQ5A	1.33	1.18	1.06
25 C 51	6AR11	2.03	1.80	1.62
25 C 51	6AS5	1.46	1.30	1.17
25 C 51	6AU4GTA	1.80	1.60	1.44
25 C 51	6AU6A	1.08	.96	.86
25 C 51	6AU8A	2.21	1.96	1.76
25 C 51	6AV6	.88	.78	.70
25 C 51	6AW8A	1.73	1.54	1.39
25 C 51	6AX4GTB	1.33	1.18	1.06
25 C 51	6AY3B	1.53	1.36	1.22
25 C 51	6BA6/EF93	1.08	.96	.86
25 C 51	6BC8	1.87	1.66	1.49
25 C 51	6BE6	1.28	1.14	1.03
25 C 51	6BH8	2.07	1.84	1.66
25 C 51	6BJ6	1.46	1.30	1.17
25 C 51	6BK4B	3.40	3.02	2.72
25 C 51	6BK7B	1.80	1.60	1.44
25 C 51	6BL7GTA	2.27	2.02	1.82

Dept. No.	Tube Type	EACH		
		1-9	10-49	50-Up
25 C 51	6BL8/ECF80	1.21	1.08	.97
25 C 51	6BN6	1.67	1.48	1.33
25 C 51	6BN8	1.67	1.48	1.33
25 C 51	6BQ5/EL84	1.46	1.30	1.17
25 C 51	6BQ6TB/6CU6	2.00	1.78	1.60
25 C 51	6BQ7A	1.87	1.66	1.49
25 C 51	6BR8A/6FV8A	1.94	1.72	1.55
25 C 51	6BU8	1.87	1.66	1.49
25 C 51	6BZ6	1.21	1.08	.97
25 C 51	6BZ7	1.87	1.66	1.49
25 C 51	6C4	1.01	.90	.81
25 C 51	6CB6A/6CF6	1.28	1.14	1.03
25 C 51	6CD6GA	2.61	2.32	2.09
25 C 51	6CG7	use 6FQ7/6CG7		
25 C 51	6CG8A	1.60	1.42	1.28
25 C 51	6CL6	1.87	1.66	1.49
25 C 51	6CL8A	1.87	1.66	1.49
25 C 51	6CM7	1.46	1.30	1.17
25 C 51	6CQ8	1.67	1.48	1.33
25 C 51	6CU5	1.60	1.42	1.28
25 C 51	6CX8	2.14	1.90	1.71
25 C 51	6CW4	2.21	1.96	1.76
25 C 51	6CY5	1.80	1.60	1.44
25 C 51	6DE4	1.60	1.42	1.28
25 C 51	6DE6	1.33	1.18	1.06
25 C 51	6DK6	1.33	1.18	1.06
25 C 51	6DQ5	3.54	3.14	2.83
25 C 51	6DR7	2.07	1.84	1.66
25 C 51	6DT6A	1.21	1.08	.97
25 C 51	6DW4B	1.58	1.40	1.26
25 C 51	6E4R	1.60	1.42	1.28
25 C 51	6EB8	2.27	2.02	1.82
25 C 51	6EH7/EF183	1.73	1.54	1.39
25 C 51	6EJ7/EF184	1.60	1.42	1.28
25 C 51	6EM5	1.67	1.48	1.33
25 C 51	6EM7	2.34	2.08	1.87
25 C 51	6EW6	1.21	1.08	.97
25 C 51	6FG7	1.87	1.66	1.49
25 C 51	6FQ7/6CG7	1.06	.94	.85
25 C 51	6GE5	1.73	1.54	1.39
25 C 51	6GF7A	2.18	1.94	1.75
25 C 51	6GH8A	1.44	1.28	1.15
25 C 51	6GK6	1.53	1.36	1.22
25 C 51	6GM6	1.46	1.30	1.17
25 C 51	6GN8	1.94	1.72	1.55
25 C 51	6GU7	1.53	1.36	1.22
25 C 51	6GW6/6DQ6B	1.89	1.68	1.51
25 C 51	6GW8/ECL86	1.37	1.22	1.10
25 C 51	6GY6	1.31	1.16	1.04
25 C 51	6HM5/6HA5	1.73	1.54	1.39

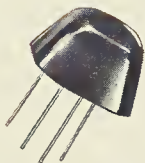
Dept. No.	Tube Type	EACH		
		1-9	10-49	50-Up
25 C 51	6HQ5	2.03	1.80	1.62
25 C 51	6HS8/6KF8	1.94	1.72	1.55
25 C 51	6HZ6	1.35	1.20	1.08
25 C 51	6J6A	1.46	1.30	1.17
25 C 51	6JB6A	2.63	2.34	2.11
25 C 51	6JC6A	1.78	1.58	1.42
25 C 51	6JE6A	3.82	3.40	3.06
25 C 51	6JH6	1.33	1.18	1.06
25 C 51	6JS6B	3.29	2.93	2.64
25 C 51	6JT8	1.80	1.60	1.44
25 C 51	6JUBA	1.73	1.54	1.39
25 C 51	6KG6T	1.33	1.18	1.06
25 C 51	6KA8	2.03	1.80	1.62
25 C 51	6KZ8	1.67	1.48	1.33
25 C 51	6L6GC	2.14	1.90	1.71
25 C 51	6SA4	1.33	1.18	1.06
25 C 51	6SN7GTB	1.40	1.24	1.12
25 C 51	6T8A	1.67	1.48	1.33
25 C 51	6UBA/6KD8	1.40	1.24	1.12
25 C 51	6V6GTA	1.46	1.30	1.17
25 C 51	6W6GT	1.67	1.48	1.33
25 C 51	6X4	.95	.84	.76
25 C 51	6X8A	1.53	1.36	1.22
25 C 51	7AU7	1.21	1.08	.97
25 C 51	8AW8A	1.94	1.72	1.55
25 C 51	8FQ7/8CG7	1.06	.94	.85
25 C 51	10DE7	2.00	1.78	1.60
25 C 51	12AD6/12GA6	1.40	1.24	1.12
25 C 51	12AT7/ECC81	1.29	1.14	1.03
25 C 51	12AU6	1.15	1.02	.92
25 C 51	12AU7A/ECC82	1.15	1.02	.92
25 C 51	12AV6	.88	.78	.70
25 C 51	12AX4GTB	1.21	1.08	.97
25 C 51	12AX7A/ECC83	1.21	1.08	.97
25 C 51	12AZ7A	1.46	1.30	1.17
25 C 51	12BA6	.95	.84	.76
25 C 51	12BE6	1.15	1.02	.92
25 C 51	12BH7A	1.42	1.26	1.13
25 C 51	12BY7A	1.44	1.28	1.15
25 C 51	12CU5/12C5	1.53	1.36	1.22
25 C 51	12GW6/12DQ6B	1.91	1.70	1.53
25 C 51	22BW3	1.37	1.22	1.10
25 C 51	23Z9	2.12	1.88	1.69
25 C 51	35C5	1.21	1.08	.97
25 C 51	35W4	.74	.66	.59
25 C 51	35Z5GT	1.21	1.08	.97
25 C 51	50C5	1.15	1.02	.92
25 C 51	50EH5	1.21	1.08	.97
25 C 51	50L6GT	1.60	1.42	1.28

Be Sure to Specify Dept. No. and Tube Type When Ordering

ALLIED 455



# Fascinating Solid-State Modules for Hobbyists



Low As

**\$2.98**  
Each

## SOLID-STATE MODULES

### Intercom Amplifier

**AIC-3.** Complete solid-state circuit for sensitive intercom. Use with A, two C (or D), H and K below.  
24 C 9465.....2.98

### Public Address Amplifier

**APA-3.** Portable high-gain PA system can be used anywhere. Use with A, C (or D), E, J and L, below.  
24 C 9466.....2.98

### Electronic Siren

**ASM-3.** Loud siren simulates wail of mechanical sirens. Use with A, C (or D), E and F, listed below.  
24 C 9469.....2.98

### CB Microphone Preamp

**AMP-3.** Doubles output of your mike. Use with E and M, below. Requires shielded mike cable, 1½-V battery.  
24 C 9470.....2.98

### Electronic Burglar Alarm

**ABA-3.** High-volume siren protects lives and property. Use with A, C (or D), E and G, listed below.  
24 C 9471.....2.98

### Telephone Amplifier

**ATA-3.** Telephone amplifier permits group telephone listening. Use with A, C (or D), E, L and P, below.  
24 C 9472.....2.98

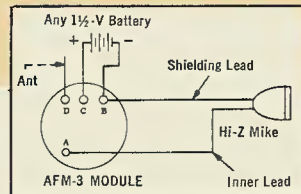
### AM Wireless Mike Transmitter

**AWM-3.** Transmit into your AM radio. No license required, using antenna up to 10-ft. long. Input is under 100 mW. Use with B, J, below.  
24 C 9473.....2.98

### FM Wireless Mike Transmitter

**AFM-3.** Transmit your voice to your FM radio. No license required. Use with J, below, and 1½-V battery.  
24 C 9474.....2.98

Modules are 1½x1¼x1", except AMP-3 and AFM-3 are 2x1½x1½".



### New Shortwave Converter

**CM-S.** Receive shortwave stations using AM radio. Tunes 25, 31, 41-meter bands (7-12 MHz). Use B, below.  
24 C 9462. Shpg. wt., 8 oz.....5.00

### New VHF Police, Fire Converter

**CM-P.** Receive police, fire calls using AM radio with this complete module. Tunes 30-50 MHz. Use B, below.  
24 C 9463. Shpg. wt., 8 oz.....5.00

### New VHF Aircraft Converter

**CM-A.** Receive aircraft and control tower transmission using AM radio. Tunes 118-128 MHz. Use B, below.  
24 C 9464. Shpg. wt., 8 oz.....5.00



**FREE**  
Mounting Board Is Included with Each Midland Module

**BLOCK MODULE**  
FM TRANSMITTER  
PM-31

Each:  
2½x1¼x7/8"

## MIDLAND SOLID-STATE MODULES

**14-640 Phono Preamp.** Amplifies magnetic type cartridges 0.5 V to 1.0 V RIAA curve characteristic. Flat response. Use 9-12 VDC supply. Japan.  
24 C 9490. Shpg. wt., 6 oz.....2.49

**14-641 Tape Preamp.** Can amplify tape head up to 0.5 V to 1.0 V. NARTB curve characteristic. Flat response. Use as pre-amp for hi-fi amplifier used with tape deck, Japan.  
24 C 9491. Shpg. wt., 6 oz.....2.49

**14-643 Power Amplifier.** Can produce up to 300 mW when combined with 14-640, or 14-641 (above). Use with 8 or 16-ohm speaker. Japan.  
24 C 9492. Shpg. wt., 6 oz.....2.98

**14-644 FM Transmitter Module.** Transmit on 88 to 108 MHz through FM receiver up to 50 yards away. Use with 14-640 or 14-641. Japan.  
24 C 9493. Shpg. wt., 6 oz.....2.98

**14-646 Electronic Organ Module.** Tone oscillator specifically designed for use with electric organs. Can be adjusted to raise key pitch as much as 2½ octaves. Japan.  
24 C 9494. Shpg. wt., 6 oz.....1.98

**14-648 Wireless Code Oscillator.** Transistorized. For code practice. Use with N, below, and any PM speaker, 3 to 9-V battery. Japan.  
24 C 9495. Shpg. wt., 6 oz.....1.98

## SELECTED ACCESSORIES FOR USE WITH MODULES

- A** Type 510S 6-Volt Lantern Battery. For modules above.  
18 C 5085. Shpg. wt., 1½ lbs... 92¢
- B** Knight 9-Volt Battery. 6 oz.  
18 C 5980... Pkg. of 2 for 59¢
- C** 8" Round Speaker, 8 Ohms. Ideal for use with modules requiring an efficient quality PM speaker.  
24 C 9530. Wt., 1½ lbs.....2.49
- D** 4" Square Speaker, 8 Ohms. For use with low-output modules.  
24 C 9533. Wt., 12 oz.....79¢
- E** Type 41047 Rotary SPST Switch. Use as on-off with modules.  
56 C 4165. Shpg. wt., 2 oz.....45¢

- F** Type 188 Pushbutton Switch. Momentary-contact SPST switch.  
56 C 4890. Wt., 2 oz.....46¢
- G** Type BRD2-5L-IS Interlock Switch. Flat base, solder terminals.  
56 C 3971. Wt., 4 oz.....2.00
- H** Type G342 4PDT Switch. 4PDT slide switch for use with Intercom module. Has solder-lug terminals. Shpg. wt., 3 oz.  
56 C 5036.....65¢
- J** Crystal Lapel Mike. High-impedance mike. Response: 60-5000 Hz,—60 dB output. From Japan.  
24 C 9881. Shpg. wt., 4 oz.... 98¢

- K** Type U-12 5000-Ohm Control. Volume control.  
46 C 3751. Wt., 3 oz.....1.02
- L** Type U-53 1-Megohm Control.  
46 C 3776. Wt., 3 oz.....1.02
- M** Type U-48 ½-Megohm Control.  
46 C 3773. Wt., 3 oz.....1.02
- N** Telegraph Key. Fully adjustable key has brass base with shorting bar, silver contacts. 2 lbs.  
17 C 6656.....2.35
- P** Magnetic Telephone Pickup. Attaches to phone with suction cup. Shielded cable.  
24 C 9392. Shpg. wt., 4 oz.... 98¢

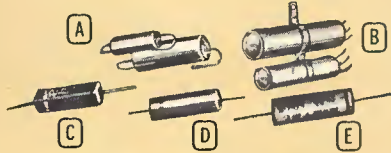
# Component Part Bargains at Unbeatable Prices

## Disc Ceramic Capacitors by Famous Manufacturers

**48 for 98¢**



Stock up on these quality disc ceramic capacitors. Generous 48-piece assortment includes values from 2 pF to 1000 pF at 50-5,000 VDC. All are manufactured in America. All have parallel wire leads. Shpg. wt., 8 oz.  
24 C 9958.....Pkg. of 48 for 98¢



### Capacitor Bargains

Standard Brands, Popular Values

**(A) Single-Section Electrolytics.** Aluminum cans. 3" axial leads. 4 oz.

Stock No.	μF	WVDC	EACH
24 C 9988	150	150	.75
24 C 9989	200	200	.98
24 C 9990	20	450	.49
24 C 9991	40	450	.59
24 C 9992	80	450	.89

**(B) Multisection Copocitors.** Wax filled. Tinned leads. Mounting strap. 4 oz.

Stock No.	μF	WVDC	Size	EACH
24 C 9993	50-30	150	2½x1"	.45
24 C 9994	50-30-20	150	2½x½"	.69
24 C 9995	80-40	150	2½x1"	.79

**(C) Plastic Molded and Ceramic Copocitors.** Less than 4¢ each! Selection of popular values for every need, in voltages from 50 to 6000 volts. 10 oz.

24 C 9962.....Pkg. of 25 for 98¢

**(D) Tubular Capacitors.** Wax impregnated. U.S.-made standard brands. 100 to 1000 WVDC. Axial leads. 12 oz.

24 C 9584.....Pkg. of 40 for 98¢

**(E) Ceramic Tubulors.** Values from 1 μF to 3000 μF. Most are NPO and N750 temperature coefficient types. 3 oz.

24 C 9357.....Pkg. of 100 for 98¢

### Bargain Assortments in Plastic Cases

**Miniature Electrolytics.** For solid-state. 5 eo: 10μF, 16 WVDC; 20 μF, 20 WVDC; 30 μF, 6 WVDC; 50, 100 μF, 3 WVDC. 5 eo: 2 other values. Wt., 8 oz.

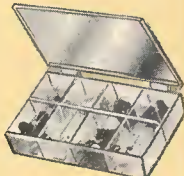
24 C 9265.....40 for 3.95

**½-Watt Resistor Assortment.** (Not illus.) 8 Each: 1000, 47K, 100K, 270K, 1.0 meg; 7 each: 4700, 10K, 220K, 212 meg; 5 Each: 3300, 22K, 27K, 33K, 330K, 4.7 meg; 4 Each: 100, 470, 1500, 2200, 2700, 56K, 68K, 313 meg; 3 Each: 47, 220, 270, 10 meg. Wt., 4½ lbs.

24 C 9190.....Pkg. of 150 for 5.98

**72-Pc. Copocitor Assortment** (Not illus.) Ceramic or molded. Fifteen: .01; twelve: .05; eight: .005, .02, .1; five: .001, .002, .047; two: .0047, .03, .25 μF. Clear plastic case.

24 C 9196. Shpg. wt., 2 lbs. ....72 for 5.98



## Carbon Resistor Assortment

Low As **\$129** Stock Up Now At Big Savings



½ Watt. Famous brands. ±10% tolerance. Two each: 3.9, 10, 12, 15, 22, 27, 39, 82, 120, 150, 180, 270, 390, 470, 560, 680, 820, 1200, 1800, 2700, 3300, 3900, 5600, 6800, 8200, 12K, 18K, 22K, 27K, 33K, 39K, 68K, 82K, 100K, 120K, 150K, 330K, 390K, 470K, 680K, 820K ohms; 1, 1.5, 1.8, 2.2, 3.3, 56., 6.8, 8.2, 10 megs. Shpg. wt., 5 oz.

24 C 9660.....Pkg. of 100 for 2.98

½ Watt. Two each: 10, 12, 15, 18, 22, 27, 33, 39, 47, 56, 68, 82, 100, 120, 150, 180, 220, 270, 330, 390, 470, 560, 680, 820, 1000, 1200, 1500, 1800, 2200, 2700, 3300, 3900, 4700, 5600, 6800, 8200, 10K, 12K, 15K, 18K, 22K, 27K, 33K, 39K, 47K, 56K, 68K, 82K, 100K, 120K, 150K, 180K, 220K, 270K, 330K, 390K, 470K, 560K, 680K, 820K; 2 each 1-15 megs.

24 C 9377. Shpg. wt., 10 oz.....Pkg. of 150 for 3.95

¼, ½, 1, 2 Watt. 25 ¼-watt, 100 ½-watt, 25 1-watt, 50 2-watt. Tolerances of ±5% and ±10%. Color coded. Wt., 10 oz.

24 C 9285.....Pkg. of 200 for 3.49

½, 1, 2 Watt. 40 ½-watt, 30 1-watt, 30 2-watt.

24 C 9329. (±5% and ±10% tol.) 5 oz. Pkg. of 100 for 1.98

½ Watt. 100 popular values. ±10%. Color coded.

24 C 9699 R. Shpg. wt., 5 oz.....Pkg. of 100 for 1.98

¼ Watt. 50 most-wanted values. ±5% and ±10%.

24 C 9488. Shpg. wt., 4 oz.....Pkg. of 50 for 1.29

### ½-Watt Insulated Film Resistors

For the first time! 150 ½-watt film-type resistors in an assortment of most popular values —less than 2¢ each! Values from 80 ohms to 20 megs. ±1% tolerance. Shpg. wt., 8 oz.

24 C 9503...Pkg. of 150 for 2.98

**150**  
for  
**\$298**



### Power Resistor Assortment

Wire-wound axial lead power resistors. Includes 25 values from 3 watts to 35 watts. Compact size. Ceramic case. 10% tolerance. Install flat or stacked. Wt., 10 oz.

24 C 9286. Pkg. of 100 for 1.98

24 C 9960. 25-Pc. Assortment. Power rating 3 to 10 watts. 6 oz.....25 for 98¢

**100**  
for  
**\$198**



### Mica Capacitor Assortment

Here is a great opportunity to stock up on quality Duramica capacitors. 250-piece assortment includes popular values from 33 pF to 400 pF. All have axial wire leads. Wt., 12 oz.

24 C 9288. Pkg. of 250 for 98¢

**250**  
for  
**98¢**



### 40 Miniature Electrolytics

For printed circuit use. 5 Each: 2 μF, 25 WVDC; 10 μF, 15 μF @ 6 WVDC; 2 μF, 10 μF @ 25 WVDC; 10 μF, 20 μF @ 50 WVDC; 90 μF, 3 WVDC. In plastic storage case. Wt., 8 oz.

24 C 9289.....40 for 3.95

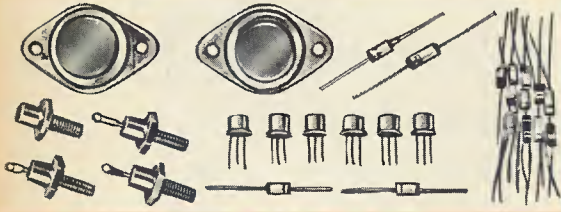
**40**  
for  
**\$395**





# Big Selection of Values for the Experimenter

## 38-Piece Semiconductor Assortment



**\$1.98**

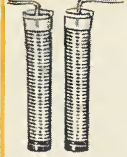
- Wide Variety of Quality Semiconductors
- Ideal for Hobbyists and Experimenters
- Cost Less than 6¢ Each per Item

Handy assortment contains a wide variety of quality semiconductors for use by technicians, experimenters and hobbyists. Assortment includes: 4 PNP transistors, 4 NPN transistors, 2 power transistors (in TO-3 case), 4 silicon rectifiers (rated 2 amps), 20 germanium diodes and 4 zener diodes (rated ¼ watt). Shpg. wt., 4 oz.  
24 C 9477 ..... 1.98

**Soldering Gun**  
**\$1.79**



Compact, lightweight 30-watt soldering gun has 3-inch long-life copper tip. Ideal for reaching hard to get at locations. Balanced handle. 3' cord. 10" long. U. L. Listed. For 110-120 V, 60 Hz AC. Japan.  
24 C 9847. Shpg. wt., 2 lbs. . . . 1.79



**Dual-Pack Solder**  
**2 for 79¢**

Includes Rosin and Acid-Core Types

A solder for every use—for hobbyist, radio and TV experimenter, serviceman. Both solders are 40/60 tin/lead alloy. 5' length ea. Rosin core for electronics; acid-core for general use.  
24 C 9316. 4 oz. Pkg. of 2 for 79¢

## Epoxy Silicon Rectifiers

Low as

**2 for 59¢**



Top-quality, ideal for application in all types of hi-fi, radio, and TV power supplies. All have 750-mA output. 1½" axial leads, epoxy construction. Pkg. of 2. Shpg. wt., 3 oz.  
24 C 9692. PIV 200 ..... 2 for 59¢  
24 C 9669. PIV 400 ..... 2 for 77¢  
24 C 9693. PIV 600 ..... 2 for 99¢  
24 C 9572. PIV 800 ..... 2 for 98¢  
24 C 9573. PIV 1000 ..... 2 for 1.39

## Variety of Transistor Values For Replacement and Design



2 for **79¢**    4 for **88¢**    4 for **88¢**    Each **87¢**

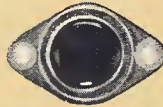
**A** Audio Power Transistors. 2N176 for audio power amplifiers. Rated 3 amps at 30 VDC. Beta, 25V; ICBO, 3 mA; Gain; 33.5 dB. For 6, 12, 28-volt circuits.  
24 C 9633. 4 oz. . . . Pkg. of 2 for 79¢

**B** IF-RF PNP Transistors. At his low price, they're an unbeatable bargain. Four IF-RF PNP transistors for replacement and design application. Axial leads. FAB, 10 MHz; BV<sub>CEO</sub>, 25 volts; I<sub>C</sub> peak, 400 mA.  
24 C 9642. 4 oz. . . . Pkg. of 4 for 88¢

**B** NPN Transistors. Check this bargain. Four NPN transistors for less than 25¢ each. Equivalents of 2N168, 2N-169, and 2N170. BV<sub>CEO</sub>, 15 V; BV<sub>CER</sub>, 10 V; I<sub>C</sub> peak, 400 mA.  
24 C 9643. 4 oz. . . . Pkg. of 4 for 88¢

**C** 40-Watt PNP Transistor. A special Allied bargain. It's a germanium-alloy junction type. Rated 15 A at 30 volts. Replaces Delco Type 501, Bendix 2N278 and 2N173, etc.  
24 C 9634. Shpg. wt., 3 oz. . . . 87¢

## Photo-Multiplier Transistor

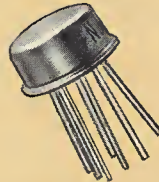


**\$1.89**

- Basic Photo Control Power Unit
- Hundreds of Useful Applications

Make your own photo-control system. Ideal for door openers, burglar alarms, door chimes, counters, electronic targets and toys, etc. Includes complete easy-to-follow instructions for various photo control applications. Wt., 4 oz.  
24 C 9478. . . . . 1.89

## Integrated Circuit Kit



**\$5.95**

Designed for Experiments in Linear Applications

Kit includes Fairchild NJS716 medium-power, low-distortion audio amplifier integrated circuit. Has gains to 10, 20, 100, 200. I.C. contains 11 transistors, 6 diodes, 18 resistors. With booklet, detailed instructions.  
24 C 9268. Shpg. wt., 1 oz. . . . 5.95

## Giant Value in a Handy Heat-Sink Assortment

Developed to dissipate heat from transistors. Contains eight 10-fin heat sinks for JEDEC TO-5 transistor cases and four to fit JEDEC TO-18. Don't pass up this exceptional value. Shpg. wt., 4 oz.  
24 C 9367. . . . . Pkg. of 12 for 1.98

Protect Transistors from Heat Damage

**12 for \$1.98**



## Famous-Brand Zener Diodes



**2 for 88¢**

Each has a 1 to 2-watt power rating. Axial leads. ±10%. Pkg. of 2. Wt., 2 oz.  
24 C 9358. 3.9 V. . . . . 2 for 88¢  
24 C 9359. 6.8 V. . . . . 2 for 88¢  
24 C 9361. 12 V. . . . . 2 for 88¢  
24 C 9362. 18 V. . . . . 2 for 88¢  
24 C 9363. 33 V. . . . . 2 for 88¢  
24 C 9340. Assortment of 12. 250-mW to stud-mount. 1 W 2.7 to 33 V. 4 oz. 1.98



## Unbeatable Values in 100-ft. Spools of Wire

Less than 1¢ per foot. 22-gauge hook-up wire on 100-ft. spools. Stock up now at this low price. Stranded, with vinyl insulation. Wt., 1 lb.

Stock No.	Color	EACH
24 C 9496	Yellow	.98
24 C 9497	White/Black	.98
24 C 9498	White/Yellow	.98
24 C 9499	White/Blue	.98

## Package of Ten 25-Ft. Coils

Convenient coils of stranded copper hookup wire. Assorted colors. 22 gauge, Vinyl insulation.  
24 C 9935 1¼ lbs. Pkg. of 10 for 98¢

## UHF/VHF Twin-Line

Foam-filled tubular 300-ohm all-channel TV-FM twin line. Moisture resistant. Black polyethylene. Wt., 1½ lbs.  
24 C 9501. . . . . 50-ft. Coil for 98¢

# Stock Up Now on Bargain Counter Specials

## 5-Lb. Hardware Assortment



98¢

Nuts, bolts, screws, eyelets, rivets, clamps, springs, grommets, washers, wood and sheet metal screws.  
24 C 9724 . . . . .5 lbs. for 98¢

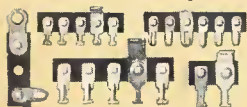
## Power Transformer for Solid-State Devices



\$3.97

Full-wave or bridge rect. 1500V test. Tapped pri., 115V; and sec., 10-20-40V at .035 A. 1 1/2" x 2 3/8" x 1 3/8". Shpg. wt., 1/2 lb.  
54 C 4731 . . . . .3.97

## Terminal Strips



100 for 98¢

Assorted bakelite strips with 1 to 6 terminals each. 3/8" wide. Many electronic applications. For hobbyist or shop. Shpg. wt., 12 oz.  
24 C 9582 . . . . .Pkg. 100/98¢

## Alligator Clips



4 for 39¢

Adapt banana plug to clip, or accept wires. Screw terminals. 3/8" steel. Wt., 3 oz.  
24 C 9266. Red. . . . .4/39¢  
24 C 9267. Black. . . . .4/39¢

## 2-Cond. Phone Jacks



5 for 98¢

Great buy! Open circuit 2-conductor jacks accept standard 1/4" steel. Shpg. wt., 6 oz.  
24 C 9227 . . . . . Pkg. 5/98¢

## 50-Ft. Spaghetti Assortment

59¢



Insulated sleeving assortment includes twenty 30" lengths. Various diameters, colors, finishes.  
24 C 9018. Wt., 8 oz. . .59¢



## Transistor Power Transformer

\$1.98

Hundreds of applications. Primary is for 115V, 60 Hz AC. 2 secondaries: 6.3 V at 1 A; 65 V center-tapped at 400 mA. 3x2 1/8"x2 1/2".  
24 C 9966. Wt., 4 lbs. . .1.98

## Relay Assortment



4 for \$1.69

A selection of four relays with popular coil voltages and contact ratings to give you a wide range of applications. Shpg. wt., 8 oz.  
24 C 9199 . . . . .Pkg. 4/1.69

## Quality Audio Cables



Low as 2 for 67¢

Shielded, pin plugs on both ends. 8 oz. Japan.  
24 C 9608. 18" Cable. 2/67¢  
24 C 9609. 36" Cable. 2/84¢  
24 C 9870. 72" Cable. 2/98¢

## Cable-Plug Kit

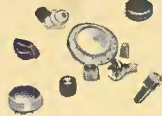


6-Pc. Set \$1.98

72" shielded cable, 2 phono plugs; 9" cable, phono plug; 2 alligator clips; 2 couplers; 1 adapter; case. Japan.  
24 C 9877. Wt., 8 oz. . .1.98

## Assorted Molded Plastic Radio Knobs

98¢



Assorted colors. Fluted or grooved. 1 1/2 lbs.  
24 C 9287. Pkg. of 50 . .98¢  
24 C 9282. TV Knobs. For most makes. Pkg. of 50 .1.98

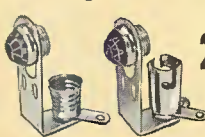
## Assorted Slide Switches

12 for 98¢



You get SPST, SPDT, DPST, DPDT slide switches —under 9¢ each. Rated 1/2 to 3 amps, 125 V. U.L. listed. Shpg. wt., 9 oz.  
24 C 9865 . . . . .Pkg. 12/98¢

## Dial Light Assemblies



29¢

Miniature lamps with 1/2" faceted lens. Mount in 1/8" holes. Shpg. wt., 2 oz.  
24 C 9202. Screw Base . .29¢  
24 C 9203. Candelabra . .29¢  
24 C 9206. Bayonet . . . . .29¢

## Phone Plug Value



4 for 98¢

Nickel-plated brass plugs with screw terms. 2 7/8" long, 1/4" dia. Wt., 12 oz.  
24 C 9225. Black Pkg. 4/98¢  
24 C 9226. Red. . . . .Pkg. 4/98¢

## Solderless Phono Plugs

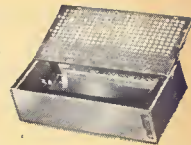


3 for 69¢

Strip wire, insert in shell, tighten screws. Right-angle. For 3/8" dia. shld. cable. Shpg. wt., 2 oz.  
24 C 9260 . . . . .Pkg. 3/69¢

## Chassis Kit

\$3.75



With Breadboard  
Aluminum frame expands, stacks, couples. Phenolic mtg. board, panel, rails. 2x 4x7". 50 solderless terminals.  
24 C 9210. Wt., 10 oz. . .3.75

## Volume Control Assortment

10 for 98¢



Ideal for experimenters or servicemen. You get: 500-ohm, 2500 ohm, 100K, 500K, 1 meg, plus 5 other values. Shpg. wt., 8 oz.  
24 C 9314 . . . . .Pkg. 10/98¢

## Stereo/Mono Pickup Arms



With Mono Cartridge \$1.64

Has turnover cartridge with two synthetic sapphire needles. For manual phonos. From Japan. Wt., 8 oz.  
24 C 9580. Stereo. . . . .1.94  
24 C 9579. Monaural. . . . .1.64

## Phono Plug Value



4 for 98¢

Shielded handle easily removes for access when soldering. 1 1/2" handle. Shpg. wt., 5 oz.  
24 C 9512 . . . . .Pkg. 4/98¢

## Assorted Switches



12 for 98¢

Push-to-talk (4-PDT); momentary contact (SPST); slide (5 ea. SPST, 3 ea. SPDT); 2 others. Wt., 10 oz.  
24 C 9502 . . . . .Pkg. 12/98¢



# Big Values in Selected Mikes and Speakers

## Economical Microphones for Every Use



**A** Dynamic Mike. Features wide 175° pickup pattern, 50-14,000 Hz response. Dual impedance, 600 ohms or hi-Z. 20-ft. shielded cable. Less stand. From Japan.  
24 C 9348. Shpg. wt., 3 lbs. . . . . 9.95

**B** Slim Crystal Mike. Slim-line styled mike, ideal for hand use. Hi-Z. Handy on-off switch. Response, 100-9000 Hz. 6-ft. cable. From Japan.  
24 C 9587. Shpg. wt., 8 oz. . . . . 2.95

**C** Crystal Mini-Mike. Only 2¼" long, 1" diameter. Response, 100-10,000 Hz. Hi-Z. For recording, general-purpose use. 5-ft. shielded cable. Japan.  
24 C 9589. Shpg. wt., 12 oz. . . . . 2.49

**D** Cardioid Dynamic Mike. For indoor/outdoor PA use. Sphere-top. Dual impedance, 150-250 ohms or hi-Z. 100-10,000 Hz. On-off switch, 20-ft. cable.  
24 C 9222. Japan. Wt., 1½ lbs. 14.95

**E** Dynamic Ball-Type Mike. Omnidirectional pattern, "pop-proof" grille. 100-12,000 Hz. Hi-Z. With 20-ft. cable, swivel adapter. From Japan.  
24 C 9023. Shpg. wt., 1 lb. . . . . 8.95

**F** Guitar Mike. Professional type. Mounts under strings without special attachments. Hi-Z. Volume, tone controls. 8-ft. cable. Japan.  
24 C 9270. Shpg. wt., 12 oz. . . . . 6.95

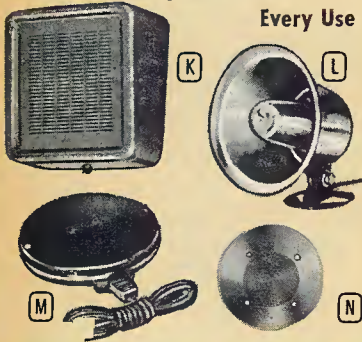
**G** Crystal Lapel Mike. Clips to pocket. For recording, interviews, etc. Response, 60-5000 Hz. Hi-Z. From Japan. Shpg. wt., 6 oz.  
24 C 9881. . . . . 98¢

**H** Guitar Contact Mike. For amplifying string instruments. Hi-Z. Includes volume control, 8-ft shielded cable. From Japan.  
24 C 9002. Shpg. wt., 8 oz. . . . . 1.88

**J** Transistor Mike Mixer. Mixes 4 signals to single output. 2-cond. phone inputs, phono jack output. 6 dB gain. 2½"x6"x3½". With battery.  
24 C 9352. Wt., 4 lbs. Japan. . . . . 6.95

## Versatile Speakers for

### Every Use



**K** 8" Outdoor Speaker. Weatherproof baffle, lacquer finish. Built-in volume control. 10½"x10½"x5½". 20 watts, 8 ohms. 40-15,000 Hz. With 25-ft. wire.  
24 C 9732 X. Shpg. wt., 6¼ lbs. . . . 9.95  
24 C 9733. Similar to above, with 4" speaker. 4½"x5½"x2½". 1¼ lbs. . . . 4.95

**L** 5" Paging Speaker. Weatherproof horn-type for outdoor use. 400-7000 Hz. 180° swivel mount. 5¾" long. 5 watts. 8 ohms. With 24" hook-up wire.  
24 C 9843. Japan. Wt., 2 lbs. . . . . 7.95

**M** Pillow Speaker. Ideal for private listening. Ceramic element, plastic diaphragm. Imp., 8 ohms. With 5-ft. cable. Size, 2¼"x½". Shpg. wt., 8 oz.  
24 C 9525. . . . . 1.79

**N** Ceiling Speaker-Baffle. General-purpose brushed aluminum baffle for ceilings. Rugged, one-piece construction. Has 8" speaker. Cap., 15-W. peak. Imp., 8 ohms. With mounting hardware.  
24 C 9520. Shpg. wt., 1½ lbs. . . . 4.98  
24 C 9521. Baffle Only. As above, less speaker. Shpg. wt., 12 oz. . . . . 2.49

## Ideal Replacement Speakers



**P** 8" Round Speaker. Ideal for use in TV set or radio. Features whizzer cone, 1.47-oz. Alnico V magnet. Power capacity 8 watts. Impedance, 8 ohms. Shpg. wt., 1½ lbs. *Great buy!*  
24 C 9530. . . . . 2.49

**R** 6x9" Oval Speaker. Has efficient 1.47-oz. Alnico V magnet. Whizzer cone to extend high frequency response. Power capacity, 8 watts. Impedance, 8 ohms. Shpg. wt., 1¼ lbs. *Big value!*  
24 C 9529. . . . . 2.49

**S** 4" Square Speaker. Precision centered speaker, ideal for replacement use. .50 oz. Alnico V magnet. Standard EIA dimensions. Power capacity, 3 watts. Impedance, 3.2 ohms. Shpg. wt., 8 oz.  
24 C 9932. . . . . 98¢

**T** Dual-Cone Speakers. 1½" voice coil. Whizzer cone. Internal dust cap.  
24 C 9632. 8". 40-16,000 Hz. 20 W. 8 ohms. 4" deep. Wt., 3 lbs. . . . . 5.95  
24 C 9631 X. 12". 35-15,000 Hz. 25 W. 8 ohms. 5½" deep. Wt., 3½ lbs. . . . 6.95  
24 C 9630 X. 15". 30-14,000 Hz. 30 W. 8 ohms. 6½" deep. Wt., 9 lbs. . . . . 9.95

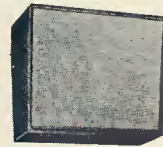


Ideal As Extension Speaker

\$788

## Shelf-Speaker System

Compact enclosure with plastic wood-grained oiled walnut finish. Use for extension speaker, low-cost music systems. 6x4" speaker with 1-oz. magnet. Capacity, 5 watts. 8 ohms. 6x9x4½". With 20-ft. cable. Shpg. wt., 3 lbs.  
24 C 9012. . . . . 7.88



Wall Baffles

Low As \$249

Wall-Mounting Baffles. Washable cover. Less speaker. Handsome baffles for use anywhere.

24 C 9253 X. Far 12-inch speakers. Shpg. wt., 5 lbs. . . . . 5.69

24 C 9254 X. Far 8-inch speakers. Shpg. wt., 4 lbs. . . . . 3.49

24 C 9255. Far 4 to 5-inch speakers. Shpg. wt., 1½ lbs. . . . . 2.49

Speaker-Baffles. Handsome wall-mounting baffles with speakers. Use for extension speakers anywhere. 35-11,000 Hz. 10 watts. 8 ohms. Shpg. wt., 5¼ lbs.

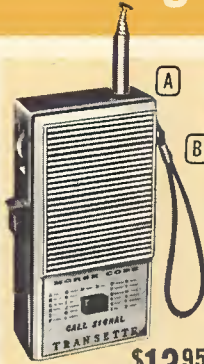
24 C 9354 X. 12 inch. . . . . 8.95  
24 C 9355. 8 inch. . . . . 6.65



# Special Bargain Values



30 Drawers \$5.49



\$13.95 Pair



\$4.88



\$11.88



Lamp Kit for Desk and Bench \$9.90 Spring-Swivel Joints



\$18.95 Top Buy

**D All-Angle Lamp Kit**  
Great for close work. All-angle lamp has prefabricated arm assembly. Assembles quickly with just a screwdriver and pliers. Spring-loaded swivel joints, screw clamp. Gray. Less bulb. 110-120 VAC. 5 lbs.  
24 C 9335 X. . . . . 9.90

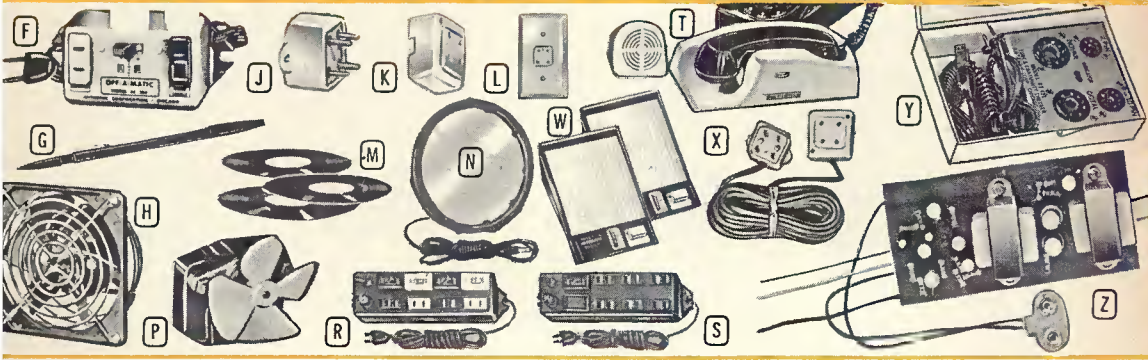
**E Magnifier Lamp Kit**  
Has the same fine features as lamp above, but takes fluorescent tubes and has 5" magnifying lens. Ideal for any type of close work. Tube below. 7 lbs.  
24 C 9338 X. . . . . 18.95  
Tube. For above. 8 oz.  
24 C 9930. . . . . 2.99

**A Walkie-Talkie Set**  
Each 4-transistor walkie-talkie has special Morse-code signaling system. Features sensitive super-regenerative receiver, crystal-controlled transmitter. Handy code chart engraved on case. High-impact polystyrene case, 5½x2½x1½". Telescoping antenna, convenient carrying strap. No age limit, no license required. With crystal for Channel 14, battery. Sold in Pairs Only. Wt., 2 lbs. Japan.  
17 C 9743 S. . . . . Pair 13.95

**B AM Shirt Pocket Radio**  
Compact, 8-transistor shirt pocket radio. Handsome black, shock-resistant case with walnut accents. Has 9-volt battery, vinyl carrying case, earphone with pouch. 2¼" speaker. Size, 4¼x2½x1¾". From Taiwan. Wt., 12 oz.  
10 C 4110 S. . . . . Each 4.88

**C FM-AM Portable Radio**  
Sensational low price for this FM-AM radio! Has AFC circuit for drift-free reception; FM-AM selector switch; telescoping antenna. For local reception. Plastic case, 5x3x1½". With earphone, battery. Shpg. wt., 1 lb. From Taiwan.  
10 C 4225 S. . . . . 11.88

**30-Drawer Parts Cabinet**  
Versatile parts cabinet has hundreds of uses—ample room for small parts and components; rigid, welded steel frame with enamel finish. "See-Thru" non-spill plastic drawers for easy identification of items. Each drawer, 1¼x2¾x5¾" deep. Plastic dividers, labels. Convenient carrying handle. Overall size, 9¾x17x6¾". Shpg. wt., 9 lbs.  
24 C 9028 X. . . . . 5.49



**F Hi-Fi Shutoff.** Shuts off entire hi-fi system after last record is played. For any record changer.  
24 C 9234. Shpg. wt., 2 lbs. . . . . 4.95

**G Nylon-Tip Markers.** Thin-line. Water soluble ink. Ass't colors.  
24 C 9273. 12 oz. . . . . 12 for 2.89  
24 C 9274. Block only. . . . . 12 for 2.89

**H Miniature Cooling Fan.** Circulates air at 10 cfm. 2-pole motor, venturi front, back. 115 VAC.  
24 C 9048. Shpg. wt., 1½ lbs. . . . . 8.95

**J 4-Prong Ivory Telephone Plug.**  
24 C 9365. Japan. 4 oz. . . . . 59¢

**K Wall-Mtg. Jack.** For plug above.  
24 C 9366. Japan. 4 oz. . . . . 59¢

**L Wall-Plate.** For plug, jack above.  
24 C 9389. Japan. 4 oz. . . . . 1.79

**M Stereo Demo Records.** 3 records for stereo setup, equipment tests, music patterns, etc. Wt., 2 lbs.  
24 C 9010. . . . . 3 for 3.29

**N Degoussing Coil.** Demagnetizes picture tube and chassis to remove color TV impurities. 7" coil. 115 VAC.  
24 C 9386. Shpg. wt., 12 oz. . . . . 2.69

**P Tube Fan.** 3200-rpm shaded pole motor. 4-blade fan. 115 VAC.  
24 C 9457. Shpg. wt., 1½ lbs. . . . . 4.49

**R Fused Outlet Boxes.** 15 amps. 10-ft. cord, 2-wire plug. 13x2¼x1¼". Has 4 outlets, 4 switches.  
24 C 9343. Shpg. wt., 2¼ lbs. . . . . 4.95

**S Fused Outlet Box.** As above, has 6 outlets, 1 switch.  
24 C 9342. Shpg. wt., 2½ lbs. . . . . 4.95

**T Telephone Amplifier.** Amplifies telephone calls. 10x3x3". Battery.  
24 C 9231. Japan. 1½ lbs. . . . . 14.95

**W 2-Station Intercom System.** Remote can signal Master. Vol. control, talk button. 5x4x2". Batt., 66-ft. cable.  
24 C 9957. Japan. 3 lbs. . . . . 9.95

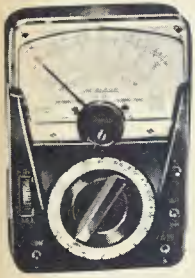
**X 30-ft. Phone Cable.** Telephone jack on one end, plug on other.  
24 C 9368. Japan. 1½ lbs. . . . . 2.49

**Y Tube Continuity Checker.** Checks tubes, appliances, fuses, coils.  
24 C 9305. 115 VAC. 1 lb. . . . . 1.79

**Z Miniature Audio Amplifier.** 1-watt. 4 transistors. Uses 9-V battery. 2 stages audio with push-pull output.  
24 C 9207. Japan. 12 oz. . . . . 5.95  
24 C 9209. Above, 3-watt output. . . . . 6.95



# Special Low Prices on Seven Quality VOM's



30,000  
Ohms/Volt  
VOM

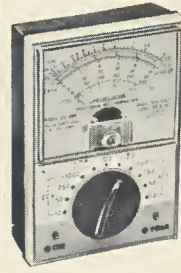
**\$14<sup>95</sup>**

Accurate VOM has mirrored, wide-view scale, bold numbers, D'Arsonval meter movement. 30,000 ohms/volt DC; 15,000 ohms/volt AC sensitivity. Reads AC and DC volts to 1200; DC current to 300 mA; ohms to 16 megs. —20 to +63 dB. Recessed nylon range selector. 5½x3½x1½". Leather case, leads, battery. Japan.  
24 C 9372. Shpg. wt., 1 lb. . . . 14.95

20,000  
Ohms/Volt  
VOM

**\$8<sup>95</sup>**

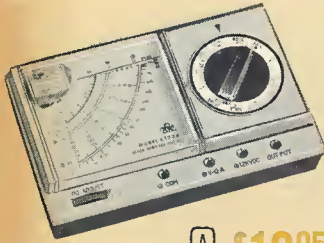
Sensitive, handy VOM, great for quick field checks. Hardly larger than a pack of cigarettes. Precision resistors throughout. Reads DC volts to 2500; AC volts to 1000; ohms to 6 megs; —20 to +22 dB. Has recessed nylon range selector; easy-to-read 3½" 2-color scale; D'Arsonval meter. 4½x3¼x1". Carry case, leads, batt. Japan.  
24 C 9318. Shpg. wt., 1 lb. . . . 8.95



1000  
Ohms/Volt  
Multimeter

**\$4<sup>95</sup>**

Pocket-size VOM at an amazing low price. For quick checks of appliances, radio and TV. Reads AC and DC volts: 0-10-50-250-1000. DC current, 0-100 mA. Ohms, 0-150 K. Has 1000 ohms per volt DC sensitivity; easy-to-read meter; single range/function switch. 3½x2¼x1". High-impact plastic case, test leads, battery. Japan.  
24 C 9590. Shpg. wt., 10 oz. . . . 4.95

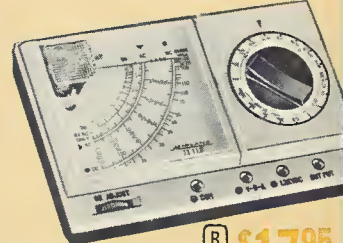


20,000 Ohms/Volt

**\$10<sup>95</sup>**

**A** 20,000 Ohms/Volt VOM. Has 2-color scale, overload protection. Reads: AC volts; 0-6-30-300-1200. DC volts; 0-3-15-150-300-1200. Ohms; 0-60K-6 megs. Current: 0-60 µA, 300 mA. —20 to +17 dB. 4¾x3½x1½". With case, test leads, battery. Japan.  
24 C 9591. Shpg. wt., 1½ lbs. . . . . 10.95

**B** 30,000 Ohms/Volt VOM. Jeweled meter movement; easy-to-read scale. AC volts: 6-30-120-300-1200. DC volts: 0.6-3-15-60-300-1200. Current: 0-3 µA; 3-30-300 mA. Ohms: 0-6K-60K-600K ohms; 0-6 megs. —20 to +63 dB. 6¾x3¾x1¼". Case, leads, battery. Japan.  
24 C 9592. Shpg. wt., 3 lbs. . . . . 17.95



30,000 Ohms/Volt

**\$17<sup>95</sup>**

**NEW**

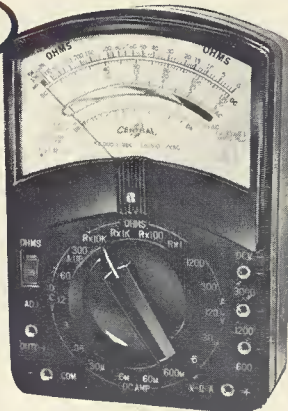
Precision  
VOM

- Uses 1% Resistors for Highest Accuracy
- Extra-Low DC Voltage Range for Transistors
- Low-Resistance Switch

**\$19<sup>95</sup>** \$5  
monthly

50,000 Ohms/Volt VOM

Deluxe VOM, ideal for serviceman or technician. Uses precision 1% resistors for high accuracy. Boasts 50,000 ohms/volt DC sensitivity; 15,000 ohms/volt AC. Reads: DC volts :0-0.6-3-12-60-300-600-1200-3000. AC volts: 0-6-30-120-300-1200. DC Current: 0-30 µA; 0-6-60-600 mA. Ohms: 0-10K—1-10-100 megs. —20 to +63 dB. Low resistance selector switch; easy-to-read scales. Compact case, 6x4x1½". With test leads, batteries, Japan.  
24 C 9594. Shpg. wt., 1½ lbs. \$5 Monthly . . . . . 19.95



Full-Size  
Lab-Type VOM

- 100,000 Ohms/Volt DC
- 4" Mirrored Scale
- Positive-Negative DC Switch
- Suitable for Laboratory Uses
- 0.5 VDC Range

**\$34<sup>95</sup>** \$5  
monthly

100,000 Ohms/Volt VOM

Precision VOM, suitable for lab applications, but priced low enough for any serviceman, technician or hobbyist. Has 4" mirrored scale. Reads: DC volts: 0-.5-2.5-10-50-250-1000. AC volts: 0-2.5-10-50-250-1000. Resistance: 0-20K-200K ohms; 0-2 megs. DC current: 0-10-250 µA; 0-2.5-25-250 mA; 0-10 A. —20 to +62 dB. Rugged case, 7x5½x3¼", carrying handle. With test leads, battery, detailed operating manual. Japan.  
24 C 9593. Shpg. wt., 8 lbs. \$5 Monthly . . . . . 34.95



# **ALLIED**

**PRESENTS A COMPLETE  
CATALOG OF POPULAR  
BUILD-YOUR-OWN KITS**

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**STEREO HI-FI • CITIZENS BAND 2-WAY RADIO  
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TEST EQUIPMENT • PHOTOGRAPHY • MANY MORE**

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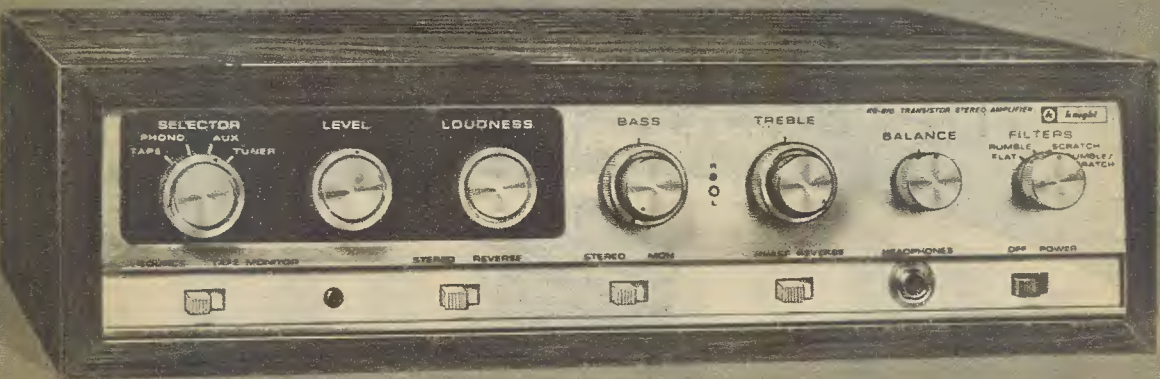


# Our Best Seller..Solid-State 70-Watt Stereo Amplifier Kit

**\$99<sup>95</sup>**  
less  
case

**\$5**  
monthly

**Knight-Kit's Best Selling Amplifier  
Offers Exceptional High-Fidelity  
At Remarkably Low Cost**



## ✓ CHECK THESE DELUXE FEATURES

✓ Modular Circuits with Plug-In Transistor Sockets to Assure Fast and Easy Assembly

✓ Five Pairs of Stereo Inputs plus Full Array of Controls To Master Any Program Source

✓ No Output Transformers or DC Blocking Capacitors to Limit Frequency Response

✓ Separate Loudness and Level Controls for Full-Range Response Even at Low Volume

✓ Tape Monitor Input Switch Lets You Monitor Program Material on 3-Head Tape Recorders

## SOLID STATE

### KG-870 Solid-State 70-Watt Stereo Amplifier Kit

- Twenty-Six Premium Semiconductors • Develops 140-Watt Peak Power Output
- Dual-Concentric Bass and Treble Controls for Each Channel • Phase Reverse
- Rumble and Scratch Filters • Front-Panel Stereo Headphone Jack

Our most popular stereo amplifier, the KG-870 continues to draw the praise of owners and music critics. There is no other stereo amplifier equal to it at this price—performs on a par with some amplifiers selling for twice as much. Twenty-six semiconductors offer high-fidelity stereo with astonishing clarity. There are no output transformers to compromise tonal beauty—response is true over the audio range.

The KG-870 delivers a powerful 70-watt IHF output (140 watts peak). Loudness control for full-range response even at low listening levels. Dual-concentric separate-channel bass and treble controls. Modular circuits and plug-in transistor sockets assure fast, easy assembly. Phase reverse switch; stereo reverse switch; stereo/mono switch.

Five pairs of stereo inputs: Tape Head (NAB equalized); Magnetic Phono (RIAA equalized); Tuner; Aux. 1; Aux. 2. Outputs: 8, 16 ohm speakers; front-panel stereo headphone jack; and tape recording outputs. Monitor input switch for direct monitoring on three-head decks. Sierra Gold and charcoal panel. 2 $\frac{3}{4}$  x 13 x 11". Optional case below. For 115 VAC. With full step-by-step instructions. Shpg. wt., 15 lbs.

22 C 3603 X. \$5 Monthly ..... 99.95  
22 C 3035 X. Oiled Walnut Wood Case. Shpg. wt., 4 lbs. .... 13.95

#### KG-870 SPECIFICATIONS

*Rated Power Output:* 70 watts IHF (35 watts/ch.); 140 watts peak; 28 watts/ch. rms. 8, 16 ohm speakers. *Frequency Response:* ±1 dB, 20-25,000 Hz at full rated power. *Distortion:* Harmonic, .05%; IM, less than 1%; measured at rated power. *Hum Level:* Tuner, -80 dB; Magnetic Phono, -63 dB; Tape Head, -60 dB; Auxiliary 1 and Auxiliary 2, -80 dB. *Channel Separation:* 40 dB. *Inputs:* Tape Head (NAB equalized); Magnetic Phono (RIAA equalized); Tuner; Aux. 1; Aux. 2.

# Our Best-Selling Tuner it .. Solid-State Stereo FM-AM

**\$99<sup>95</sup>**  
less  
case

**\$5**  
monthly

Stereo FM-AM Tuner is the Perfect  
Companion, in Styling and  
Design, for the KG-870 Amplifier



## SOLID STATE

### KG-765A Solid-State Stereo FM-AM Tuner Kit

- Front-End and IF Strip Factory-Assembled
- Automatic Sterea Switching
- 15 Transistors, 18 Diodes in Modular Circuitry
- 10 kHz AM Whistle Filter
- AFC, plus AGC and Valtage Regulation for Super-Stability
- SCA Filter

Widely-acclaimed KG-765A stereo FM-AM tuner kit is a favorite among stereo enthusiasts for its superlative performance and many quality features at an unbeatably low price. Solid-State circuit boasts tuned RF stages on FM and AM. Factory-assembled and aligned IF strip and front-end assure outstanding stereo FM, full-range mono FM and wideband AM reception.

FM circuit features three wideband IF amplifiers, wideband ratio detector and noise limiter for excellent reception even in weak signal areas. SCA filter prevents "storecast" interference. Automatic stereo/mono switching. Stereo indicator light; signal-strength meter for precise tuning. AFC prevents FM drift; AGC and voltage regulation provide added stability. Full 10-kHz IF bandwidth on AM for maximum fidelity; filter circuit screens out whistles on weak stations.

Precision-machined ball-bearing tuning shaft for smooth station selection. Low-impedance audio outputs allow long cable runs to amplifier without high-frequency loss. Has separate outputs for stereo tape recording. Ferrite AM, FM dipole antennas. Sierra Gold and charcoal panel. 2 $\frac{3}{4}$ x13x11". Optional case below. Parts, cables, instructions 115 VAC. 13 lbs.

- 22 C 3767 X. \$5 Monthly.....**99.95**  
22 C 3035 X. Oiled Walnut Wood Case. Shpg. wt., 4 lbs.....**13.95**  
22 C 3241 U. Knight FM Outdoor Antenna Kit. With mast. 8 lbs.....**5.95**

#### KG-765A SPECIFICATIONS

FM CIRCUIT. Usable IHF Sensitivity: 1.25  $\mu$ V for 20 dB quieting. Response:  $\pm$ 1 dB, 20-20,000 Hz. Harmonic Distortion: less than 1.0%. Hum and Noise: 55 dB below 1 volt. Capture Ratio: 9 dB. Separation: 30 dB. Rejection: IF 70 dB; Image: 30 dB. Bandwidth: 250 kHz. AM CIRCUIT. Sensitivity: 3  $\mu$ V for 10 dB signal-to-noise ratio. Bandwidth: 10 kHz at 6-dB-down points. Hum and Noise: 40 dB below 1 volt. Rejection: IF, 55 dB; Image, 40 dB. Distortion: less than 1.0%.

### TUNER/AMPLIFIER COMBINATION OFFER



Save **\$5.00** Both For **\$194<sup>90</sup>** less cases  
\$10 monthly

Save **\$5.00** on KG-765A  
and KG-870 Combination

Separately, \$199.90. Unbeatable combination at a money-saving price! Knight-Kit's KG-870 Solid-State Stereo Amplifier Kit and KG-765A Solid-State Stereo FM-AM Tuner Kit—combination offer saves you \$5. Save even more because you build them yourself. Perfectly matched electrically and in size and style. Described at left and on facing page. Order cases, below. Shpg. wt., 28 lbs.  
22 C 0121 L2K.....**194.90**  
22 C 3035 X. Case.....Each **13.95**

Get Your Knight-Kit with No Money Down, Low Monthly Payments

ALLIED 465





# KG-865 Silicon-Transistor 50-Watt Stereo Amplifier

Priced  
at  
Only

**\$69<sup>95</sup>**  
less  
case  
\$5 monthly

Silicon Transistor Circuit  
for Distinctly Superior Sound  
Even at This Low Price



## CHECK THESE DELUXE FEATURES

- ✓ Transformerless Audio Circuits for Full Response and Power Bandwidth
- ✓ Uses Silicon Transistors Exclusively, for Cleanest Possible Hi-Fi Sound
- ✓ Two Printed Circuit Boards for Easier and Quicker Assembly
- ✓ Handy Front-Panel Stereo Headphone Jack, plus Speaker Muting Switch
- ✓ Two AC Convenience Outlets for Plugging In Tuner or Record Changer

## SOLID STATE

### Knight-Kit's Lowest Priced Stereo Amplifier Kit

- Low in Price But Has All Silicon Transistors for Superior Sound
- Separate On-Off Switch, Volume Control Setting Need Not Be Disturbed
- Inputs for Magnetic Cartridge, Tuner, Auxiliary • Speaker Muting Switch

Knight-Kit's lowest priced stereo amplifier kit offers you outstanding hi-fi performance, full 50-watt power output, and handsome wood-accented front panel. Includes many extras found in amplifiers costing far more, including super-stable silicon transistors.

Boasts exceptionally wide frequency response and power bandwidth thanks to a special Complementary Symmetry Circuit that eliminates all driver and output transformers. Delivers full rated power from 20-20,000 Hz. Frequency response is within 1 dB from 18-30,000 Hz. Has 22 premium semiconductors, including special preamplifier transistors that slash internal noise.

An array of controls puts you in command of both stereo and monaural functions. Separate on-off switch—volume control settings need not be disturbed. Ganged volume, bass and treble controls. Front-panel stereo headphone jack and speaker muting switch. Printed circuit boards for easier assembly. Attractive heavy-gauge extruded aluminum front panel with walnut-finish inserts. Inputs for magnetic cartridge, tuner and auxiliary. Two AC outlets on rear of chassis. Size, 3 $\frac{1}{4}$ "x13"x10". With solder, step-by-step instructions. Optional case below.

22 C 3700 X. Shpg. wt., 10 lbs. \$5 Monthly ..... 69.95  
22 C 3713 X. Oiled Walnut Wood Case. Shpg. wt., 6 lbs. .... 12.95

### SPECIFICATIONS

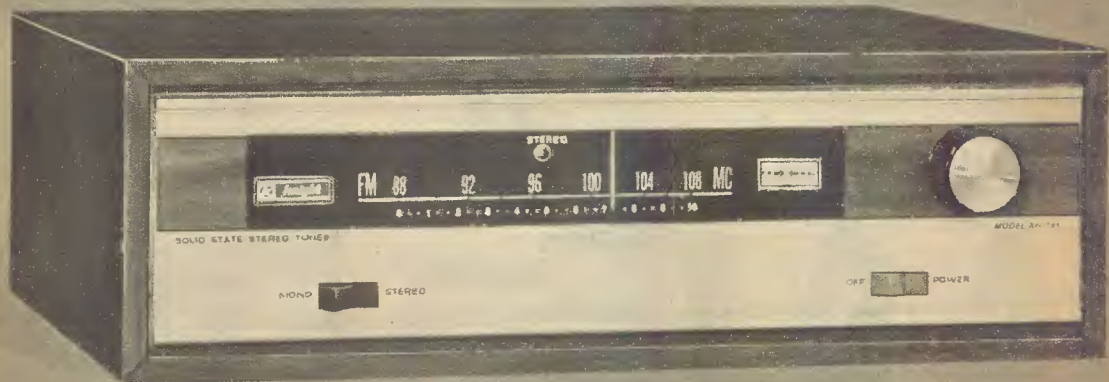
*Output:* 50 watts IHF, 25 watts per channel; 34 watts sine wave. *Response:*  $\pm$ 1 dB, 18-30,000 Hz. *Power Bandwidth:* 20-20,000 Hz at 1% harmonic distortion. *Hum and Noise:* Tuner, Aux. inputs, -65 dB; Mag. Phono, -60 dB. *Channel Separation:* over 50 dB. *Impedances:* 4-16 ohms; plus stereo headphones. *Damping Factor:* 50. *IM Distortion:* under 1% at 60 Hz and 7000 Hz mixed 4:1 at rated power. *Input Sensitivity:* Mag. Phono, 5 mV; Tuner and Aux, 400 mV. *Power Requirement:* 110-130 volts, 60 Hz AC.

# KG-795 Stereo-FM Tuner Kit with All Silicon Transistors

Great  
Hi-Fi  
Value

**\$59<sup>95</sup>**  
less  
case  
\$5 monthly

Perfect Partner for KG-865  
Amplifier on Facing Page . . .  
All Silicon Transistors, Too



## SOLID STATE

### Knight-Kit's Lowest Priced Stereo Tuner Kit

- Two Tuned RF Stages for Excellent Image Rejection and Sensitivity
- Edge-Lit Dial and Signal-Strength Meter for Always-Perfect Tuning
- RF and IF Stages are Factory Assembled for Professional Results

Even in Knight-Kit's lowest priced tuner kit you get all *silicon* transistors, plus *two* tuned RF stages, for stereo FM reception that you'd expect to get only from high-priced tuners. Pulls in excellent hi-fi stereo even from weak or distant stations. Silicon transistors assure super-stability and lowest possible distortion. Wideband IF circuits and detector permit a smooth frequency response from 30 to 15,000 Hz for stereo realism that equals or surpasses the finest stereo records or tapes.

Assembly is simplified by a large printed circuit board and factory assembled, aligned RF and IF circuits. The two tuned RF stages assure excellent image-rejection, sensitivity. Signal-strength tuning meter and edge-lit tuning dial make station-finding easy. Stereo indicator lights-up, and circuit automatically switches to stereo mode when stereo program is tuned in.

Beautifully styled heavy-duty aluminum front panel, with walnut-finished inserts, has the appearance of an expensive factory-assembled tuner. Effortless flywheel tuning. 3 1/2" x 13" x 10". With indoor dipole antenna, solder, and instructions. Optional case below.

22 C 3701 X. Shpg. wt., 7 lbs. \$5 Monthly . . . . . \$59.95  
22 C 3713 X. Oiled Walnut Wood Case. Shpg. wt., 6 lbs. . . . . 12.95  
22 C 3241 U. Knight Outdoor FM Antenna Kit. With mast. 8 lbs. . . . . 5.95

### SPECIFICATIONS

Usable IHF Sensitivity: 3 microvolts. Response: ±1 dB, 30-15,000 Hz. Harmonic Distortion: less than 1.0%. Hum and Noise: -50 dB. Tuning Range: 88-108 MHz. Capture Ratio: 3 dB. IF Rejection: more than 80 dB. Image Rejection: greater than 80 dB. AM Suppression: greater than 30 dB. Output Voltage: 0.5 volt with 1000 μV input signal, 100% modulated at 400 Hz. Channel Separation: 30 dB or more at 1 kHz. SCA Rejection: 35 dB or more. Antenna: 300-ohm input. Power Requirement: 110-130 volts, 60 Hz AC.

## COMBINATION OFFER



Save **\$10.00** Both for **\$119.90**  
less cases  
\$6 monthly

### KG-795 Tuner Kit and KG-865 Amplifier Kit Package

Separately, \$129.90. Perfectly matched pair! KG-795 Tuner pulls in thrilling stereo-FM broadcasts. Factory assembled and aligned FM front end and IF stages. KG-865 Stereo Amplifier (facing page) has 50 watts IHF output. Have matching front panels, same dimensions and each fits same size case (order below). Shpg. wt., 17 lbs. 22 C 0341 L2X. \$6 Monthly. .119.90 22 C 3713 X. Walnut Case. 6 lb 12.95

Get Your Knight-Kit with No Money Down, Low Monthly Payments

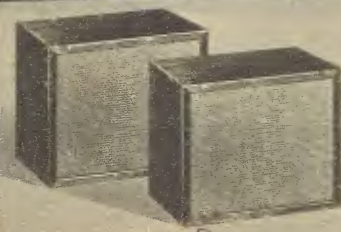
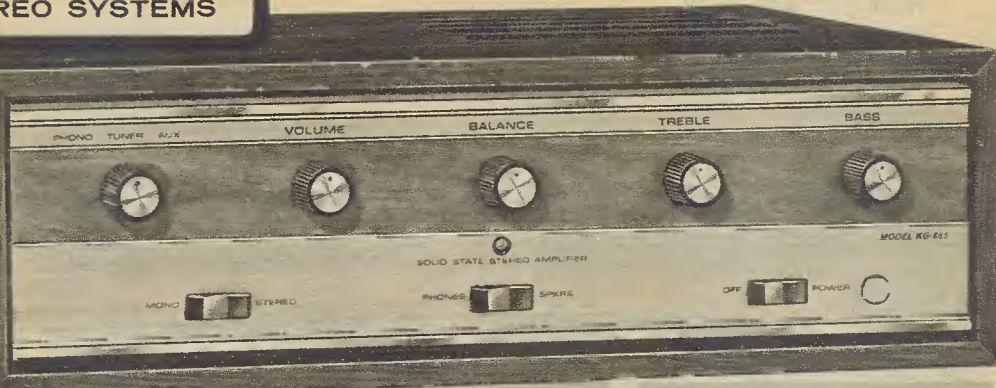
ALLIED 467



**knight-kit**  
**KITS**  
STEREO SYSTEMS

# 50-Watt Stereo Phono Systems

WITH KG-865 SOLID-STATE AMPLIFIER KIT



### Custom Stereo Phono System

Save **\$159.50**  
**\$39.75** \$8 monthly

Separately, \$199.25. Knight-Kit KG-865 50-Watt Solid-State Stereo Amplifier Kit. Premium silicon transistors. Distinctive styling. Inputs for phono, tuner and auxiliary. Less case.

Garrard 40 MK II 4-Speed Automatic Turntable with Base and Empire 808E Stereo Elliptical Cartridge. Automatic or manual operation. Stylus pressure adjustment. Smooth, 4-pole motor.

Two Allied 830BHC Three-Way Speakers. 12" woofer, midrange cone and tweeter. Level control. Response: 25-18,000 Hz. Perfect for custom installations. With cables, hi-fi booklet. 48 lbs.  
22 C 0688 L5U. \$8 Monthly... 159.50

Alternate System with KG-795 Stereo FM Tuner Kit. Save \$44.70. As above, plus all-silicon tuner kit. Less cases. Shpg. wt., 55 lbs.  
22 C 0689 L6Z. \$12 Monthly... 214.50

### Budget Stereo Phono System

Save **\$167.50**  
**\$39.75** \$9 monthly

Separately, \$207.25. Knight-Kit KG-865 50-Watt Solid-State Stereo Amplifier Kit with Walnut Case. Transformerless complementary symmetry circuit for wide power bandwidth and response.

Garrard 40 MK II 4-Speed Automatic Turntable with Base and Shure M32E Stereo Elliptical Cartridge. Counter-balanced pickup arm. Weighted platter. Interchangeable spindles.

Two Allied 3002 2-Way Shelf Speaker Systems. 8" woofer, direct-radiator 3 1/2" tweeter. Oiled walnut veneer hardwood cabinets. With cables and hi-fi booklet. Wt., 66 lbs.  
22 C 0086 D6U. \$9 Monthly... 167.50

Alternate System with KG-795 Stereo FM Tuner Kit. Save \$44.65. As above, plus tuner kit. Features preassembled RF and IF stages. Shpg. wt., 79 lbs.  
22 C 0085 D6U. \$12 Monthly... 235.50

### Deluxe Stereo Phono System

Save **\$239.50**  
**\$57.70** \$12 monthly

Separately, \$297.20. Knight-Kit KG-865 50-Watt Solid-State Stereo Amplifier Kit with Walnut Case. ±1 dB, 18-30,000 Hz. Two printed circuit boards for fast, easy assembly.

Garrard SL55 4-Speed Automatic Turntable with Base and Pickering V15/ACE-3 Stereo Elliptical Cartridge. Synchro-lab motor. Cuing. Stylus pressure adjustment. Automatic or manual.

Two Allied 2330AK 3-Way Speaker System Kits. 12" woofer, 8" midrange, 3 1/2" tweeter. Walnut veneer cabinet. With finishing oil. Cables, hi-fi booklet. Shpg. wt., 99 lbs.  
22 C 0690 L8Z. \$12 Monthly... 239.50

Alternate System with KG-795 Stereo FM Tuner Kit. Save \$70.15. As above, plus tuner kit. Two tuned RF stages. Automatic stereo switching. 112 lbs.  
22 C 0691 L8Z. \$15 Monthly... 299.50



# ***knight-kit 70-Watt Stereo Phono Systems***

FEATURING THE KG-870 SOLID-STATE STEREO AMPLIFIER KIT



## **Custom Stereo Phono System**

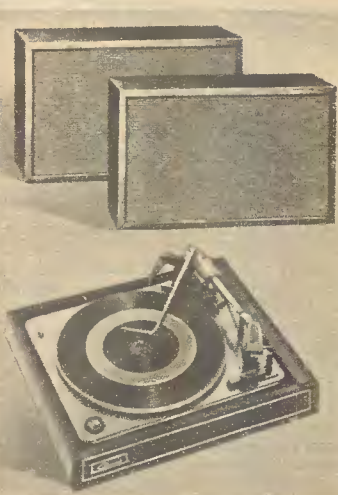
Save **\$229.50**  
\$44.75 \$12 monthly

Separately, \$274.25. Knight-Kit KG-870 70-Watt Solid-State Stereo Amplifier Kit. Delivers 35 watts per channel. No output transformers. Controls and inputs for all sources. Less case.

Garrard SL55 4-Speed Automatic Turntable with Base and Empire 808E Stereo Elliptical Cartridge. Perfect-speed Synchro-Lab motor. Cuing. Tubular pickup arm. Automatic intermix.

Two Allied 888HCA 12" 3-Way Speakers. 12" woofer, axially-mounted midrange, compression horn tweeter. Fits 12" enclosure. With all cables and hi-fi booklet. Shpg. wt., 52 lbs.  
22 C 0696 L5Z. \$12 Monthly... 229.50

Alternate System with KG-765A Stereo FM-AM Tuner Kit. Save \$49.70. As above, plus tuner kit. Solid-state modular circuitry. Less cases. 69 lbs.  
22 C 0697 L7Z. \$16 Monthly... 324.50



## **Deluxe Stereo Phono System**

Save **\$269.50**  
\$68.70 \$14 monthly

Separately, \$338.20. Knight-Kit KG-870 70-Watt Solid-State Stereo Amplifier Kit with Walnut Case. Modular circuits with plug-in transistor sockets for fast and easy assembly. 26 semiconductors.

Garrard SL55 4-Speed Automatic Turntable with Base and Empire 808E Stereo Elliptical Cartridge. Synchro-Lab motor. Cuing. Stylus pressure adjustment. Automatic or manual operation.

Two Allied 3030B 3-Way Speaker Systems. 12" woofer, 6" midrange, 3 1/2" cone-type tweeter. Oiled walnut. With cables, hi-fi booklet. 92 lbs.  
22 C 0087 D6U. \$14 Monthly... 269.50

Alternate System with KG-765A Stereo FM-AM Tuner Kit. Save \$72.60. As above, plus tuner kit. Offers thrilling stereo FM, crystal-clear AM. Tuning meter. Shpg. wt., 109 lbs.  
22 C 0088 D8Z. \$18 Monthly... 379.50



## **Finest Stereo Phono System**

Save **\$359.50**  
\$114.70 \$17 monthly

Separately, \$474.20. Knight-Kit KG-870 70-Watt Solid-State Stereo Amplifier Kit with Walnut Case. Powerful 140-watt peak IHF output. Loudness control for full response at low volume.

Deluxe Garrard SL75 Automatic Turntable with Base and Pickering V15/AME-3 Stereo Elliptical Cartridge, Synchro-Lab motor for perfect 33 1/3, 45, 78-rpm speeds. Cuing, low-mass arm.

Two Allied 2300C 3-Way Speaker Systems. Acoustic-suspension. 12" woofer, compression midrange with diffraction horn, compression tweeter. Oiled walnut. Cables, hi-fi book. 134 lbs.  
22 C 0559 L6Z. \$17 Monthly... 359.50

Alternate System with KG-765A Stereo FM-AM Tuner Kit. Save \$120.00. As above, plus tuner kit. Automatic stereo switching. Stereo light. 151 lbs.  
22 C 0560 L8Z. \$20 Monthly... 467.50

See Pages 464 and 465 for Complete Specifications of KG-870 and KG-765A **ALLIED** 469



# Deluxe Solid-State Stereo Receiver Kit Featuring All Silicon Transistors



## KG-980 50-Watt Stereo FM Receiver Kit

## SPECIFICATIONS

**\$139<sup>95</sup>**  
less case  
\$7 monthly

- Circuit Uses Premium-Quality Silicon Transistors
- Automatic Stereo-Mono FM Switching
- Front End and IF Circuits Factory-Assembled, Aligned
- Tuner Circuit Has Two RF Stages
- Tuning Meter
- No Transformers in Amplifier Circuit to Limit Response

### TUNER CIRCUIT

Usable IHF Sensitivity: 3 microvolts  
Response:  $\pm 1$  dB, 30 to 15,000 Hz  
Harmonic Distortion: less than 1.0%  
Hum and Noise: -50 dB  
Tuning Range: 88 through 108 MHz  
Capture Ratio: 3 dB  
IF Rejection: more than 80 dB  
Image Rejection: more than 80 dB  
AM Suppression: more than 30 dB  
Stereo FM Channel Separation: 30 dB

Loaded with features that you would not expect to find in a receiver at this low price. Enjoy true-to-life stereo FM as well as sensitive monaural FM, plus the added satisfaction of building it yourself. Uses only premium-quality silicon transistors for stability and sound purity. Complementary Symmetry amplifier design eliminates both driver and output transformers for amazingly low harmonic distortion and extra-wide power bandwidth.

### AMPLIFIER CIRCUIT

Output: 50 watts IHF; 34 watts continuous sine wave at 8 ohms  
Response:  $\pm 1$  dB, 18 to 30,000 Hz  
Power Bandwidth: 20-20,000 Hz  
Inputs, Hum and Noise: Aux. input, -65 dB; Mag. Phono (RIAA equalized), -60 dB; Tape monitor  
Channel Separation: more than 50 dB  
Outputs: 4 to 16 ohms for speakers; stereo headphones; recorder  
Damping Factor: 50  
Intermodulation Distortion: less than 1% at 60 Hz and 7000 Hz mixed 4:1 at rated power

Two RF stages provide excellent sensitivity. RF and IF circuits are factory-assembled and aligned for easy assembly. Specially selected low-noise transistors in preamp prevent noise and hum in the input circuits. Automatic stereo switching—circuit automatically switches to stereo mode and indicator light goes on when stereo broadcast is received. Illuminated slide-rule dial, signal-strength tuning meter, smooth flywheel tuning.

Full array of controls. Positive-action rocker-type switches. Inputs: magnetic phono, tape monitor and aux. (ceramic phono). Outputs: speakers, tape, stereo headphones. FM dipole antenna. Heavy-gauge extruded aluminum front panel. 4x16x13 $\frac{1}{2}$ ". With instructions. Case below. Shpg. wt., 17 lbs.

22 C 3705 U. \$7 Monthly..... 139.95  
22 C 3714 X. Oiled Walnut Wood Case. Shpg. wt., 7 lbs..... 15.95  
22 C 3241 U. Knight Outdoor FM Antenna Kit. Shpg. wt., 8 lbs..... 5.95



## KG-980 Stereo FM-Phono Kit System

- Receiver Kit
- Garrard Automatic Turntable
- Two Full-Size 12" Allied Speaker System Kits

Separately, \$350.20. Ideal system for the music-lover and do-it-yourselfer. Knight-Kit KG-980 50-Watt Stereo FM Receiver Kit and Walnut Case. Silicon transistors. Full controls, inputs, outputs. Order case above. Garrard SL55 4-Speed Automatic Turntable with Base. Synchro-Lab motor, cueing control. Automatic or manual operation. Pickering V15/ACE-3 Stereo Corridge with elliptical diamond stylus. Two Allied 3030BK Speaker System Kits. 12" woofer, 6" midrange, 3 $\frac{1}{2}$ " tweeter. Tuned port. With walnut finishing oil. Cables and hi-fi booklet. Shpg. wt., 97 lbs.  
22 C 0683 L6Z. \$15 Monthly..... 290.00

Save  
**\$60.20**  
**\$290<sup>00</sup>**  
\$15 monthly

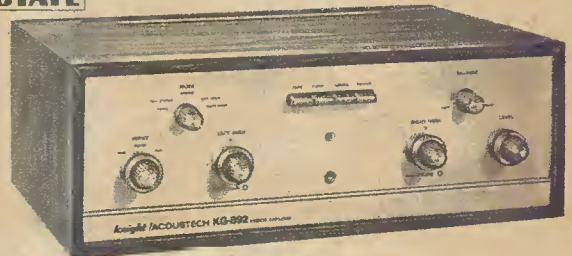


# Exciting Ne Connoisseur-Quality Knight-Kit/Acoustech Amplifier Kits

New concept in amplifiers—buy the Knight-Kit/Acoustech KG-890 basic and use it with any quality preamplifier. At a later date, you can buy the KG-891 P/M preamp module to convert the KG-890 basic to an integrated amplifier. The KG-892 is the equivalent of the KG-890 and KG-891 in one superb kit.



**SOLID STATE**



## KG-890 200-Watt Stereo Basic Amplifier Kit

**\$139<sup>95</sup>**  
less case

- Completely Transformerless Audio Circuit
- Converts to Integrated Amplifier with Addition of KG-891 Preamp Kit

\$7 monthly

Professional-quality solid-state basic amplifier kit is easy to build, performs flawlessly with any solid-state or tube type preamp. Converts to integrated amplifier with addition of KG-891 P/M Preamp Module below right. Circuit eliminates interstage and output transformers, for broad power bandwidth and exceptionally low distortion. Pre-wired and tested, plug-in etched circuit boards for fast, foolproof assembly. Silicon transistors used throughout for greatest stability. Clean transient response thanks to fast square wave response free of overshoot and ringing. Conservatively rated power transformer. Pilot light on gold, anodized, heavy-gauge aluminum panel. Computer-grade electrolytic capacitors. With detailed instructions, exclusive kit cloth with all parts in numbered plastic bags. Order case below KG-892, at right. Shpg. wt., 22 lbs.  
22 C 3610 U. \$7 Monthly..... 139.95

## KG-892 200-Watt Stereo Preamp/Amp Kit

**\$204<sup>95</sup>**  
less case

- Controls and Inputs for all Sources
- All Silicon Solid-State Circuit
- Front-Panel Stereo Headphone Jack

\$11 monthly

Magnificent integrated amplifier is engineered to provide stereo of unsurpassed realism at all power levels. Power amplifier section is same as KG-890 listed at left. Preamp controls include pushbuttons for tape monitor, loudness contour, speaker muting, power on-off. Mode switch selects mono, stereo, stereo reverse, left or right channels individually. Balance, level controls, dual-concentric bass, treble. All specifications same as KG-890 except hum and noise: phono, -55 dB; tuner, -75 dB. Fun-to-build kit has pre-wired plug-in etched circuit boards, all cables stripped and cut to length. Computer-grade electrolytic capacitors. With instructions, exclusive kit cloth with parts in numbered plastic bags. Order case below. 5x15x10". For 115/220 VAC. Shpg. wt., 26 lbs.  
22 C 0075 L2U. \$11 Monthly..... 204.95  
22 C 3118 X. Oiled Walnut Wood Case. Wt., 6 lbs..... 24.50

### KG-890 SPECIFICATIONS

Power Output: 200 watts dynamic power at 1 kHz and 4 ohms; 160 watts dynamic power at 8 ohms; 80 watts continuous rms, 8 ohms at less than 0.45% harmonic distortion. Frequency Response: ±3 dB, 3 to 300,000 Hz. Power Bandwidth: 8-25,000 Hz IHF. Square Wave Rise Time: less than 1 1/4 microseconds. Hum and Noise: -95 dB below rated output. Output Impedance: 4, 8, 16 ohms. Damping Factor: 100:1. Size: 5x15x10". Harmonic Distortion: less than .25%. IM Distortion: 0.45%. Power Req. 115/220 VAC.

## KG-891 P/M Stereo Preamp Module Kit

Builds Into  
KG-890

**\$75<sup>00</sup>**

\$5 monthly

Deluxe solid-state preamp module kit builds directly into the KG-890 200-watt basic amplifier. Converts to a KG-892 with controls and inputs for all sources. Includes gold anodized front panel. For KG-890 only. 4 lbs.  
22 C 3611 X. \$5 Monthly..... 75.00

## Deluxe FM-Phono Stereo Compact Kit

- Compact 3-Piece System in Walnut Cabinets
- Factory-Assembled Except FM Receiver Kit

Handy bookshelf size system in money-saving kit form. Just assemble the receiver kit, mount the turntable on receiver case and connect the factory-assembled speaker systems for delightful stereo. Knight-Kit KG-980 FM Receiver Kit has 50-watt IHF output. Garrard SL65 4-Speed Automatic Turntable, Empire 888E Stereo Cartridge with elliptical diamond stylus. Two Allied 2330A 3-Way Speaker Systems. 12" woofer, 8" midrange, 3 1/2" tweeter. Instructions, oiled walnut-finished wood cabinets, ready-to-mount turntable, ready-to-play speaker systems with cable. Shpg. wt., 117 lbs.  
22 C 0678 16Z. \$16 Monthly..... 339.95



3-Piece  
Ensemble

**\$339<sup>95</sup>**

\$16 monthly

Make Add-On Purchases Any Time . . . Just Say "Charge It"

ALLIED 471



**knight-kit**  
**KITS**  
 MUSICAL INSTRUMENTS



**NEW**

Makes Even Great Combos  
 Sound Bigger, Better

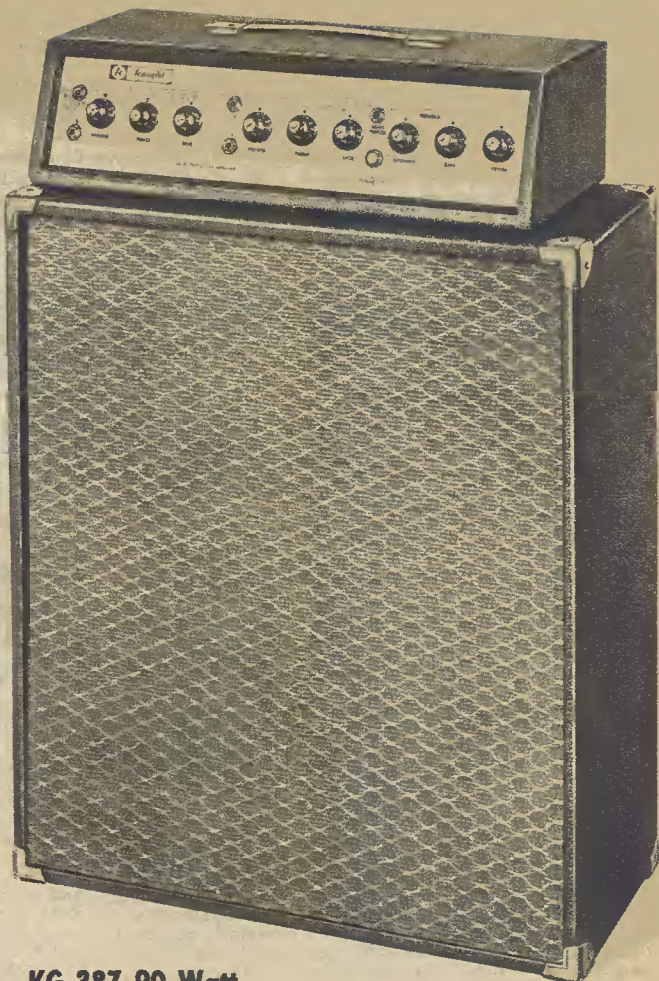
**Piggyback Amplifier  
 with Speaker System**

**\$169<sup>95</sup>** \$9  
 monthly

- Solid-State Circuit Includes Field-Effect Transistors in Preamp for Cleaner Sound
- Includes Foot Switch for Reverb or Tremolo

**SPECIFICATIONS**

- Power Output:** 90 watts peak music; 30 Watts rms.
- Bass Boost:** 9 dB minimum, at 80 Hz.
- Treble Variation:** 20dB at 10,000 Hz.
- Reverb Depth:** (variable) 0-50% min.
- Tremolo Depth:** (variable) 0-75% maximum.
- Tremolo Speed:** (variable) 2-10 Hz.
- Controls:** Normal Channel—Volume, Treble, Bass. Second Channel—Volume, Treble, Bass, Tremolo Intensity, Tremolo Rate, Reverb, Depth.
- Signal-to-Noise:** 60 dB below rated power output.
- Input Sensitivity:** 40 mV for rated output.
- Input Impedance:** 500,000 ohms.
- Input Capacitance:** 10 pF, maximum.
- Semiconductors:** 16 transistors, 6 diodes (includes 4 rectifiers).



**KG-387 90-Watt  
 Solid-State Amplifier Kit and Assembled Speaker**

New professional-quality solid-state combo amplifier and speaker system will delight even the most demanding combo with its sensational performance. Features full 90-watt peak music power amplifier with a wide variety of versatile controls. Use for one instrument or a combination. Unusual tonal effects, too, for the latest "In" sound effects. Speaker system includes two famous Jensen 12" heavy-duty speakers, acoustically baffled for finest tonal quality and smooth, wide response. Amplifier section rides "piggyback" atop the speaker enclosure and is connected with plug-in cord.

Boasts latest solid-state devices for finest sound reproduction and reliability. Field-Effect transistors used in the preamp stages assure low noise level with distortion-free performance. High input impedance with low input capacitance allows a maximum transfer of harmonics for cleaner, crisper, more vibrant tonal color. Dual channels with 2 inputs per channel. Normal channel is designed for lead, rhythm or bass guitar, voice, sitar, etc. Second channel features tremolo with separate intensity and rate controls, and reverberation using the popular Hammond reverb unit for the concert hall effect. Foot switch jack on control panel for remote switching of reverb or tremolo with foot switch (included). Separate treble and bass controls allow the operator to boost or cut either independently.

Control panel features clearly marked, easy-to-read control knobs, switches, inputs and outputs—placed for instant fingertip control. Speaker and amplifier enclosures are covered with high-grade gray tangle-tweed Tolex. Grille cloth has silver thread diamond pattern on black background. Amplifier, 5<sup>3</sup>/<sub>4</sub>x19<sup>3</sup>/<sub>4</sub>x8<sup>3</sup>/<sub>4</sub>". Speaker enclosure, 26<sup>1</sup>/<sub>2</sub>x10x22<sup>1</sup>/<sub>4</sub>". With precut wire, solder, instructions. For 110-130 V, 60 Hz AC. Shpg. wt., 60 lbs.  
 22 C 3328 Z, \$9 Monthly.....169.95



# SCOTT Solid-State Stereo Receiver, Tuner and Amplifier Kits

H. H. SCOTT  
**KITS**  
STEREO HI-FI

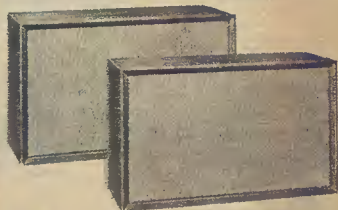


**NEW**

**LR88 100-Watt Stereo  
FM-AM Receiver Kit with  
Integrated Circuits and FETs**

**\$299<sup>95</sup>**  
less  
case  
**\$15 monthly**

Shown in  
wood case



**Save  
\$54.30**

**System Featuring LR88**

**\$499<sup>95</sup>**  
\$21 monthly

- 100-Watt Receiver
- Garrard SL65
- Empire 888E Cartridge
- Two KN-3030B Systems

Superb performer. Kit version of Scott's best stereo FM-AM receiver, with latest state-of-the-art innovations for finest stereo sound and easiest assembly. Boasts all-silicon-transistor circuit. Field-effect-transistor (FET) silver-plated front-end for maximum sensitivity. Integrated circuit IF strip for outstanding separation and capture ratio.

Automatic stereo FM switching. Signal-strength and zero-center tuning meters. Computer-type pushbutton selector switches; headphone jack and microphone jacks on front panel; main/remote speaker switch; tape monitor. Between-station muting. Stereo indicator light. Automatic Variable Bandwidth for excellent AM reception. Switchable filter suppresses noise.

Output: 100 watts IHF at 4 ohms. Response:  $\pm 1$  dB, 15-30,000 Hz. FM Sensitivity: 1.7  $\mu$ V. Capture Ratio: 2.2 dB. Harmonic Distortion: 0.8%. FM Stereo Separation: 42 dB. Outputs: 4-16 ohms; headphones; recording. Hum and Noise (Phono): -55 dB.  $4\frac{1}{8} \times 15\frac{1}{8} \times 12\frac{1}{4}$ ". Optional case below. For 115 V, 60 Hz AC.

- 13 C 2011 U. Shpg. wt., 26 lbs. \$15 Monthly.....299.95  
13 C 2001 X. Metal Wood-Grain Case. Shpg. wt., 5 lbs.....11.85  
13 C 2040 X. Oiled Walnut Case. Shpg. wt., 6 lbs.....20.82

Separately, \$554.25. Delivers magnificent stereo that will please the most critical listener. Features the Scott LR88 Stereo FM-AM Receiver Kit, described at left; Garrard SL65 4-Speed Automatic Turntable with B1 Base and Empire 888E Stereo Elliptical Cartridge; two KN-3030B 3-Way 12" Walnut Speaker Systems. Order receiver case at left. Shpg. wt., 100 lbs.  
13 C 0342 D5U. \$21 Monthly.....499.95

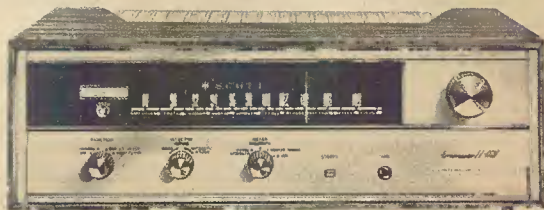


Shown in wood case

**LK-60B 120-Watt Solid-State  
Stereo Amplifier Kit** **\$179<sup>95</sup>** \$9 monthly  
less case

A powerful, top-performing amplifier kit. Gives you fingertip command of 120 watts of stereo. Silicon, transformerless output stages assure wide power bandwidth. Power monitor meter. Output: 60 watts IHF per channel; 37½ watts per channel rms. Response:  $\pm 1$  dB, 15-30,000 Hz. Power Bandwidth: 20-20,000 Hz. Harmonic Distortion: below 0.8%. Inputs: tape head, magnetic phono, aux., tape monitor. Outputs: 4, 8, 16 ohms; tape recording; stereo headphones.  $5\frac{1}{4} \times 15\frac{1}{2} \times 13\frac{1}{4}$ ". Black vinyl-finish chassis enclosure. Optional case below. For 115 VAC.

- 13 C 2738 U. Wt., 21 lbs. \$9 Monthly.....179.95  
13 C 2001 X. Brawn Metal Case. Wt., 5 lbs.....11.85  
13 C 2040 X. Oiled Walnut Wood Case. Wt., 6 lbs.....20.82



Shown in wood case

**LT-112B-1 Solid-State  
Stereo FM Tuner Kit** **\$179<sup>95</sup>** \$9 monthly  
less case

Deluxe tuner pulls in superb stereo FM in virtually any signal area. Special three-function meter shows signal strength, "O center" and multipath signals (ghosts) to permit perfect tuning and antenna setting. Silver-plated front end, all-silicon IF strip, and Scott time-switching multiplex circuit are all factory-assembled. Sensitivity: 1.8  $\mu$ V. Harmonic Distortion: 0.8% at 100% modulation. Stereo Separation: 40 dB. Cross Modulation Rejection: 80 dB. Signal-to-Noise Ratio: 75 dB.  $5\frac{1}{4} \times 15\frac{1}{2} \times 13\frac{1}{4}$ ". Optional case below. For 110-120 VAC. 13 lbs.

- 13 C 2035 U. \$9 Monthly.....179.95  
13 C 2001 X. Brawn Metal Case. Wt., 5 lbs.....11.85  
13 C 2040 X. Oiled Walnut Wood Case. Wt., 6 lbs.....20.82

See Pages 30, 31, 44, 45, and 53 for Factory-Assembled Scott Components

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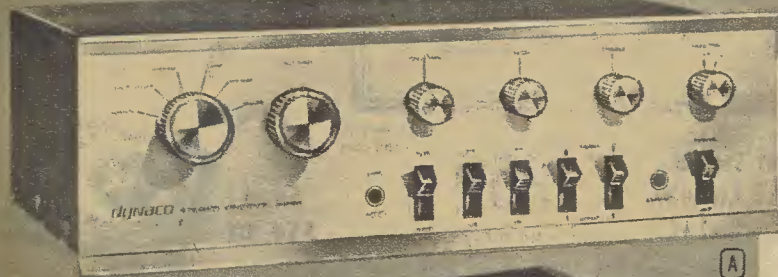


# DYNACO KITS

OR ASSEMBLED

## Dynaco Perfectionist-Quality Solid-State Stereo Components

Dyna high-fidelity components are famous for excellent quality and superb performance, yet are moderately priced. Dyna components have the latest circuit advancements, plus all-silicon transistors for greatest stability. Money-saving kit versions feature easy-to-follow step-by-step instructions. Also available completely factory-assembled.



A



B

### PAT-4 Stereo Preamp

Kit Form	Assembled
<b>\$89<sup>95</sup></b>	<b>\$129<sup>95</sup></b>
\$5 monthly	\$7 monthly

### "Stereo 120" Basic Amplifier

Kit Form	Assembled
<b>\$159<sup>95</sup></b>	<b>\$199<sup>95</sup></b>
\$8 monthly	\$10 monthly

#### A PAT-4 Solid-State Stereo Preamplifier

- 5-100,000 Hz Response • Mike/Guitar Input
- All Silicon Transistors for Complete Stability
- Complete Array of Controls, Inputs and Outputs

This versatile control center for all stereo sources and functions puts you in total command of your stereo system. Specially designed as a perfect mate for the "Stereo 120" listed at right or any other Dynakit basic amplifier. Features all silicon-transistor circuit design for exceptional stability and reliability.

Six positive-action rocker switches control loudness contour, tape monitor, power on-off, low filter, mono and stereo modes. Has four-position high filter with 7 kHz, 10 kHz, 15 kHz and flat response positions. Volume, balance controls; separate bass and treble controls for each channel. Six-position input selector for special, tape head, magnetic phono, tape deck, tuner, and spare.

Accepts both high and low-level phono cartridges. Convenient front-panel input jack for plugging in a microphone or electric guitar. Heavy-gauge extruded aluminum front panel. *Frequency Response:* ±0.5 dB, 5-100,000 Hz. Size, 4x13x8". For 120/240 volts, 50-60 Hz AC. With metal cover. Shpg. wt., 11 lbs.

13 C 2235 X. Kit Form. \$5 Monthly ..... 89.95  
13 C 2241 X. Factory Assembled. \$7 Monthly ..... 129.95

#### B "Stereo 120" 120-Watt Basic Amplifier

- 60 Watts of Sustained rms Power Output per Channel
- All Silicon Transistors for Stability and Reliability
- Self Adjusting Bias • Fully-Regulated Power Supply

Deluxe solid-state stereo basic amplifier engineered to satisfy the most critical audiophile. Features the latest advancements in electronic circuits. Twenty-eight semi-conductors deliver magnificent stereo sound with complete freedom from coloration. Continuous power rating is 60 watts rms on each channel at 4 or 8 ohms.

There are no interstage or output transformers to restrict frequency response. All silicon transistors are used throughout for utmost stability and reliability. Designed-in electronic protection against damage to transistors caused by shorting of speaker leads. Requires no adjustments—even bias is self-adjusting. Oversize power transformer and fully-regulated power supply.

*Response:* ±0.5 dB, 5-100,000 Hz. *Harmonic Distortion:* less than 0.5%. *IM Distortion:* less than 0.5%. *Noise:* 95 dB down. *Output Impedance:* matches 4 to 16 ohms. Use with PAT-4, left, or PAS-3X preamp on facing page. Heavy-gauge plated chassis with metal cover. 4x13x10½". For 120/240 volts, 50-60 Hz AC. Wt., 20 lbs.

13 C 2233 U. Kit Form. \$8 Monthly ..... 159.95  
13 C 2234 U. Factory Assembled. \$10 Monthly ..... 199.95



# Outstanding Dynaco Tube-Type Stereo and Mono High-Fidelity Components

## "Stereo 70" 70-Watt Basic Amplifier

This basic amplifier is famous among critical music lovers because of its wide response and purity of sound. Capable of driving even low-efficiency speaker systems to their limits. *Power:* 90 watts IHF; 70 watts continuous. *Response:*  $\pm 0.5$  dB, 10-40,000 Hz. *IM Distortion:* less than 1% at full power. *Hum and Noise:* over 90 dB below full output. *Outputs:* 4 to 16 ohms. Excellent for use with either the Dyna PAT-4 or PAS-3X stereo preamps.  $6\frac{1}{2} \times 9\frac{1}{2} \times 13"$ . With brown cover. For 110-120 volts, 50-60 Hz AC. Four EL34 output tubes. Shpg. wt., 31 lbs.  
 13 C 2237 U. Kit Form. \$5 Monthly..... 99.95  
 13 C 2238 U. Factory Assembled. \$7 Monthly..... 129.95

## "Stereo 35" 35-Watt Basic Amplifier Kit

Similar to above, except 45 watts IHF, 35 watts cont.  $\pm 1$  dB, 10-40,000 Hz. 8, 16 ohms. With cover.  $4 \times 5\frac{1}{2} \times 13"$ . 110-120 V., 50-60 Hz AC. Shpg. wt., 16 lbs.  
 13 C 2593 X. Kit Form. \$5 Monthly..... 59.95  
 13 C 2594 X. Factory Assembled. \$5 Monthly..... 79.95

## Famous PAS-3X Stereo Preamplifier

Most advanced model in PAS Series. Complete control facilities. Ideal for use with any quality basic amplifier. Critical circuitry is prewired. Variable separation. In "0" position, tone control circuit is disabled for absolutely flat response. Tape monitor, loudness, scratch filter, power switches. Selector switch, volume, balance controls; bass, treble for each channel. Inputs for phono, tape head, tuner, recorder. *Response:*  $\pm 0.5$  dB, 10-40,000 Hz. 5 tubes plus rectifier.  $4 \times 13 \times 8"$ . Satin-tone front panel. 110-120 V, 50-60 Hz AC. Wt., 11 lbs.  
 13 C 2242 X. Kit Form. \$5 Monthly..... 69.95  
 13 C 2236 X. Factory Assembled. \$6 Monthly..... 109.95



## FM-3 Sensitive Stereo FM Tuner

Enjoy stereo FM with full dimensional realism. Tuned RF stage has slug-tuned coils for laboratory-accurate alignment without special equipment. Wideband discriminator. Four IF stages. Planetary drive tuning. Stereo indicator light. *Sensitivity:* 4  $\mu$ V (IHF). *Separation:* 30 dB.  $4 \times 13 \times 8"$ . Metal case. 110-120 V, 50-60 Hz AC. 13 lbs.  
 13 C 2588 X. Kit Form. \$5 Monthly..... 99.95  
 13 C 2589 X. Factory Assembled. \$8 Monthly..... 154.95

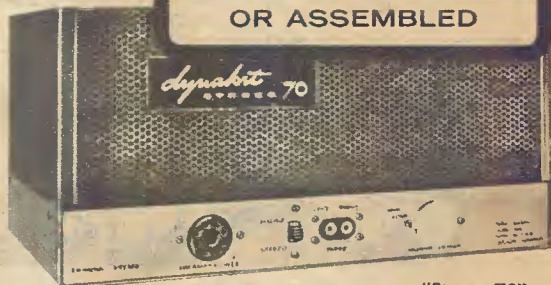


## SCA-35 35-Watt Stereo Amplifier

Powerful integrated amplifier at a moderate price. Has selector, volume, balance, bass, treble, mode, loudness, filter, on-off controls. Hum-balance, 2 AC outlets, center-channel and tape outputs; headphone jack. Output: 35 watts rms. *Response:*  $\pm 0.25$  dB, 20-20,000 Hz. *IM Dist.:* less than 1%. *Hum:* 80 dB down. 8, 16 ohms.  $4 \times 13 \times 10"$ . Metal case. 110/120 V, 50-60 Hz AC. Wt., 21 lbs.  
 13 C 2590 U. Kit Form. \$5 Monthly..... 99.95  
 13 C 2595 U. Factory Assembled. \$7 Monthly..... 139.95

# DYNACO KITS

OR ASSEMBLED



Kit \$99.95 \$5 monthly  
 Assembled \$129.95 \$7 monthly  
 "Stereo 70" • 90 Watts IHF



Kit Form \$69.95 \$5 monthly  
 • Unmeasurable Harmonic Distortion  
 • DC on Filaments to Prevent Hum  
 • Variable Channel Separation



Mark IV  
 Mark III  
 PAM-1 Preamp

## Dynakit Monaural Hi-Fi Components

- A** Mark IV 40-Watt Basic Mono Amplifier Kit. Famous for its clean sound. *Response:*  $\pm 0.5$  dB, 10-40,000 Hz. *IM Distortion:* less than 1%. *Hum and Noise:* 90 dB below rated power. *Impedances:* 4, 8, 16 ohms.  $7 \times 14 \times 5"$ . With cover. 110-120 V, 50-60 Hz AC. 20 lbs.  
 13 C 2265 U. Kit Form. \$5 Monthly..... 59.95  
 13 C 2266 U. Factory Assembled. \$5 Monthly..... 79.95
- B** Mark III 60-Watt Basic Mono Amplifier Kit. Similar to above, but even more power! *Response:*  $\pm 0.5$  dB, 10-60,000 Hz. *IM Distortion:* under 1%. *Hum and Noise:* 90 dB below full power. *Impedances:* 4, 8, 16 ohms.  $6\frac{3}{4} \times 9 \times 9"$ . With cover. 110-120 V, 50-60 Hz AC. 28 lbs.  
 13 C 2267 U. Kit Form. \$5 Monthly..... 79.95  
 13 C 2268 U. Factory Assembled. \$5 Monthly..... 99.95
- C** PAM-1 Mono Preamp Kit. Full controls. Takes power from Mark III, IV, "Stereo 70." Cover. 6 lbs.  
 13 C 2246 X. Kit Form. \$5 Monthly..... 34.95  
 13 C 2247 X. Factory Assembled. \$5 Monthly..... 59.95

Look to Allied for the Finest Names in Stereo High-Fidelity

ALLIED 475

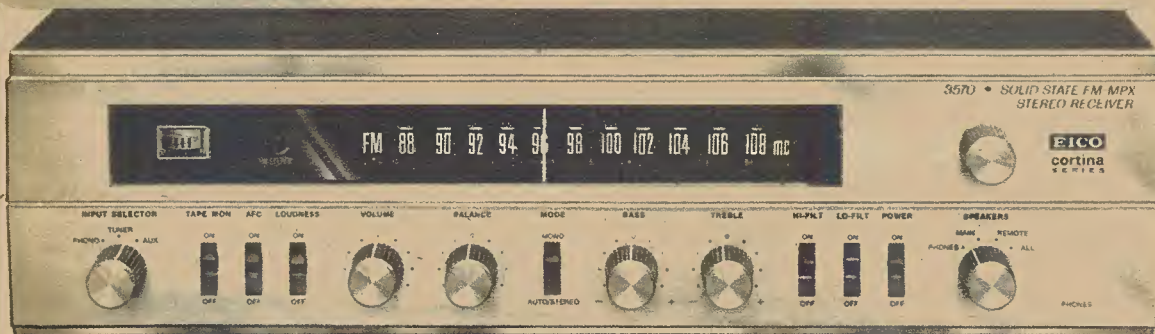


**EICO**  
**KITS**  
STEREO-HI-FI

**EICO "Cortina" Series Solid-State  
70-Watt Stereo FM Receiver Kit**





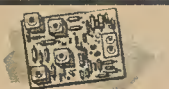

Kit Form **\$169<sup>95</sup>**  
\$9 monthly

Factory Assembled **\$259<sup>95</sup>**  
\$13 monthly



**QUALITY FEATURES**

Metal Case Included

 HI and LO Filters	 Silicon Transistors
 Five Tuned Circuits	 Switchable AFC
 Time-Switching MPX	 Speaker Selector

**Model 3570 70-Watt Stereo FM Receiver Kit**

Easy-to-build stereo FM receiver kit offers top performance. Solid-state circuit uses finest silicon transistors to deliver 70 watts IHF of magnificent stereo sound. Preassembled front-end, multiplex and IF circuits. Five tuned circuits in FM front-end and four double-tuned IF stages assure excellent sensitivity and selectivity. Tuning meter, stereo indicator light, storecast filter, switchable AFC, tape monitor, loudness control, speaker selector.

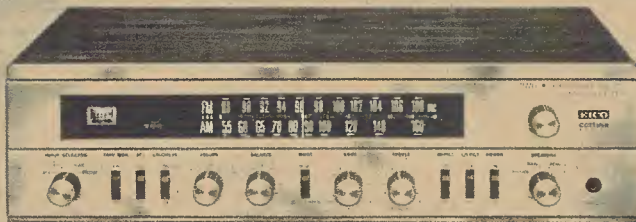
Response:  $\pm 0.5$  dB, 8-60,000 Hz. Sensitivity: 2.4  $\mu$ V. Harmonic Dist.: less than 0.75%. Hum and Noise: 70 dB below output. Separation: 40 dB. Inputs: magnetic phono, tape, aux. Outputs: 4-16 ohms, headphones, recorder. With walnut-appearance vinyl-clad metal case. 4 $\frac{1}{2}$ x16x9". 115 VAC. Shpg. wt., 14 lbs.

13 C 2342 U. Kit Form, \$9 Monthly..... 169.95  
13 C 2343 U. Factory Assembled, \$18 Monthly..... 259.95

13 C 2336 X. Special Oiled Walnut Case. For 3570 or 3770 plus any automatic turntable. Includes dust cover for turntable. Mounting board is uncut. Cut it yourself to fit turntable of your choice. 10 lbs..... 39.95

**NOTE!**

See Hi-Fi Systems Featuring These Receivers on Page 41



**New Eico "Cortina" 3770 Solid-State 70-Watt Stereo FM-AM Receiver**

Metal Case Included

Kit Form **\$189<sup>95</sup>**  
\$10 monthly

Assembled **\$279<sup>95</sup>**  
\$14 monthly

Exciting new solid-state stereo receiver kit—FM-AM version of famous 3570, above. Delivers 70 watts of amazingly true-to-life stereo FM as well as crystal-clear AM. Preassembled front end, multiplex and IF circuits speed and simplify assembly. Premium silicon transistors, five tuned circuits in FM front end and four double-tuned IF stages provide exceptional stability, sensitivity and selectivity. Loaded with deluxe features for top performance. Full controls to tailor sound to your taste.

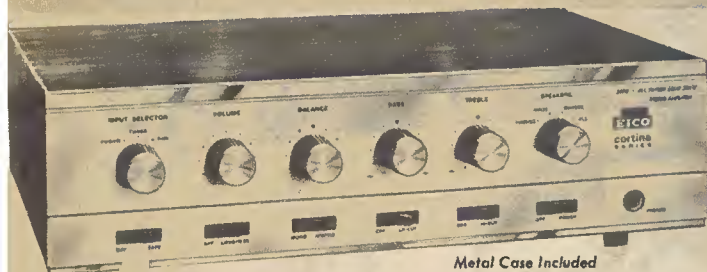
Response:  $\pm 0.5$  dB, 8-60,000 Hz. FM Sensitivity: 2.4  $\mu$ V. Harmonic Distortion: less than 1.5%. Hum and Noise: 65 dB below output. Stereo Separation: 40 dB. Inputs: Magnetic phono, tape, aux. Outputs: 4-16 ohms, stereo headphones, tape recorder. With vinyl-clad, walnut-finish case. 4 $\frac{1}{2}$ x16x9". 115 VAC. 15 lbs.

13 C 2334 U. Kit Form, \$10 Monthly..... 189.95  
13 C 2335 U. Factory Assembled, \$14 Monthly..... 279.95

# EICO Stereo Component Kits . . Amplifiers, Tuner and Color Organ

Kit Form **\$99<sup>95</sup>**  
\$5 monthly

Factory Assembled **\$139<sup>95</sup>**  
\$7 monthly



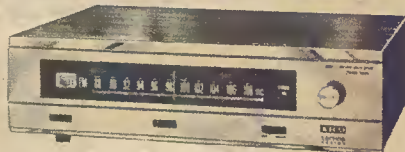
Metal Case Included

## "Cortina" 3070 Solid-State 70-Watt Stereo Amplifier

Highly-popular solid-state amplifier kit offering excellent value and powerful performance. All-silicon transistor circuit and transformerless output stage for remarkably pure full-range response. Special high-gain preamplifier has high overload level for clean amplification over a wide dynamic range. Full set of controls includes; tape monitor, loudness contour, low and high cut filters, speaker selector switch. Scratch and rumble filters. Front-panel stereo headphone jack.

**Power Output:** 70 watts IHF at 4 ohms. **Response:**  $\pm 1.5$  dB, 5-100,000 Hz. **Harmonic Distortion:** less than 0.8%. **IM Distortion:** less than 1%. **Hum and Noise:** 72 dB below rated power. **Inputs:** magnetic phono, tuner, aux. **Outputs:** 4-16 ohms, ext. speaker, headphones, recording. With metal case.  $3\frac{1}{4} \times 12 \times 8"$ . For 115 VAC. Shpg. wt., 8 lbs.  
13 C 2338 X. Kit Form. \$5 Monthly..... **99.95**  
13 C 2339 X. Factory Assembled. \$7 Monthly..... **139.95**

## "Cortina" Stereo FM Tuner Kit



Kit Form

**\$99<sup>95</sup>** \$5 monthly

Assembled

**\$139<sup>95</sup>** \$7 monthly

Model 3200. Superb solid-state stereo FM tuner kit is loaded with extras to assure brilliant performance. Preamplified front end, multiplex and IF's. Two RF stages, 5 tuned circuits, four-stage double-tuned IF circuit. Automatic stereo switching. Tuning meter, stereo indicator, SCA filter. Sensitivity, 2.4  $\mu$ V. Perfect mate for 3070 amplifier, left. With metal case.  $3\frac{1}{4} \times 12 \times 8"$ . 115 VAC. Shpg. wt., 7 lbs.  
13 C 2340 X. Kit Form. \$5 Monthly.. **99.95**  
13 C 2341 X. Assembled. \$7 Monthly.. **139.95**

## New 3150 Solid-State 150-Watt Stereo Amplifier Kit



Metal Case Included

Kit Form

**\$149<sup>95</sup>**  
\$8 monthly

- Tremendous 150-Watt IHF Power Output of 4 Ohms
- Has All Silicon Transistors for Finest Sound
- Handsome Vinyl-Finish Walnut-Grain Metal Case

Deluxe new 150-watt stereo amplifier kit boasts features and performance you would expect to pay far more for. Solid-state circuit with all-silicon transistors. Provides astonishingly pure sound reproduction for true-to-life stereo realism. Full array of controls and filters plus speaker selector switch. Output transistor protection. **Power Output:** 150 watts IHF at 4 ohms; 100 watts rms. **Response:**  $\pm 1.5$  dB, 10-50,000 Hz. **Harmonic Distortion:** 0.1%. **Hum and Noise:** -70 dB. **Inputs:** magnetic phono, tuner, aux., tape. **Outputs:** 4-16 ohm speakers, ext. speaker, headphones, recording, 2 AC convenience outlets, one switched. With metal case.  $3\frac{1}{8} \times 15 \times 7\frac{1}{2}"$ . For 115 VAC. Shpg. wt., 17 lbs.  
13 C 2254 U. Kit Form. \$8 Monthly..... **149.95**  
13 C 2253 U. Factory Assembled. \$12 Monthly..... **225.00**

## NOTE!

For Selected Stereo Systems  
Featuring Eico "Cortina"  
Amplifiers, See Page 49

## New Eico 3440 Color Organ Kit

Kit Form

**\$49<sup>95</sup>**  
\$5 monthly

Spectacular  
Light Display  
Follows Music

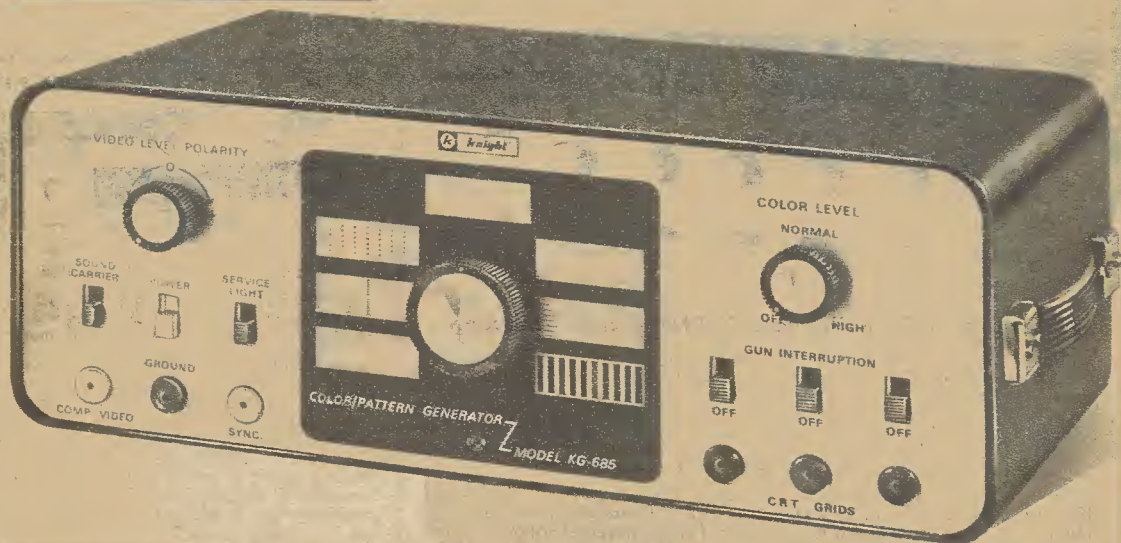


See your favorite music displayed in thrilling color! Color and intensity change with the frequency and volume of the music. Connects in seconds to speaker leads of any hi-fi, guitar amplifier, recorder—you can use one or two 3440's with your stereo system. Volume control assures full performance with any power input level. Has no effect on sound quality. Solid-state circuit—not mechanical. Shatterproof 9x14" screen. Walnut grain wood case, 10x15x6". 115 VAC. 12 lbs.  
13 C 2255 U. Kit. \$5 Monthly..... **49.95**  
13 C 2256 U. Assembled..... **79.95**





# Adjust Convergence and Color for Movie-Clear TV With This Deluxe Generator



# 7

## ACCURATE, STABLE PATTERNS

1. Purity Adjustment
2. Ten Color Bars
3. Small Dot Pattern
4. Horizontal Lines
5. Vertical Lines
6. Crosshatch Pattern
7. 6-Position Gray Scale

KG-685  
Kit

**\$89<sup>95</sup>**

\$5  
monthly

### KG-685 Portable Solid-State Color Bar/Pattern Generator Kit

#### ✓ CHECK THESE IMPORTANT EXTRAS

- ✓ 3 Crystal-Controlled Oscillators, plus 19 Silicon Transistors for Outstanding Stability and Reliability
- ✓ Single Control Selects Any of Seven Crystal-Controlled Patterns—No Need for Synchronization with Set
- ✓ Color Gun Interrupters Have Insulation-Piercing Clips, for Fast, Safe Connection to Receiver Under Test
- ✓ Roomy Storage Compartment for All Cables, plus Self-Contained Service Light and Mirror
- ✓ Special Power Transformer with Low External Field Eliminates Magnetic Effects on Color CRT
- ✓ Composite Sync Output of -2 Volts Allows Accurate Work on All Zenith Color TV Sets

# KG-685 Portable Solid-State Color Bar/Pattern Generator Kit

KG-685  
Kit

\$89<sup>95</sup>

\$5  
monthly

Fully portable and easy-to-operate—perfect choice for on-the-bench and in-the-home color TV servicing. Saves time—pays big dividends—and you save money by building it yourself! Offers the most for your money—outstanding performance; rock-like stability; and day-in, day-out reliability. Precision solid-state circuit use 22 transistors (19 silicon types including Unijunction Counters) plus 8 diodes for utmost dependability and operating efficiency.

Seven patterns provide all the displays needed for complete color set adjustments: 10 color bar signals; purity, tracking and crosshatch patterns; dots; vertical lines; horizontal lines. All displays are extremely well-defined with low background noise. Pattern provided for synchronization and quieting when making purity adjustments does not require the usual tube removal or other quieting "tricks." Unique gray scale pattern provides 6 discrete levels of brightness for gun tracking adjustments. Color bars are brightness keyed for more precise color adjustments. Horizontal display elements are only one-raster-line thick for ultimate definition. Crystal-controlled patterns eliminate any need for synchronization with test set. Solid-state design for instant operation.

Insulation-piercing clips on gun interrupters allow fast and positive connection to receiver under test. Shaded light source has handy clip mount for convenient lighting of service adjustments in darkened room. Highly polished service mirror stores under bottom of case. Roomy storage compartment in back of case for all test cables. Special power transformer has extremely low external field to eliminate magnetic effects on color CRT. Rugged steel case, 4 $\frac{1}{2}$  x 9 $\frac{1}{2}$  x 12". With all parts, test cables, detailed step-by-step instructions. For 110-130 V, 60 Hz AC. Shpg. wt., 14 lbs.

22 C 3989 X. \$5 Monthly.....89.95

## SPECIFICATIONS

*Seven Crystal-Controlled Displays:* purity, tracking, dots, crosshatch, vertical lines, horizontal lines and color bars. *RF Output:* 10,000  $\mu$ V minimum, tunable to channels 3, 4 or 5. *Composite Video Output:*  $\pm 2$  volts peak-to-peak. *Composite Sync Output:* -2 volts (for Zenith color sets). *Master Oscillator:* 189 kHz, crystal-controlled. *Color Oscillator:* 3.56 MHz, crystal-controlled. *Sound Subcarrier Oscillator:* 4.5 MHz, crystal-controlled. *Front Panel Controls and Jacks:* Display Selector Switch; Sound Carrier On/Off Switch; Power On/Off Switch; Service Light On/Off Switch; Gun-Interruption On/Off Switches (three—one red, one blue, one green); Color Level Control (off through high, continuously variable); Video Level/Polarity (continuously variable level with choice of polarity); 6 Pin Jacks: (three signal output and three CRT grids). *Rear Panel Controls and Adjustments:* Channel Tuning; Vertical Intensity (screwdriver adj.); Timing (5 screwdriver adj.); 6-circuit Test Jack. *Cables Supplied:* RF Output, 4-ft. long with alligator clips; Gun Interrupter, 4-ft. long with lead-piercing, color-coded alligator clips and ground lead; Service Light, 3-ft. long with insulated mounting clip, hi-intensity lamp and shade; Composite Video and Sync, 4-ft. with alligator clips and ground. *Power Requirements:* 110-130 V, 60 Hz AC. *Fuse:* Internal,  $\frac{1}{4}$ -amp quick blow. *Power Consumption:* approximately 10 watts.

Accclaimed by The Experts!

"Considering . . . the output test signals and the conveniences . . . the KG-685 . . . in kit form . . . ranks as a first choice in color bar generators."

RADIO-TV EXPERIMENTER

"Not only does the manual tell how to use the generator . . . it also contains a large, useful section on the color tube and . . . adjustments . . ."

ELECTRONICS WORLD

## Color TV Servicing Starter Package



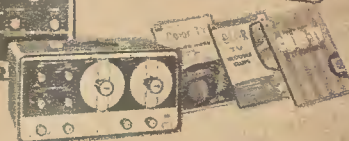
Save  
\$10.00

\$210<sup>80</sup>

\$11  
monthly

Separately, \$220.80. Includes Knight-Kit KG-685 Color Bar/Pattern Generator Kit; KG-635 5" Wideband Oscilloscope Kit with Direct Test Leads; 3 Books: "Color TV Servicing Made Easy"; "Color TV Trouble Clues," and "Know Your Color TV Test Equipment." Shpg. wt., 45 lbs.  
22 C 0493 L3Z. \$11 Monthly..... 210.80

## Deluxe Color TV Service Package



Save  
\$15.00

\$315<sup>75</sup>

\$16  
monthly

Separately, \$330.75. For advanced color servicing, precision adjustments, etc. Features same fine quality components as above, plus Knight-Kit KG-687 RF Sweep/Marker Generator Kit. 58 lbs.  
22 C 0488 L4Z. \$16 Monthly..... 315.75

## Sams Color TV Books



Color TV Servicing Made Easy. Circuits, test equipment, installation, antennas, alignment. 192 pages. 5 $\frac{1}{2}$  x 8 $\frac{1}{2}$ ".  
23 C 7128 E. Shpg. wt., 12 oz..... 3.95

Color TV Trouble Clues. Vol. 2. Illustrated guide. 96 pages. 5 $\frac{1}{2}$  x 8 $\frac{1}{2}$ ".  
23 C 7734 E. Shpg. wt., 5 oz..... 2.50

Know Your Color TV Test Equipment. Explains instrument function and circuit action. 160 pages. 5 $\frac{1}{2}$  x 8 $\frac{1}{2}$ ".  
22 C 3145 EX. Shpg. wt., 8 oz..... 3.50

RCA Color TV Pict-O-Guide. Covers troubleshooting and adjusting color TV receivers. 153 pages. 6 x 9 $\frac{1}{2}$ ".  
23 C 7392 E. Shpg. wt., 1 $\frac{1}{4}$  lbs..... 6.00

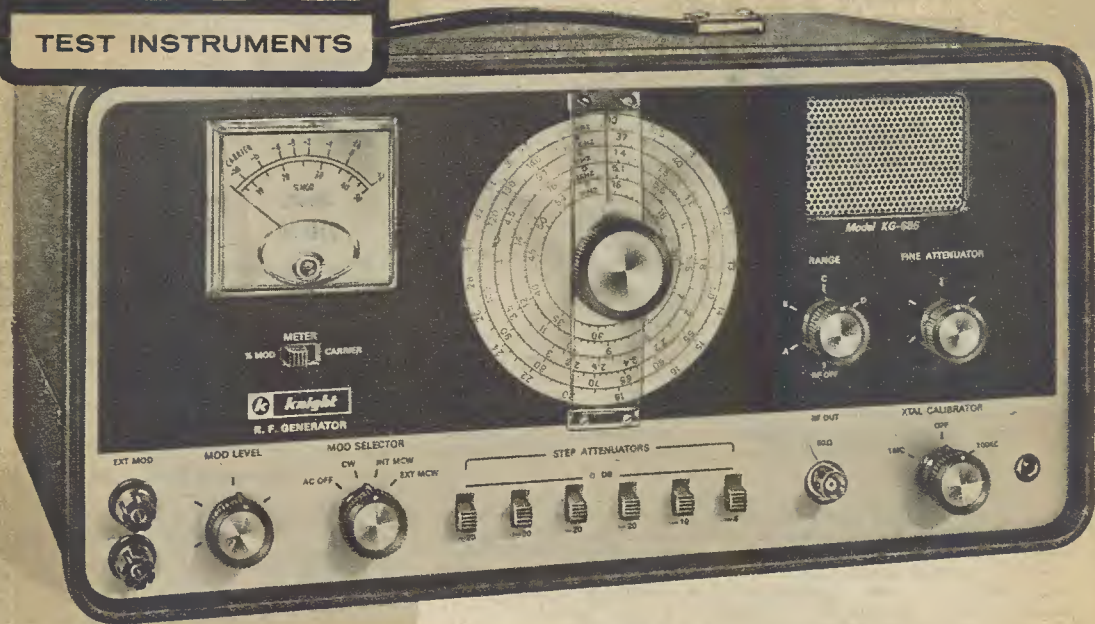


# KG-686 Laboratory RF Signal Generator Kit

**knight-kit**

**KITS**

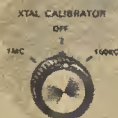
TEST INSTRUMENTS



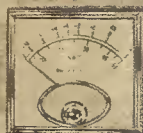
## PROFESSIONAL FEATURES



Easy-to-Read Metal Dial Has 6:1 Vernier Drive with Anti-Backlash for Precise Frequency Selection



Built-In 100-kHz/1 MHz Crystal Calibrator, Frequency Accuracy Usable to  $\pm 0.1\%$



Switchable 200- $\mu$ A D'Arsnval Meter Shows Accurate RF Carrier or Modulation Level

## SOLID STATE

With Built-In Crystal Calibrator **\$95<sup>00</sup>** \$5 monthly

Delivers the professional performance of RF generators costing much more. Boasts *all-silicon-transistor* circuit, plus built-in 100 kHz/1 MHz crystal calibrator. Covers 100 kHz to 54 MHz (includes all television IF frequencies). Accuracy is  $\pm 1.5\%$  on any of five fundamental bands, usable to  $\pm 0.1\%$  with crystal calibrator.

Floating-type chassis-isolated oscillator; tunable L and C on every band. Six individually-shielded, separate step-attenuator switches offer 21 discrete levels to -96 dB. Fine attenuator control covers -10 to +2 dB. Detector-amplifier-speaker gives "zero" beats from calibrator. Bridged "T," two-stage modulation oscillator. Easy-to-read 4" metal dial has two alternating colors; 6:1 vernier drive with anti-backlash.

Careful chassis layout and generous copper shielding assure minimum radiated leakage. Regulated power supply for excellent output stability. Output is calibrated into 50-ohm load, 120,000  $\mu$ V max. Point-to-point wiring. Sturdy all-steel case, 10 $\frac{1}{2}$  x 14 $\frac{3}{4}$  x 7 $\frac{3}{4}$ ". Detachable line cord for easy storage and service. With BNC output jack, mated terminal cable, solder, instructions. For 110-130 V, 60 Hz AC.

22 C 3993 X. Shpg. wt., 15 lbs. \$5 Monthly.....95.00

## SPECIFICATIONS

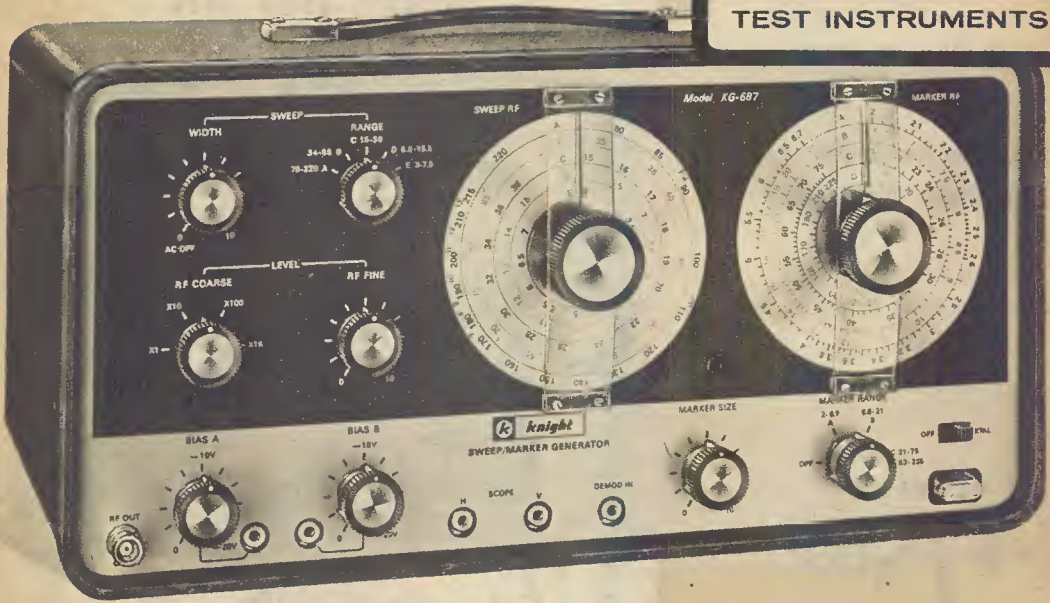
**Frequency Coverage:** 100 kHz to 54 MHz in 5 fundamental bands. Band A, 100-370 kHz; Band B, 370-1400 kHz; Band C, 1.4-5.1 MHz; Band D, 5.1-16 MHz; Band E, 16-54 MHz. **Frequency Accuracy:**  $\pm 1.5\%$ , usable to  $\pm 0.1\%$  with built-in 100 kHz/1 MHz crystal calibrator. **Calibrator:** 100 kHz (derived)/1 MHz. Accuracy,  $\pm 0.05\%$ . **Detector-amplifier-speaker system for audible "zero" beats. Calibrated Output:** 50-ohm load, 120,000  $\mu$ V max. **Open-Circuit Uncalibrated Output (min. rms):** Band A, 3 V; Band B, 2 V; Band C, 0.6 V; Bands D, E, 0.3 V. **Attenuation:** Six step attenuators; 21 levels to -96 dB. Fine control covers -10 to +2 dB. Outputs to -106 dB (0.5  $\mu$ V) may be obtained. **Internal Modulation:** 400 Hz at  $\pm 20\%$ . **External Sens.:** 1 Vrms for 50% modulation.

"An honest-to-goodness calibrated-output RF signal generator for under \$300! Yep, less than \$100! It's Allied Radio's KG-686."

ELECTRONICS ILLUSTRATED

# G-687 Professional Sweep/Marker Generator Kit

**knight-kit**  
**KITS**  
TEST INSTRUMENTS



**SOLID STATE**

With 4.5 MHz Crystal **\$120<sup>00</sup>** \$6 monthly

**PROFESSIONAL FEATURES**

For color, black-and-white TV, FM and stereo-FM servicing. All-electronic sweep from 1 Hz to as high as 18 MHz at highest center frequency; crystal-controlled and variable post-injected marker system. Sweep oscillator covers 3-220 MHz on five fundamental bands; marker oscillator covers 2-225 MHz on four bands (three fundamental, one harmonic). Stable, all-silicon-transistor circuit.

Features fully regulated power supply; dual regulated and calibrated, independently adjustable 0 to -20 V AGC bias supplies. Automatic level control with AC/DC coupled feedback; 5-band saturable reactor. 4-step decade attenuator with continuously variable level control. 4" metal dials are marked in two alternating colors; smooth 6:1 vernier drive with anti-backlash for precise frequency selection. Has RF retrace blanking and horizontal phase adjustment for use with oscilloscopes; front panel horizontal and vertical scope outputs.

4.5 MHz crystal may be internally mixed with variable marker; front panel on-off switch for crystal function. Open chassis layout, neat point-to-point wiring. Steel case, 10 1/2 x 14 3/4 x 7 3/4". With 4.5 MHz crystal, all parts, instructions. For 110-130 V, 50-60 Hz AC.  
22 C 3994 X. Shpg. wt., 13 lbs. \$6 Monthly..... 120.00  
22 C 3356 X. 5-MHz Crystal. Fits HC-6/U Holder. Wt., 3 oz..... 4.95  
22 C 3357 X. 10.7-MHz Crystal. Fits HC-6/U Holder. Wt., 3 oz..... 4.95

## SPECIFICATIONS

**Sweep Oscillator.** Frequency Range: 3-220 MHz. Output Levels: 3 to 50 MHz, 0.3 Vrms min.; 50-120 MHz, 0.1 Vrms min.; 120-220 MHz, 0.05 Vrms min. Amplitude Regulation: (for sweep widths not to exceed 20%) 3-50 MHz,  $\pm 5$  dB; 50-220 MHz,  $\pm 1$  dB. Output Impedance: 75 ohms.  
**Output Attenuator:** 4-step decade, continuously variable level control.  
**Sweep Width:** variable from 0-18 MHz on Band B; 0-8 MHz at TV IF frequencies. Sweep Frequency: 60 Hz. Marker Oscillator: Variable Frequency Ranges: Band A, 2-6.7 MHz; Band B, 6.6-21 MHz; Band C, 21-75 MHz; Band D (harmonic) 65-225 MHz. Fixed Frequencies: 4.5-MHz crystal included, 500-kHz to 20-MHz crystals in HC-6/U holders may be used. Cables Supplied: RF Output; Demod. Signal; Oscilloscope Leads; Bias Supply Leads.

4" Metal Dials with 6:1 Vernier Drive and Anti-Backlash for Precise Frequency Selection



Both Variable and Crystal-Controlled Markers May Be Mixed Internally—On-Off Switch for Crystal



Separate, Fully Regulated Dual AGC Bias Supplies Calibrated 0 to -20 V for Units Under Test



Use Allied's Credit Fund Plan to Buy Your Knight-Kit Equipment

ALLIED 481



**knight-kit**  
**KITS**  
 TEST INSTRUMENTS

**Ideal for Audio,  
 Ultrasonic, AM Testing**

**SINE WAVE**  
 20 Hz to 2 MHz in 5 Ranges  
**SQUARE WAVE**  
 20 Hz to 200 kHz in 4 Ranges

**KG-688 Kit**

**\$75<sup>00</sup>**

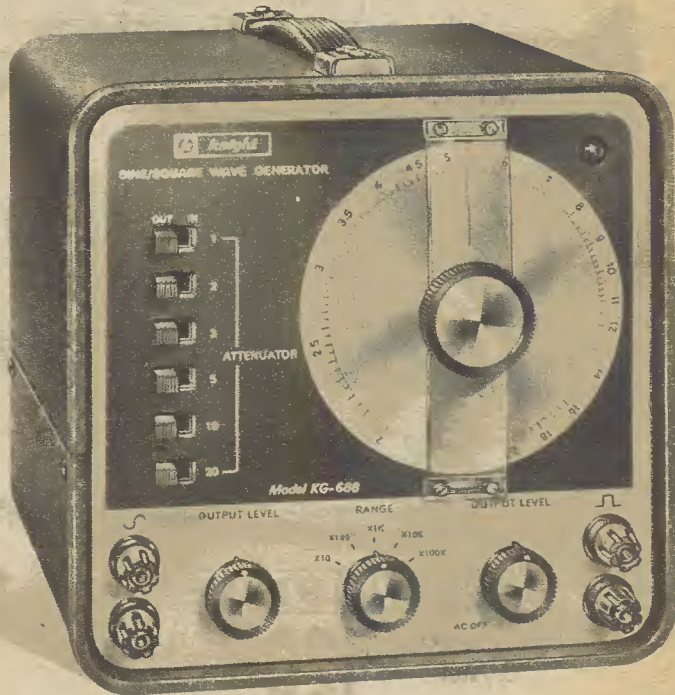
**\$5 monthly**

**CHECK THESE  
 DELUXE FEATURES**

- ✓ All-Silicon Semiconductors for Super-Stability
- ✓ Clearly Calibrated, Heavy-Gauge Aluminum Dial
- ✓ 6:1 Planetary-Ball, Anti-Backlash Vernier Drive
- ✓ Heavy Molded Hairline Cursor for Exact Selection
- ✓ Sine Wave Frequency Range Covers Entire AM Band
- ✓ Sine Wave Output Adjustable from 0 to 7.5 Volts rms
- ✓ Square Wave Rise Time Less Than 0.1  $\mu$ sec at 20 kHz
- ✓ Square Wave Output Adjustable from 0 to 10 Volts p-p

**SOLID STATE**

**KG-688 Sine/Square Wave  
 Generator Kit**



Ideal signal source for audio amplifier circuits, transducers, sonar and supersonic apparatus, all types of electronic equipment. Sine wave frequency range covers 20 Hz to 2 MHz (includes entire AM radio band). Square wave frequency range covers 20 Hz to 200 kHz. Uses *all-silicon* transistors for excellent stability and reliability.

Precision Sulzer oscillator circuit boasts Field-Effect-Transistor for outstanding accuracy. Complementary-symmetry output for low impedance and distortion. Multiple feedback circuit employs barretter element for constant amplitude output. Sine wave output voltage is adjustable from 0-7.5 Vrms into loads of 10K ohms or higher. Square wave output voltage is adjustable from 0-10 volts p-p into high-impedance loads. Constant-impedance, calibrated step attenuators provide up to 41 dB attenuation in discrete 1 dB steps. Easy-to-read 4" dial; smooth 6:1 vernier drive with anti-backlash.

Ground post available at rear of chassis. Positive-lock, 5-way binding posts accept standard GR plugs. Careful chassis layout, neat point-to-point wiring. Metal case, 7 $\frac{3}{4}$ "x7 $\frac{3}{8}$ "x10 $\frac{1}{2}$ ". Two-wire line cord is detachable for easy storage and service. With solder, step-by-step instructions. For 110-130 V, 50-60 Hz AC.

22 C 3995 X. Shpg. wt., 10 lbs. \$5 Monthly..... 75.00  
 22 C 3369 X. Optional 3-Wire Line Cord. Wt., 1 lb..... 1.98

**SPECIFICATIONS**

**Sine Wave Section. Frequency Coverage:** 20 Hz to 2.0 MHz in 5 ranges. X10; 20 Hz to 200 Hz; X100, 200 Hz to 2 kHz; X1K, 2 kHz to 20 kHz; X10K, 20 kHz to 200 kHz; X100K, 200 kHz to 2 MHz. **Output Voltage:** adjustable 0-7.5 Vrms into 10K ohms or higher, 0-6.5 Vrms into 600 ohms. **Source Impedance:** 600 ohms nominal using attenuators. **Distortion:** less than 0.25% across entire audio range. **Frequency Accuracy:**  $\pm$ 3% over entire range, except  $\pm$ 5% below 100 kHz and above 1 MHz. **Square Wave Section. Frequency Coverage:** 20 Hz to 200 kHz in 4 ranges. X10, 20 Hz to 200 Hz; X100, 200 Hz to 2 kHz; X1K, 2 kHz to 20 kHz; X10K, 20 kHz to 200 kHz. **Output Voltage:** adjustable 0-10 volts p-p into high-impedance loads. **Source Impedance:** 200 ohms nominal. **Rise Time:** less than 0.1  $\mu$ sec at 20 kHz.

# Regulated Power Supply Kits for Every Test Need

## KG-664 0-400 VDC Supply Kit

- Less Than 1.0% Output Variation
- Front Panel Current, Voltage Meters
- Under 5-mV Ripple, Jitter, and Noise

Versatile B+/filament/bias supply kit provides multiple voltages for circuit development, check and repair. Delivers 0 to 400 V regulated DC power at up to 200 mA; 0 to -100 V bias power at 1 mA; 6.3 VAC at 6 A or 12.6 VAC at 3 A for filament supply. Two Simpson D'Arsonval meters monitor voltage and current simultaneously. Switchable voltmeter reads 0 to 400 VAC or 0 to -100 VDC. Ten isolated five-way binding posts on front panel for maximum versatility; rear chassis binding post. Output has less than 5 mV rms ripple, jitter and noise. Heavy-duty Operate/Standby switch; detachable 2-wire line cord. Heavy-duty transformer; convection cooling.  $7\frac{3}{4} \times 14\frac{1}{4} \times 9\frac{3}{4}$ ". 110-130 V, 50-60 Hz. AC. 22 C 3905 X. Shpg. wt., 20 lbs. .... 89.95

## KG-663 0-40 VDC Supply Kit

- Variable Automatic Current Limiting
- Remote Programming and Sensing
- Regulated for Line, Load Variations

Low-voltage regulated DC power supply kit for lab, shop and service use. Offers 0-40 V DC power at 0-1.5 A. Regulated for line and load variations; variable automatic current limiting control for complete short-circuit protection. Has: silicon transistor circuit; concentric coarse and fine voltage adjust controls. Two Simpson D'Arsonval meters monitor voltage and current simultaneously. Heavy-duty Operate/Standby switch. Output is available at both front and rear panels. Provision for remote programming and sensing. Output has less than 0.6 mV rms ripple. Positive-lock 5-way binding posts accept standard GR plugs. With 2-wire line cord.  $7\frac{3}{4} \times 7\frac{1}{2} \times 10\frac{3}{4}$ ". 110-130 V, 50-60 Hz AC. 22 C 3904 X. Shpg. wt., 16 lbs. .... 84.95

## KG-661 0-25 VDC Supply Kit

- Complete Short-Circuit Protection
- Stable, Silicon Transistor Circuit
- Automatic Current Limiting Circuit

Serves as well-filtered, low-power DC source for engineers, technicians and servicemen. Ideal as battery substitute in transistor radio servicing. Offers 0-25 VDC at 0-0.5 A. Automatic current limiting at 0.7 A (short-circuited) provides complete burn-out protection. Both line and load variations are fully regulated. Low ripple output—less than 7 mV rms at full rated load. Has stable silicon transistor circuit; front panel voltmeter. Two five-way binding posts on front panel; chassis binding post on rear panel for convenient positive or negative grounding. Generous transistor heat sinking. Detachable 2-wire line cord.  $5\frac{1}{2} \times 4\frac{1}{4} \times 7\frac{1}{2}$ ". 110-130V, 50-60Hz AC. 22 C 3902 X. Shpg. wt.,  $6\frac{1}{2}$  lbs. .... 29.95 22 C 3369 X. Optional 3-Wire Line Cord. For all units above. Wt., 1 lb. .... 1.98

0 to 400 VDC  
0 to -100 VDC  
6.3 and 12.6 VAC

KG-664 Kit

**\$89.95**

\$5 monthly

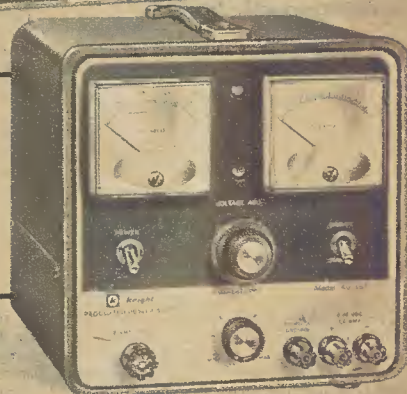


0 to 40 VDC  
0 to 1.5 A

KG-663 Kit

**\$84.95**

\$5 monthly



**SOLID STATE**

0 to 25 VDC  
0 to 0.5 A

KG-661 Kit

**\$29.95**

\$5 monthly



**SOLID STATE**



# knight-kit KITS TEST EQUIPMENT

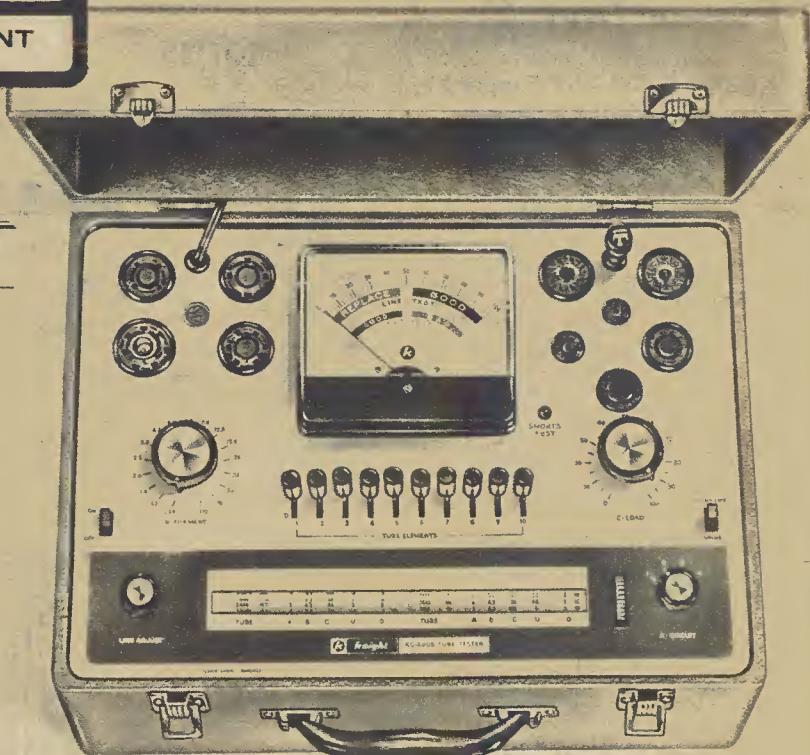
## KG-600B Tube Tester it

CHECKS OVER 2300 TUBE TYPES



- Advanced Features at Lowest Cost
- Lightweight, Portable and Very Accurate
- Professionally Styled and Easy-to-Use
- Famous Knight-Kit Assembly Ease

**\$46<sup>50</sup>** \$5 monthly

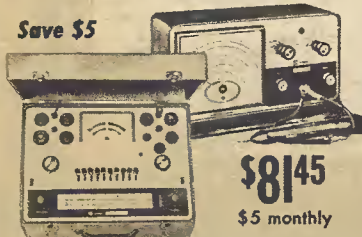


This professionally styled tube tester is ideal for today's complex radio-TV and hi-fi servicing. Accurately checks over 2300 tube types including: nuvistors, novars, compactrons; 4, 5, 6 and 7-pin large tubes; 7, 9, and 10-pin miniature tubes; octals, loctals, and pilot lamps. Extra-large, easy-to-read meter indicates tube condition on GOOD-REPLACE emission scale. Separate GOOD-BAD gas test scale; 0-100 numerical scale. Neon indicator shows filament continuity and leakage or shorts between tube elements. Filament switch selects 16 different voltages from 0.63 to 117 volts. Easy-action, universal-type selector switches for fast, easy setups. Illuminated roll chart with smooth thumbwheel drive. Line adjust control corrects for variations in line voltage. Gray, fibrikoid-covered portable case, with latching cover and carrying handle. 6½x14½x10½". With all parts, solder, detailed instructions. 110-130 V, 50-60 Hz AC. 22 C 3920 X. Shpg. wt., 13 lbs. \$5 Monthly. . . . . 46.50

### SPECIFICATIONS

*Tester Type:* cathode conductance (emission). *Tube Condition Indicator:* 3-color 4½" meter with GOOD-REPLACE, GOOD-BAD, and 0-100 numerical scales. *Individual Element Tests:* shorts, opens and continuity indicated by neon lamps; emission and gas by GOOD-REPLACE and GOOD-BAD scales. *Filament Voltages:* 0.63, 1.4, 2.0, 2.5, 3.0, 4.2, 5.0, 6.3, 7.5, 12.6, 19.6, 25, 32, 50, 70, and 117 volts. *Line/Load Voltage Adjustments:* power rheostat located in primary of power transformer compensates for line voltage variations.

Save \$5



**\$8|45**  
\$5 monthly

### Basic Test/Service Group

Separately, \$86.45. For accurate checks of radio-TV, hi-fi equipment. Consists of Knight-Kits: KG-600B Tube Tester Kit; KG-625 6" VTVM Kit. Voltmeter reads AC volts (p-p and rms), DC volts, resistance. Has easy-to-use controls, single AC-ohms/DC probe. With all parts, assembly instructions. Shpg. wt., 22 lbs. 22 C 1172 L2X. \$5 Monthly. . . . . 81.45

### Accessories and Books

TV Picture Tube Harness. For use with Knight-Kit Series 600 tube testers. Checks black-and-white TV picture tubes with up to 90° deflection. Assembled. 22 C 3141 X. Shpg. wt., 8 oz. . . . . 4.50

110° Adapters. Set of two for harness above. Checks black-and-white TV tubes up to 110° deflection. Assembled. 22 C 3271 X. Shpg. wt., 3 oz. . . . . 4.50

RCA Tube Manual RC-26. Latest updated edition. Technical data on all current receiving tubes plus detailed information on color and black-and-white TV tubes. 608 pages. 5⅜x8⅜". 23 C 7676E. Shpg. wt., 1½ lbs. . . . . 1.50

Howard W. Sams Tube Substitution Handbook. Latest edition. Lists over 11,000 direct tube substitutions, including European types. 128 pages. 5½x8½". 23 C 7277E. Shpg. wt., 5 oz. . . . . 1.75

### NOTE: 600 SERIES OWNERS

New tube data subscription plan now available. For information, write to:

COLETRONICS TUBE DATA SERVICE  
1744 Rockaway Ave.  
Hewlett, L.I., New York 11557

# G-635 5-inch Oscilloscope it

DC TO 5.2 MHz RESPONSE FOR COLOR TV



"... instrument is well-engineered and a very worthwhile addition to the test bench..."  
ELECTRONICS WORLD

"... as close as you can get to a 'professional' or 'lab' scope without actually getting one of those..."  
RADIO-ELECTRONICS

- Dynamic Sync Limiter
  - DC Coupled Amplifiers
  - Auto Astigmatism Correction
  - 17 mV rms/Inch Vert. Sensitivity
- \$119.95** \$6 monthly

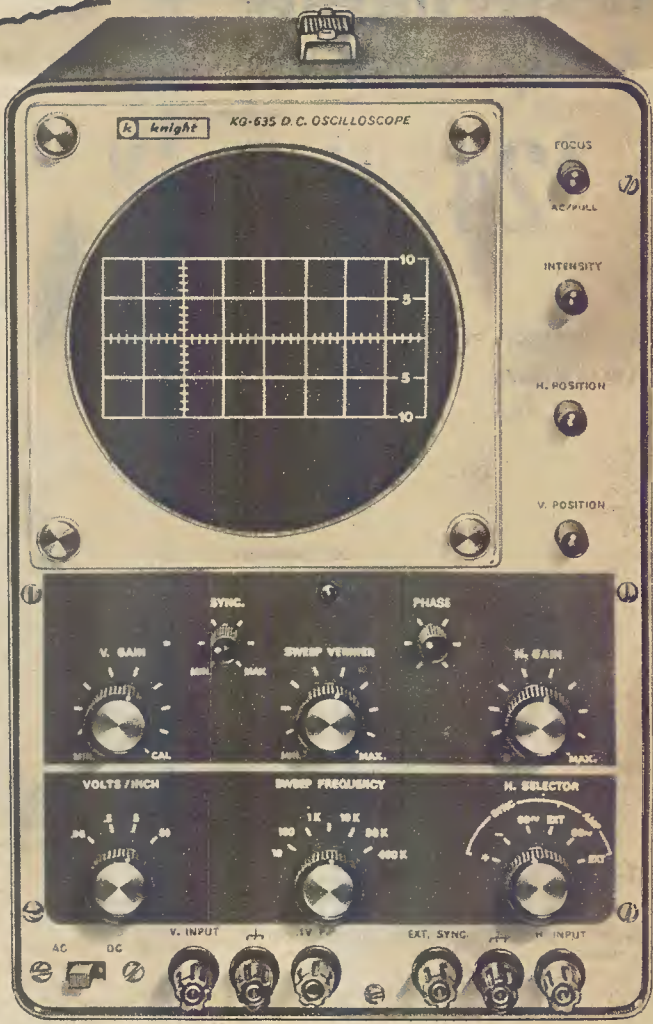
Five-inch DC-coupled scope meets practically every wideband test and service requirement—great for color TV. Features excellent linearity and lock in characteristics; dynamic sync limiter; automatic astigmatism correction. 1650-volt accelerating potential for bright, sharp traces under all operating conditions.

Has 5 linear time base ranges: 10-100 Hz, 100-1000 Hz, 1-10 kHz, 10-90 kHz, 90-400 kHz. Series/shunt peaking and DC coupling provide optimum wideband response. Vertical attenuator is marked directly in volts/inch. Has regulated power supply; retrace blanking; tapped primary transformer for operation from high or low AC line; front panel voltage calibrator output. Calibrates without other equipment.

Scale has X and Y linear grids, 5-way binding posts with standard 3/4" spacing. 11 7/8 x 7 7/8 x 15 7/8". Instructions. Order assembled probes below. 110-130 V, 50-60 Hz AC, Japan.  
22 C 3979 Z. Wt., 29 lbs. Express..... 119.95  
22 C 3152 X. Direct Test Leads, 1 lb. .... 1.95  
22 C 3150 X. 12-pF Low-Cap. Probe, 8 oz. .... 5.95  
22 C 3151 X. 250-MHz Demod. Probe, 8 oz. .... 5.95

### SPECIFICATIONS

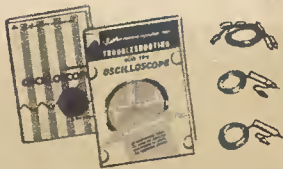
**VERTICAL.** Sensitivity: 17 mV rms/inch (7 mV rms/cm) min. calibrated at 0.5 V p-p/inch. Response:  $\pm 1.5$  dB, DC to 5.2 MHz. Color Bandpass:  $\pm 0.5$  dB. Overshoot: less than 6%. Rise Time: 70 nsec. Input Impedance: 3 meg shunted by 35 pF. **HORIZONTAL.** Sensitivity: 0.6 V rms/inch. Response:  $\pm 1.5$  dB, 1 Hz to 400 kHz. Inputs: internal time base, 60 Hz phase controlled and external. Input Impedance: 7 megs shunted by 25 pF. Synchronization: internal + and -, 60 Hz and external. External Sync Sens.: 150 mV rms @ 1 kHz. **GENERAL.** Calibration Voltage: 60 Hz sinusoidal, 100 mV p-p,  $\pm 5\%$ . Z-Axis Input: 10 volts negative for beam cutoff. Impedance: 1 meg. Tubes: 9, plus 5" flat-face CRT, 2 rectifiers.



## KG-635 Oscilloscope Kit with Most-Wanted Accessories

Separately, \$140.25. For speedy, profitable service jobs. Consists of: Knight-Kit KG-635 Oscilloscope Kit; Direct Test Leads with Clip, Insulator, Double Plug; 12-pF Low-Capacity Probe; 250-MHz Demodulator Probe; Two Howard W. Sams Books: "Know Your Oscilloscope" and "Troubleshooting with the Oscilloscope". Leads and probes are fully assembled. Books are clearly written in non-technical language; give helpful hints on service, adjustments, troubleshooting, calibration, etc. Shpg wt., 30 lbs. Express.  
22 C 0079 LZ. \$7 Monthly..... 134.95

Save  
**\$5.30**  
**\$134.95**  
\$7 monthly



Buy Your Knight-Kit Test Equipment Now—Use Allied's Credit Fund Plan

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***Knigh-kit***  
**KITS**  
 TEST INSTRUMENTS

**G-2 00 Triggered  
 Sweep Scope Kit**

**\$245<sup>00</sup>**

\$13 monthly

**OUR FINEST SCOPE KIT . . FOR  
 LABORATORY OR SERVICE SHOP**

**SPECIFICATIONS**

**Vertical Bandwidth on DC:** DC to 5 MHz, 3 dB down. Less than 2% overshoot on a 500-kHz square wave. Reference to 1 kHz, with vertical display height of 6 cm, and sensitivity from .05 volt/cm to 20 volts/cm.

**Vertical Bandwidth on AC:** With AC preamp in .005, .01 and .02 volt/cm ranges, 5 Hz to 1.5 MHz, 3 dB down. Reference to 1 kHz and vertical display height of 6 cm. On ranges from 0.5 volt/cm to 20 volts/cm, AC response is 5 Hz to 5 MHz, 3 dB down.

**Rise Time:** 85 nanoseconds or less to display height of 6 cm.

**Vertical Sensitivity:** DC Coupled, .05 volt, p-p/cm; AC coupled, .005 volt p-p/cm.

**Input Impedance:** 1 meg shunted by 40 pF.

**Calibration Voltage:** 0.1 volt p-p, regulated  $\pm 5\%$ . Output available at front panel.

**Horizontal Bandwidth:** DC—800 kHz,  $\pm 3$  dB.

**Horizontal Sensitivity:** Approximately 0.04 volt/cm. Variable attenuator on front panel.

**Input Impedance:** 1 megohm.

**Sweep Range:** 0.05 sec/cm to 200 nsec/cm in 16 ranges by use of basic sweep ranges (10 milliseconds, 1 millisecond, 100 microseconds, 10 microseconds, 1 microsecond) and multiplier switch plus X5 expansion, 10:1 multiplier vernier control extends slowest sweep to 0.1 sec/cm. Provision for external capacitor for very slow sweeps. Sweep timing accuracy capability is within 3%.

**Triggering Sensitivity:** 200 mV external, 1/2 cm deflection internal.

**Triggering Inputs:** line, external AC and DC, internal AC and DC. Level is adjustable for triggering or may be pre-set.

**Active Elements:** 21 tubes, premium voltage regulator, flat-face CRT, and 7 diodes.

**Power Requirements:** 110-130 V, 60 Hz AC.

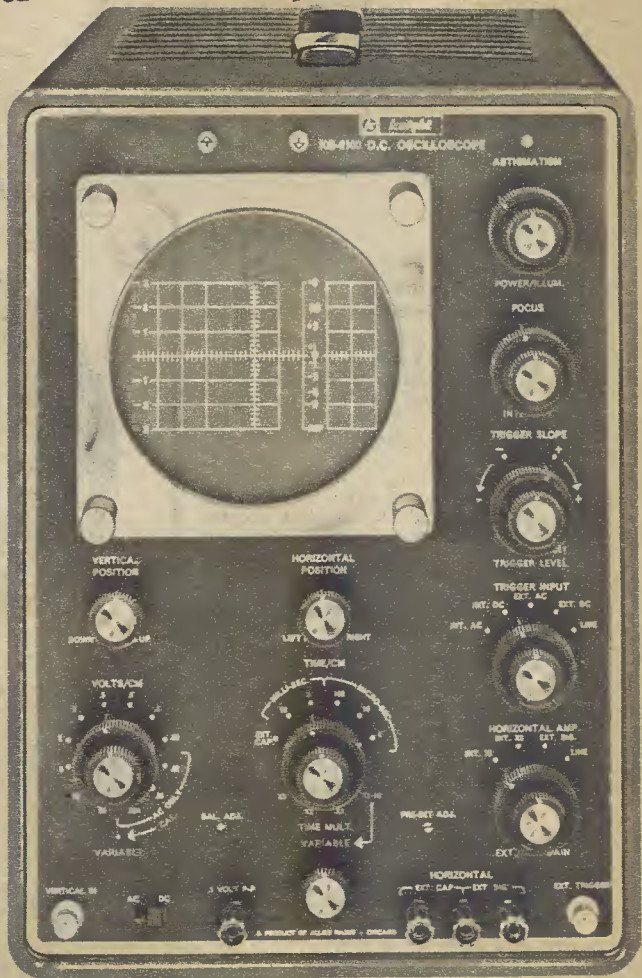
**Power Consumption:** 200 watts.

"There was no jitter and hum, just clean sweeps . . . The KG-2100 is well worth the price, time and effort . . ."

RADIO-ELECTRONICS

"... a truly professional instrument . . . it may be well worth it just to have that extra 'horse-power' . . ."

AUDIO



**KG-2100 DC to 5 MHz 5-inch Oscilloscope Kit**

Knight-Kit's finest oscilloscope kit, designed to meet the needs of laboratory and industry. Features high vertical sensitivity for properly servicing transistorized equipment; fast rise time; built-in Rotron cooling fan; regulated high and low-voltage power supplies for outstanding circuit stability and reliability.

Triggered, continuous time base control. Signals as small as 1/2 cm on CRT face will permit triggering. Special pre-set lock-in mode eliminates need for readjustments with inputs of varying amplitudes or frequencies. Pre-set may be disabled and continuous slope control locks in any portion of signal. Both trigger and amplifier circuits are DC coupled. Vertical off-scale indicators provide maximum convenience in viewing traces. 6x10 cm graticule scale is calibrated from -6 to +9 dB; has X and Y linear grids. Sweep speed adjustable from 200 nsec/cm to 0.1 sec/cm. Sweep timing accuracy capability is within 3%.

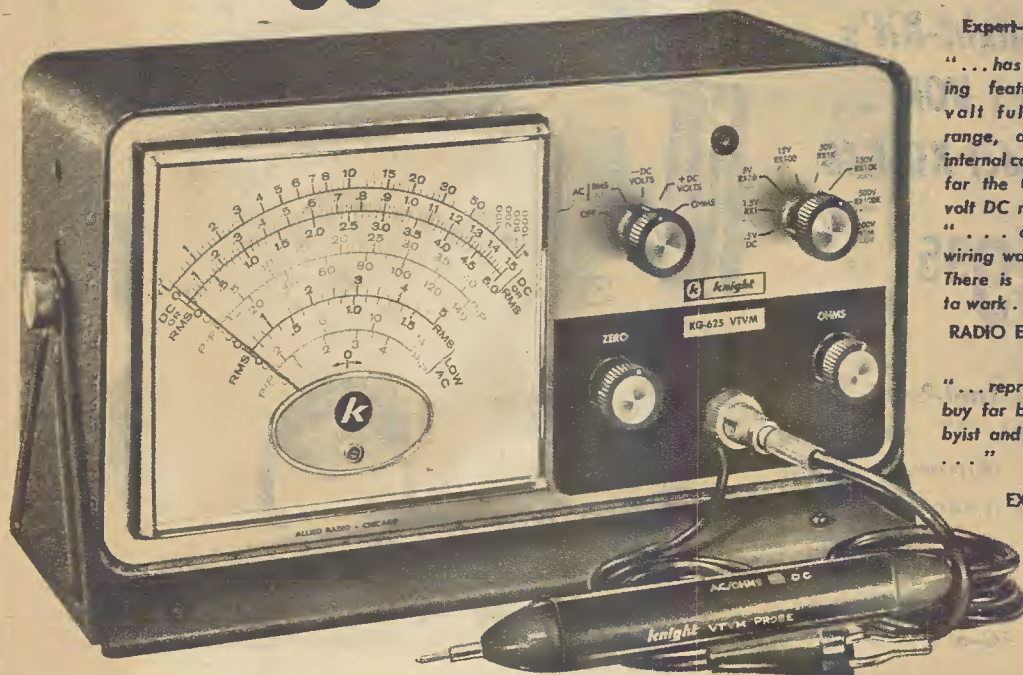
Color-coded controls. Low-loss BNC connectors. Flat-face 5" CRT. Camera mounting studs for standard camera mounts. Black metal case, 14 1/4 x 10 1/4 x 18 1/2". With solder, detailed instructions. 110-130 V, 50-60 Hz AC. Order low-capacity probe below. Express.

22 C 3970 Z. Shpg. wt., 45 lbs. \$13 Monthly. . . . . **245.00**  
 22 C 3949 X. Assembled Low-Capacity Probe. Shpg. wt., 1 lb. . . . . **22.00**



# Model KG-625 Deluxe 6-inch Vacuum Tube Voltmeter Kit

With Probe **\$39<sup>95</sup>** \$5 monthly



**Expert-Claimed!**

"... has two outstanding features: a 0.5 volt full scale DC range, and separate internal calibration pots for the 0.5 and 1.5 volt DC ranges..."  
 "... assembly and wiring was fairly easy. There is lots of room to work..."

**RADIO ELECTRONICS**

"... represents a good buy for both the hobbyist and service shop..."

**RADIO-TV EXPERIMENTER**

## Knight-Kit's Finest VTVM Kit—Model KG-625

Feature-packed VTVM offers 1/2-volt full-scale DC range for accurately servicing transistorized equipment. Also has single, switchable AC-ohms/DC test probe for quick, easy multiple measurements; neat buildable layout with inverted chassis for simplified assembly; push-pull balanced bridge circuit for accuracy, meter protection.

Pre-aged bridge tube with matched triode sections assures accurate calibration adjustments. Big 6" meter, 200- $\mu$ A movement. 10 color-correlated scales; fluorescent knife-edge pointer. DC polarity reversing switch; zero-center scale for discriminator alignment. Pilot light; low leakage switches; power transformer for line isolation.

Precision 1% resistors are used as multipliers. Calibration controls accessible at back of panel. 7 3/4" x 12 1/2". With gimbal mounting bracket, test probe, ohmmeter battery, all parts, instructions. For 110-130 V, 60 Hz AC. Order accessory probes, book below. Japan.

22 C 3975 X. Shpg. wt., 9 lbs. \$5 Monthly. . . . . **39.95**  
 22 C 3130 X. Wired High-Voltage Probe. To 25,000 V. Wt., 1 lb. . . . . 6.95  
 22 C 3131 X. Wired High-Frequency Probe. To 250 MHz. Wt., 1 lb. . . . . 5.95  
 23 C 7012 E. "101 Ways to Use Your VOM and VTVM." 144 pages. 3 oz. 2.95

### SPECIFICATIONS

**DC SECTION.** Ranges: 0-0.5-1.5-5-15-50-150-500-1500 volts full scale. With optional HV probe to 25,000 V. Accuracy:  $\pm 3\%$  of full scale. Input Resistance: 11 meg (1 meg in probe) to 1500 V. **AC SECTION.** Ranges (rms): 0-1.5-5-15-50-150-500-1500 volts full scale. Separately calibrated scales for 1.5 and 5 volts. (p-p): 0-4.2-14-42-140-420-1400-4200 volts full scale. Separately calibrated scales for 4.2 and 14 volts. Accuracy:  $\pm 5\%$  of full scale. Response:  $\pm 1$  dB, 30 Hz to 3 MHz;  $\pm 3$  dB, 30 Hz to 5 MHz. With high-frequency probe to 250 MHz. **OHMMETER.** Ranges: 0-1000-10K-100K ohms; 0-1-10-100-1000 meg. Battery: 1 1/2-V, size "C." **TUBE COMPLEMENT.** Meter Bridge: 12AU7A. Full-Wave Rectifier: 6AL5. Power Supply: transformer, silicon diode rectifier.

## Knight-Kit Basic Test and Service Group

KG-625 VTVM Kit,  
 KG-635 Scope Kit



Save ~~\$10.00~~ **\$149.90** \$8 monthly

Separately, \$159.90. Excellent test and service group for radio, TV and hi-fi, even color TV. Includes Knight-Kit's: KG-625 6" VTVM Kit; KG-635 5" DC to 5.2 MHz Oscilloscope Kit. Scope has  $\pm 0.5$  dB color bandpass; auto astigmatism correction; dynamic sync limiter; 5 linear time base ranges. VTVM includes single, switchable AC-ohms/DC probe. Shpg. wt., 38 lbs. Express. 22 C 0400 L2Z. \$8 Monthly. . 149.90

Use Allied's Credit Plan to Buy Your Knight-Kit Equipment

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# knight-kit

# KITS

TEST INSTRUMENTS

**Knight-Kit's  
Best VOM . .  
Model KG-640**

**\$39<sup>95</sup>** \$5  
monthly

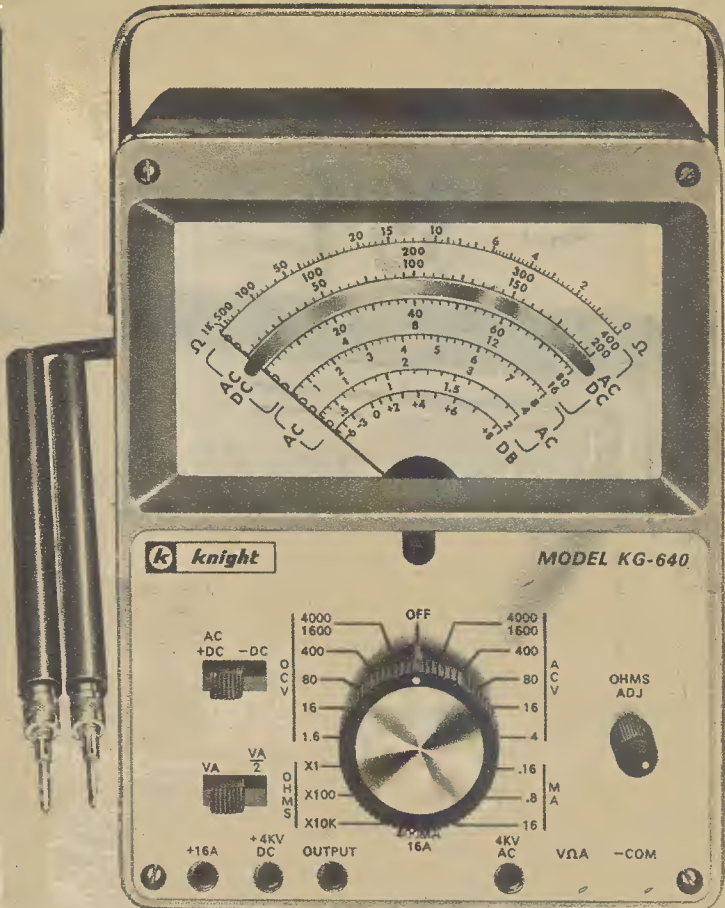
**Protected Taut-Band Meter  
Movement, 57 Measuring  
Ranges, Mirrored Scale,  
With Test Leads, Batteries**

**Deluxe Educational Outfit  
with KG-640 VOM Kit**



**Save \$6.29** \$64<sup>95</sup> \$5  
monthly

Separately, \$71.24. Our finest educational electronics kit outfit. Includes: Knight-Kit KG-640 VOM Kit; 5-Volume Howard W. Sams Basic Electricity/Electronics Programmed Text; Electricity/Electronics Lab Workbook; Complete Kit-Building Tool Outfit. Programmed text offers thorough grounding in principles of electronics—covers AC, DC circuits, tubes, transistors, much more. Workbook contains interesting projects keyed directly to the 5-volume set. 5-piece tool outfit includes 2 screwdrivers, soldering iron, 2 pliers—everything to make your kit-building fast and easy. Shpg. wt., 12 lbs.  
22 C 0532 12X. \$5 Monthly... 64.95



### KG-640 20,000 Ohms/Volt VOM Kit

- 0.8 VDC Range for Accurate Transistor Servicing
- Response to Beyond 200 kHz for Precise AC Readings
- Sensitive Diode-Protected Taut-Band Meter Movement

Deluxe VOM kit offers the exacting performance and dependability required by technicians, servicemen and serious experimenters. Invaluable aid for checking and servicing radios, TV, hi-fi components, all types of electrical devices. Accurately measures AC, DC and output volts, current, resistance and decibels.

Fifty-seven measuring ranges are covered by a single range/function switch and range doubler. Easy-to-read mirrored scale. Sensitive 50  $\mu$ A taut-band meter movements diode-protected on all ranges. AC frequency response extends to beyond 200 kHz for precise AC measurements. 1% precision carbon film resistors are used as multipliers for utmost accuracy. Has DC polarity reversing switch; ohms adjust.

DC accuracy,  $\approx$ 3% of full scale reading; AC accuracy,  $\approx$  5%.  $6\frac{3}{4} \times 5\frac{1}{4} \times 3\frac{3}{4}$ ". Uses one "C" flashlight battery, 4 penlight batteries. With batteries, test leads, step-by-step instructions. Order informative servicing books below. Japan. Shpg. wt., 5 lbs.

- 22 C 3954 X. \$5 Monthly..... 39.95
- 23 C 7012 E. "101 Ways to Use Your VOM and VTVM." 3 oz..... 3.50
- 23 C B906 E. "Troubleshooting with the VOM and VTVM." 8 oz..... 2.95
- 23 C 7067 E. "Best Ways to Use Your VOM-VTVM." 3 oz..... 50¢

#### SPECIFICATIONS

**RANGES.** AC Volts: 0-2-4-8-16-40-80-200-400-800-1600-2000-4000. DC Volts: 0-.8-1.6-8-16-40-80-200-400-800-1600-2000-4000. Output Volts: 0-2-4-8-16-40-80-200-400. Resistance: 0-1000-100K ohms, 0-10 megs. DC Current: 0-80-160-400-800  $\mu$ A, 8-16-200-400 mA, 8-16 A. Decibels: -12 to +74 in 12 ranges. DC Sensitivity: 20,000 ohms/volt or 10,000 ohms/volt (function of scale multiplier switch). AC Response: 200 kHz to beyond 200 kHz. Accuracy:  $\approx$ 3% DC,  $\approx$ 5% AC, to 1600 V.

# KG-645 1000 Ohms/Volt VOM Kit with Leads and Battery

- Meter Protection for Voltage, Current, and dB Ranges
- Precision 1% Multiplier Resistors

**\$19<sup>95</sup>** \$5  
monthly

This accurate VOM is an outstanding value for hobbyists and technicians. Boasts 38 measuring ranges; 1000 ohms/volt AC and DC sensitivity; meter movement protection on all voltage, current and dB ranges. Provides accurate measurements of AC and DC volts, output voltage, AC/DC current, plus resistance and decibels. Precision 1% multiplier resistors assure highest accuracy. Has ohms/zero adjust; range switch; function switch. Easy-to-read  $4\frac{1}{2}''$  two-color meter has 8 scales, precise knife-edge pointer. Assembles in a matter of hours. Rugged case,  $6\frac{3}{4}'' \times 5\frac{1}{2}'' \times 2\frac{3}{4}''$ . With battery, test leads, carrying strap, step-by-step instruction manual with informative "How to Use" section. Japan. 3 lbs. 22 C 3983 X. \$5 Monthly.....19.95

## SPECIFICATIONS

**RANGES.** AC, DC and Output Volts: 0-1.5-10-50-100-500-5000. Resistance: 0-1000-10,000 Ohms, 0-1 meg. Center scales at 60, 150 and 1500 ohms. AC and DC Current: 0-1-10-100 mA, 0-1 A. Decibels: -20 to +69 in 6 ranges. Meter Movement Sensitivity: 400  $\mu$ A for full scale deflection. Accuracy:  $\pm 2\%$  of full scale reading on all ranges.

## Educational Outfit with KG-645 VOM Kit

Save **\$25<sup>50</sup>** \$5  
\$4.09 monthly

Separately, \$29.59. Excellent hobbyist kit outfit. Includes: Knight-Kit KG-645 VOM Kit; Howard W. Sams Book "Electronics for the Beginner"; Complete Kit-Building Tool Outfit. Book has interesting experiments and projects. 22 C 0539 12X. 5 lbs..... 25.50



# Popular KG-620 $4\frac{1}{2}''$ VTVM Kit With 3 Test Leads and Battery

**\$29<sup>95</sup>**  
\$5 monthly

- Direct Electronic Readings of AC (p-p and rms) Volts
- 11-Megohm Input Resistance for Low Circuit Loading
- Highly Accurate Push-Pull Balanced Bridge Circuit

Outstanding value for service shop, test bench or hobby corner. Provides electronic measurements of p-p and rms AC voltage; plus DC voltage, resistance and decibels. Has 11-megohm input resistance; sensitive 200- $\mu$ A meter movement; easy-to-read two color  $4\frac{1}{2}''$  scale; zero center scale; zero-adjust control; DC polarity reversing switch; pilot light; power transformer for line isolation. 1% precision multiplier resistors. Direct-reading decibel scale; 1.5-volt full-scale DC range. Steel case,  $7\frac{5}{8}'' \times 5\frac{5}{8}'' \times 4\frac{1}{4}''$ . With all parts, 3 test leads,  $1\frac{1}{2}$ -V battery, detailed instructions. Accessory probes below. 110-130 VAC. Japan. Shpg. wt., 7 lbs. 22 C 3911 W. \$5 Monthly..... 29.95

22 C 3130 X. Assembled High-Voltage Probe. To 25,000 V. Wt., 1 lb. 6.95  
22 C 3131 X. Assembled High-Frequency Probe. To 250 MHz. Wt., 1 lb. 5.95

## SPECIFICATIONS

**RANGES.** DC Volts: 0-1.5-5-15-50-150-500-1500; with optional HV probe to 25 kV. Accuracy:  $\pm 3\%$ . AC Volts (rms): 0-1.5-5-15-50-100-1500. (p-p): 0-4.2-14.4-21.4-42-140-420-1400-4200. Resistance: 0-1000-10,000-100,000 ohms, 0-1-10-100-1000 meg. Decibels: -10 to +65 in 7 ranges. AC Response:  $\pm 1$  dB, 30 Hz to 3 MHz;  $\pm 3$  dB, 30 Hz to 5 MHz; to 250 MHz with optional High-Frequency probe. Accuracy,  $\pm 5\%$ .

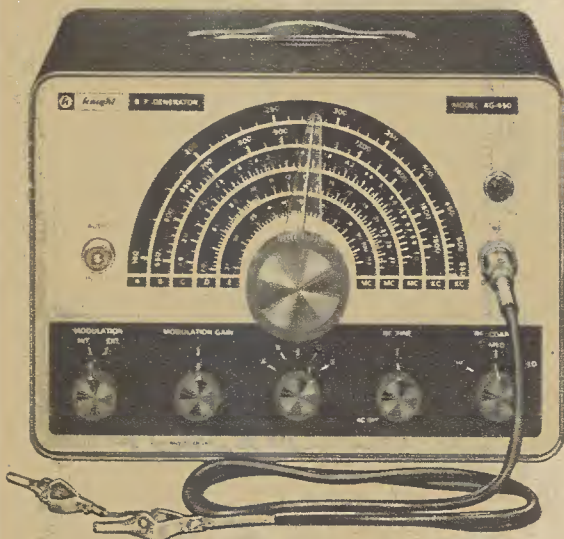




**knight-kit**  
**KITS**  
TEST INSTRUMENTS

**KG-650 RF Signal Generator Kit . . Ideal for Service Bench, Hobby Corner, Shop**

With Test Leads **\$29<sup>95</sup>** \$5 monthly



- Fundamental Coverage from 160 kHz to 112 MHz
- Usable Calibrated Second Harmonics to 224 MHz
- Colpitts Oscillator Circuit for Stable Operation
- Modulated and Unmodulated RF, plus 400-Hz Outputs
- Precision-Wound Coils Require No Calibration

Exceptionally stable RF signal generator kit, ideal for alignment of AM and FM radios as well as TV receivers. Has a wide fundamental output range (160 kHz to 112 MHz) divided into five separate bands for quick, precise selection of desired frequency. Calibrated second harmonics are usable to 224 MHz for greatly extended alignment range. Large, easy-to-read dial with clearly marked calibrations and smooth, precise vernier drive for outstanding tuning accuracy and frequency resettable.

Has both step and continuous-type attenuators for exact adjustment of output voltage. Output is available modulated, unmodulated, or as 400-Hz sine wave. 400-Hz output is adjustable to more than 10-volt level for making audio checks of amplifiers, small speakers, other audio devices. Also has provision for modulation from external sources. RF output is in excess of 400,000 microvolts.

Colpitts oscillator circuit and cathode-follower outputs provide maximum isolation and circuit stability. Precision wound coils require no calibration. Transformer-operated power supply isolates AC line for operating safety. Black metal case, 7 $\frac{1}{4}$ x10 $\frac{1}{8}$ x5 $\frac{1}{4}$ ", charcoal Gray and silver front panel. With all parts, test leads, solder, step-by-step assembly instructions and fully detailed operator's manual. For 110-130 V, 60 Hz AC. 22 C 3953 X. Shpg. wt., 8 $\frac{1}{2}$  lbs. \$5 Monthly..... 29.95

**SPECIFICATIONS**

*Frequency Ranges—Calibrated Fundamentals:* Band A, 160-550 kHz; Band B, 550-1850 kHz; Band C, 1850 kHz to 7 MHz; Band D, 7-27 MHz; and Band E, 27-112 MHz. *Calibrated Second Harmonics:* usable to 224 MHz. *Radio Frequency Output:* in excess of 400,000 microvolts. *Modulation Frequency:* 400 Hz. *Audio Output:* adjustable to more than 10 volts at 400 Hz. *Attenuator:* 3-position switched, plus continuously variable attenuator control. *Tube Complement:* 6C4, 12AT7; plus selenium rectifier.



Converts 12 VDC into 110-130 VAC

**\$44<sup>95</sup>**  
\$5 monthly

**SOLID STATE**

**KG-666 Power Inverter/Charger Kit**

- Operate AC Appliances from 12 VDC Power Sources
- Delivers 6-Amp Tapering Charge to 12-V Batteries

Operate AC appliances from your 12 VDC car, boat, trailer or camper. Converts 12 VDC to 110-130 VAC; has special DC output for universal motor loads; delivers self-regulating Hi-Lo 6-amp tapering charge to 12-V batteries. Has silicon diode starting network; capacitive and diode despiking network; 2-position output load optimizing switch; pilot light, fuse. Square wave output, 55-65 Hz. Rated 200 watts continuous. 4 germanium power transistors. Aluminum case, 4 $\frac{3}{4}$ x8x3 $\frac{1}{4}$ ". All parts, instructions. 22 C 3906 X. Shpg. wt., 9 lbs. \$5 Monthly..... 44.95



**13-Range Pocket VOM Kit**

Leads, Battery **\$8<sup>88</sup>**

- Reads Voltage, Current and Resistance
- Only Slightly Larger Than a Pack of Cigarettes

Pocket VOM kit, great for servicemen, hohhyists or experimenters. Two-color scale, 2 $\frac{1}{2}$ " meter. 13 total ranges: 0-5-15-50-150-500 VDC; 0-1-10-100 mA; 0-15-50-150-500 VAC; 0-30K ohms (1200 ohms center scale).  $\pm$ 5% tolerance multipliers and shunts are used for high accuracy. 1000 ohms-per-volt DC sensitivity. Black bakelite case with pre-installed jacks to simplify assembly, 1-mA full scale meter movement. Easy to assemble. 4x2 $\frac{1}{8}$ x2 $\frac{1}{8}$ ". With all parts, solder, detailed assembly instructions, test leads, 1 $\frac{1}{2}$ -V Type 7 battery. 22 C 3708 X. Japan. Shpg. wt., 1 lb..... 8.88



# knight-kit KG-646 VOM Kit . . Big Value in a 20K Ohms-per-Volt Tester

Banana-Plug Test Leads  
and 1.5-Volt Battery

**\$11.95** ±2% Accuracy

New low-cost VOM kit is an invaluable aid for radio and TV servicemen, technicians, hobbyists and experimenters. It's the ideal instrument for signal tracing, alignment, voltage, current and resistance measurements in radios, TV receivers, CB and Amateur equipment, hi-fi's, all types of electronic devices. Convenient pocket size makes it especially useful for in-the-field measurements and house repair calls. Large, easy-to-read two color scale with red knife-edge pointer for accurate readings. 20,000 ohms per volt DC sensitivity (10,000 ohms per volt AC) for greatly reduced circuit loading.

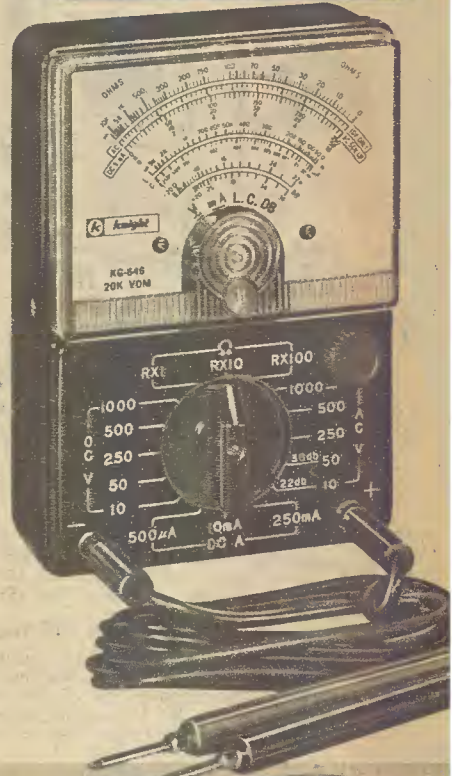
Precision circuit design assures excellent operating stability. Sensitive 40- $\mu$ A meter movement has diode and ceramic capacitor protection circuit to prevent burnouts, bent pointers, damaged pivots, etc. Single, recessed range/function switch for increased convenience of operation. Front-panel ohms zero adjust assures accuracy and repeatability of readings. Has scales for AC and DC volts, DC current, resistance and decibels, plus L(self-inductance) and C(static-capacity).

Top-quality shunts and multipliers are used for high accuracy of  $\pm 2\%$  DC full scale, and  $\pm 2\%$  AC full scale. Rugged metal case takes plenty of tough use. Meter has sturdy transparent plastic cover for good protection from dust and dirt. Top-quality components are used throughout. Operates on single 1.5-volt penlight battery. Detailed step-by-step assembly instructions feature oversize wiring diagrams and easy-to-follow illustrations for simplified assembly. 5x3 $\frac{1}{2}$ x1 $\frac{3}{4}$ ". With all parts, test leads, battery, instructions. Japan.  
22 C 3907 X. Shpg. wt., 1 lb. . . . . 11.95

### SPECIFICATIONS

**RANGES.** DC Volts: 0-2.5-10-50-250-1000. AC Volts: 0-10-50-250-500-1000. DC Milliampers: 0-.05-25-250. Resistance: 0-10K-100K ohms, 0-1 meg. (Center scale reading of 95 ohms). Decibels: two scales, -20 to +20 dB; +20 to +36 dB. L(Self-Inductance): 0-5kH. C(Static Capacity): 0.02  $\mu$ F to 250 pF. Accuracy:  $\pm 2\%$  DC full scale;  $\pm 2\%$  AC full scale. Meter Sensitivity: 40  $\mu$ A for full scale deflection ( $\pm 1\%$ ). DC Sensitivity: 20,000 ohms per volt. AC Sensitivity: 10,000 ohms per volt. Internal Resistance: 2,200 ohms ( $\pm 5\%$ ). Meter Protection Circuit: Diode, capacitor. Battery: 1.5 volt penlight cell. Size: 5x3 $\frac{1}{2}$ x1 $\frac{3}{4}$ ".

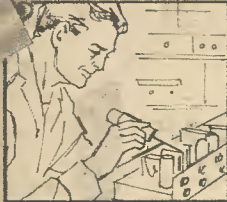
SELECTED VALUES  
**KITS**  
TEST INSTRUMENTS



### Solid-State Signal Injector Kit

**\$5.88**

Traces RF, IF  
Audio Circuits

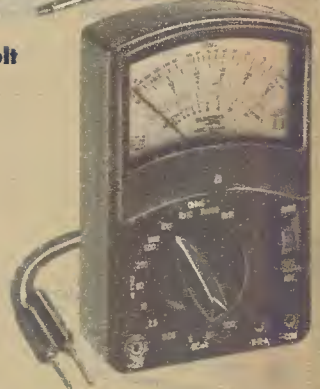


Portable and self-contained signal injector kit for anyone who works on radios, audio amplifiers, TV receivers, other electronic devices. Produces a signal rich in harmonics for tracing audio, RF and IF circuits when troubleshooting. Pushbutton operation, insulated test probe. Battery condition light. Comfortably shaped, cylinder-type handle houses circuit—permits long use without tiring. Complete with 4 penlight batteries, all parts, housing, and detailed assembly instructions. From Japan.  
22 C 9510. Shpg. wt., 8 oz. . . . . 5.88

### Sensitive 20,000 Ohms/Volt VOM Kit

**\$14.95**

Reads Volts, Amps,  
Ohms, dB . . Diode-  
Protected Meter  
Movement . . Easy-to-  
Read Two-Color Scale



Educational and practical VOM kit. For servicing radios, TV receivers, hi-fi sets, all types of electronic equipment. Has 20,000 ohms/volt DC sensitivity; 10,000 ohms/volt AC. Ranges: DC volts, 0-2.5-10-50-250-500-5000. AC volts, 0-10-50-250-500-1000. DC current, 0-50  $\mu$ A; 0-5-50-500 mA. Ohms: 0-12K-120K, 1.2-12 meg. dB: -20 to +62. 50- $\mu$ A meter movement, diode protected. Single function switch for easy operation. Rugged case, 5 $\frac{1}{2}$ x2x3 $\frac{1}{2}$ ". With test leads, batteries, instructions and theory.  
22 C 9509. Shpg. wt., 2 lbs. Japan. . . . . 14.95

Buy Knight-Kit Test Equipment with Your Allied Credit Fund

ALLIED 491

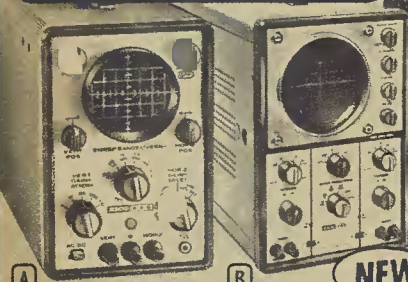


**EICO**

**KITS**

TEST EQUIPMENT

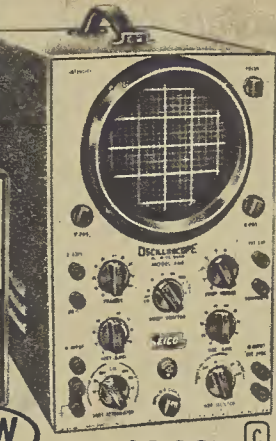
**Complete Line of Popular . .**



**A** \$119.95 Kit  
**B** \$179.95 Kit

**A 3" Wideband Scope**

435-K. Portable. Push-pull 3-stage amplifier; zener diode calibration; 4-position attenuator. Reads DC or p-p AC from 50 mV to 500 V. Response, DC to 4.5 MHz, usable to 10 MHz. Vert. sensitivity, 18 mV rms/cm. Sweep: 10 Hz to 100 kHz; 30 Hz vert. and 7875 Hz horiz. 8 1/2 x 5 3/4 x 12 5/8". 105-125 V, 50-60 Hz AC. 21 C 4282 U. Wt., 18 lbs. . . . . \$119.95  
 21 C 4335 U. 435. Assembled. . . . . 169.95



**C** \$99.95 Kit

**B 5" Wideband Scope**

465-K. Has vertical and horizontal sensitivity of .05 V p-p/cm; AC-DC coupled amplifiers; Zener diode calibration; flat-face 5" CRT. Response, DC to 8 MHz, usable to 10 MHz. Push-pull amplifier. Sweep: 10 Hz to 100 kHz, 30 Hz vert., 7875 Hz horiz. Edge-lit dial, retrace blanking. 12 3/4 x 8 1/2 x 17 1/2". 117 VAC. 21 C 4535 U. Wt., 27 lbs. . . . . 179.95  
 21 C 4536 U. 465. Assembled. . . . . 249.95

**C DC to 4.5 MHz 5" Wideband Scope**

460-K. Has flat response of DC to 4.5 MHz, usable to 10 MHz. Easily reproduces 3.58 MHz color TV sync burst. Vertical sensitivity, 10 mV/cm. Input impedance, 3 megs shunted by 35 pF. 4-position attenuator. Full-screen vertical positioning, 2X horizontal positioning. Sweep range; 10 Hz to 100 kHz plus low-frequency range. Edge-lit scale for easy reading. Metal case, 13 x 8 1/2 x 16". For 105-125 V, 50-60 Hz AC. Shpg. wt., 25 lbs. 21 C 4158 U. \$5 Monthly. . . . . 99.95  
 21 C 4157 U. 460. Assembled, Ready-to-Use. \$8 Monthly. . . . . 149.95

**Shielded Probes for Oscilloscopes**

For use with 435-K, 465-K, and 460-K. Av. shpg. wt., 5 oz.

Description	Kit Form			Factory Assembled		
	Stock No.	Type	EACH	Stock No.	Type	EACH
Demodulator Probe	21 C 4151	PSD-K	4.50	21 C 4152	PSD	6.95
Direct Probe	21 C 4153	PD-K	3.50	21 C 4154	PD	4.95
Low-Capacity Probe	21 C 4155	PLC-K	4.50	21 C 4156	PLC	6.95



Post-Injection Marker  
**\$99.95** Kit  
 \$5 monthly

**Sweep Marker Generator**

369-K. For TV and FM use. Features post-injection marker—signals are unaffected by receiver circuit. 5 sweep ranges, 3.5 to 220 MHz. 3 marker ranges, 2 to 75 MHz on fundamentals; 60-225 MHz on harmonics. With 4.5 MHz crystal for marker check. 360° scale, 6:1 vernier drive. Blanking, 3-stage AGC. 50 ohms. 8 1/2 x 12 1/2 x 7". 110-120 V, 50-60 Hz AC. 18 lbs. 21 C 4307 U. \$5 Monthly. . . . . 99.95  
 21 C 4308 U. 369. Assembled. . . . . 149.95



**\$79.95** Kit  
 \$5 monthly

**Color Bar/Pattern Generator**

385-K. Portable, solid-state generator produces 5 well-defined, crystal-controlled patterns: dots, crosshatch, horizontal and vertical lines, 10 color bars. Feeds directly to antenna terminals. Color coded gun killers can eliminate one or more colors from display. Battery powered, requires 6 "C" cells (not supplied). Low current drain. Metal case, 2 1/2 x 8 1/2 x 8 3/8". Wt., 7 lbs. 21 C 4537 U. \$5 Monthly. . . . . 79.95  
 21 C 4538 U. 385. Assembled. . . . . 109.95



**\$59.95** Kit  
 \$5 monthly

**Deluxe Audio Generator**

378-K. Low-distortion sine wave, 1 Hz to 110 kHz. Detent switches select 1 Hz, 10 Hz, 100 Hz, 1 kHz, and 10 kHz steps. 8-step attenuator. Adjustable 0-10 V rms output. 4 1/2" meter. Accuracy ±5%. 8 1/2 x 12 1/2 x 9". 117 VAC. Shpg. wt., 16 lbs. 21 C 4336 X. \$5 Monthly. . . . . 59.95  
 21 C 4337 X. 378. Assembled. . . . . 79.95



**\$32.95** Kit  
 \$5 monthly

**RF Signal Generator**

324-K. Has 150 kHz to 145 MHz fundamental output (to 435 MHz on harmonics). 6 ranges. Etched dial, ±1.5% accuracy. Internal 400-Hz modulation variable 0-50%, also external sources. RF attenuators, 6:1 vernier. 8 x 10 x 4 3/4". 117 VAC. Shpg. wt., 10 lbs. 21 C 4141. \$5 Monthly. . . . . 32.95  
 21 C 4140. 324. Assembled. . . . . 44.95



**\$39.95** Kit  
 \$5 monthly

**Sine/Square Wave Generator**

377-K. Sine wave, 4 bands, 20 Hz to 200 kHz. Wien Bridge oscillator circuit. Square wave, 4 bands, 60 Hz to 50 kHz. Output, ±10 V, 10K ohms. Hum, under 0.4% of rated output. Accuracy, ±3% or 1 Hz. 7 1/2 x 11 1/2 x 7 5/8". 117 VAC. Shpg. wt., 14 lbs. 21 C 4135 X. \$5 Monthly. . . . . 39.95  
 21 C 4134 X. 377. Assembled. . . . . 54.95



# Test Equipment at Low Prices



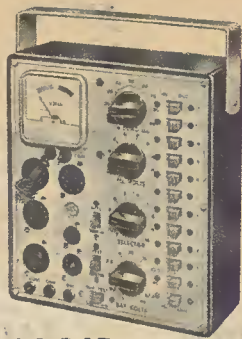
Checks Latest Color TV CRT's

**NEW**

**\$69<sup>95</sup>** Kit \$5 monthly

## CRT Tester/Rejuvenator

633-K. Tests and rejuvenates most picture tubes, including latest color or TV types. Special 1000-VDC output for rejuvenate-welding and short-clearing procedures. 0-150 volt negative DC output for variable G<sub>1</sub> grid cutoff; variable filament over 12 ranges from 0-5, 5-10, and 10-15 volts. Tests for shorts, open elements, beam current, gas and tube life. Pushbutton operation; easy-to-read 4 1/2" meter. Transformer-operated power supply. 14 3/4 x 13 1/2 x 5 3/4". 117 VAC.  
 21 C 4539. Wt., 12 lbs. .... 69.95  
 21 C 4540 U. 633. Assembled.. 99.95

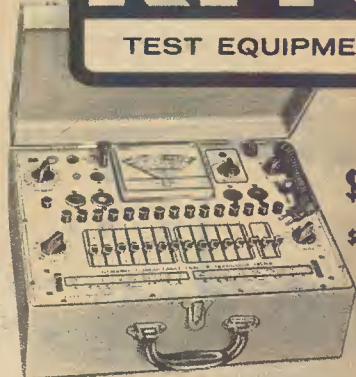


**\$29<sup>95</sup>** Kit \$5 monthly

## Tube and Battery Tester

636-K. Tests over 800 radio and TV tubes for cathode emission, shorts, opens, intermittents. Has Go/No-Go continuity test. Sockets for octals, localts, 7- and 9-pin miniatures, novars, nuvistors, compactrons. Tests, under load, commonly used batteries from 1.5 to 90 volts (11 ranges). 3-color meter; neon lamp short indicator. Transformer operated power supply. Bakelite case, 8 5/8 x 7 1/2 x 3 3/8", metal handle. With complete tube data manual.  
 117 V, 60 Hz AC.  
 21 C 4544. Wt., 4 lbs. .... 29.95  
 21 C 4238. 636. Assem. .... 44.95

# EICO KITS TEST EQUIPMENT

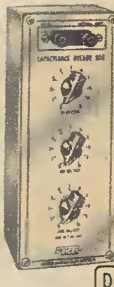


**\$89<sup>95</sup>** Kit \$5 monthly

## Tube and Transistor Tester

667-K. Joins mutual conductance (G<sub>m</sub>) and plate conductance (G<sub>p</sub>) tests into a single dynamic test, plus peak emission test to give a single reading of tube quality. Spots bad transistors by gain and leakage tests. Checks nuvistors, novars, compactrons, miniatures, subminiatures, octals, localts. Tests special purpose tubes, VR's, cold cathode regulators, and electron-ray indicators. Has multi-circuit lever switch, 12 tube-element pushbutton switches. Easy-to-read 4 1/2" D'Arsonval meter has 200 μV sensitivity. Roll-chart for fast, easy test setups. 4 1/2 x 15 x 12", latching cover. For 115 VAC.  
 21 C 4143 X. Shpg. wt., 23 lbs. .... 89.95  
 21 C 4142 U. 667. Assembled. .... 139.95  
 21 C 4144. CRU CRT Adopter. For use with Eico 667, 628 tube testers. 1 lb. .... 9.95

## Component Testing Kits



**A** 680-K Transistor/Circuit Checker Kit. Measures I<sub>CEO</sub>, I<sub>CBO</sub>, DC Beta, simulated AC Beta. 0-5-50 VDC; 0-2000-200K ohms, 0-20 megs; 0-50-500 μA; 0-5-50-500 mA DC. 3 5/8 x 6 3/4". Leads, batteries.  
 21 C 4149. Wt., 3 lbs. .... 34.95  
 21 C 4148. 680-W. Assembled. 49.95

**B** 1140-K R-C Box Kit. 1350 in-circuit substitutions. Res., 15 ohms to 10 meg. Cap., 0.0001 to 0.2 μF. ±10%. 5 5/16 x 6 7/8 x 2 3/16".  
 21 C 4111. Wt., 3 lbs. .... 15.95  
 21 C 4110. 1140-W. Assembled 24.95

**C** 955-K Copacitor Tester Kit. Wien bridge permits in-circuit test (0.1-50 μF) with shunt as low as 35 ohms. ±10%. Short test, to 2000 μF; open test down to 15 pF. 8 1/2 x 5 3/4 x 6". With leads. 117 VAC.  
 21 C 4103 X. Wt., 6 lbs. .... 24.95  
 21 C 4102 X. 955-W. Assem. .... 39.95

**D** 1180-K Copacitor Decade Box Kit. 100 pF to .111 μF; 100, 1000, 10,000 pF steps. 350 V. ±1% mica capacitors. 9 x 3 1/2 x 3 1/2". Less leads.  
 21 C 4105. Wt., 3 lbs. .... 19.95  
 21 C 4104. 1180-W. Assembled 29.95

## R-C Bridge/R-C-L Comparator

950-K. Reads 0.5 ohm to 500 megohms and 10 pF to 5000 μF (4 ranges). Has .05-20 comparator range. Variable 0-500 volt DC source tests capacitors for shorts, leakage. Measure power factor of electrolytics. Less leads. 8 x 10 x 4 3/4". For 105-125 V, 60 Hz AC.  
 21 C 4101. Wt., 10 lbs. \$5 Monthly. .... 29.95  
 21 C 4100 X. 950-W. Assembled. .... 39.95



**\$44<sup>95</sup>** Kit

\$5 monthly **Deluxe Tube Tester**

**NEW**

635-K. Versatile tube tester checks all standard tubes for dynamic cathode emission, shorts, grid leakage and gas. Tests Novars, nuvistors, compactrons, 10-pin types, battery types, auto radio hybrids, foreign and industrial tube types. Even handles new decals, magnovals, 7-pin nuvistors and all popular picture tubes. Has burnout-protected 3 1/2" D'Arsonval meter; phosphor bronze sockets, pin straighteners for all types. Scuff-proof luggage type case, 8 1/2 x 11 3/4 x 3 1/4". Tube chart. 110-130 V, 50-60 Hz AC.  
 21 C 4541. Wt., 5 lbs. \$5 Monthly. .... 44.95  
 21 C 4542. 635-W. Assembled. .... 69.95

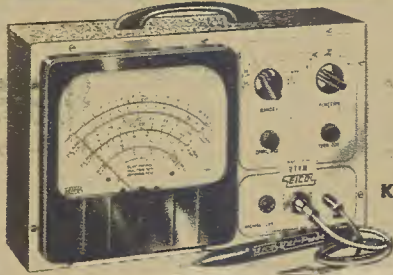
Use Allied's Credit Fund Plan to Buy All Your Test Equipment



# EICO

# KITS

## TEST EQUIPMENT



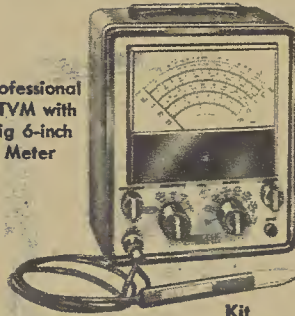
### 249-K Peak-to-Peak VTVM

Peak-to-peak VTVM features  $7\frac{1}{2}''$  meter in "no-burnout" circuit. Balanced bridge with 1% multiplier resistors, zero center scales, exclusive "Uni-Probe." Ranges: peak-to-peak volts, 0-4-14-42-140-420-1400-4200; DC/rms volts, 0-1.5-5-15-50-150-500-1500; Resistance, 0.2 ohm to 1000 megohms in 7 ranges. Response, 30 Hz to 3 MHz.  $8\frac{1}{2} \times 13 \times 5''$ . Instructions. Less solder, 105-125 V, 50-60 Hz AC. Shpg. wt., 9 lbs. \$5 Monthly.

21 C 4233. 249-K Kit. . . . . 39.95  
21 C 4234. 249-W. Assembled. . . 59.95

# Fun-to-Build . . . Easy-to-Use

Professional VTVM with Big 6-inch Meter



Kit **\$39.95**  
\$5 monthly

### 235-K Professional VTVM

VTVM measures to 0.01 volt on  $\frac{1}{2}$ -volt DC transistor range. 2-color 6" meter; 200  $\mu$ A. Impedance over 11 megohms. Response, 30 Hz to 3 MHz. Balanced-bridge; 1% multipliers. Accuracy  $\pm 3\%$ . Ranges: DC volts, 0-0.5-1.5-5-15-50-150-500-1500; p-p AC V, 0-4-14-42-140-1400-4200; rms AC V, 0-1.5-5-15-50-150-500-1500; 7 resist. 0.2 ohm to 1000 megohms.  $8\frac{1}{2} \times 7\frac{1}{2} \times 5''$ . Less sldr. Uni-Probe. 117 VAC.

21 C 4338. 235-K Kit. 9 lbs. . . . . 49.95  
Model 235-W. Factory Assembled.  
21 C 4356. \$5 Monthly. . . . . 69.95

"No-Burnout" VTVM with "Uni-Probe" for AC, DC, Ohms

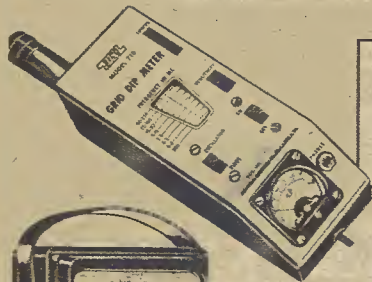


Kit **\$34.95**  
\$5 monthly

### 232-K Peak-to-Peak VTVM

Versatile VTVM has  $4\frac{1}{2}''$  meter protected by "no-burnout" circuit. "Uni-Probe" lets you measure AC, DC, and ohms with one probe. Balanced-bridge; 1% multipliers. Ranges: peak-to-peak volts, 0-4-14-42-140-420-1400-4200; DC/rms volts, 0-1.5-5-15-50-150-500-1500; resistance, 0.2 ohm to 1000 megohms in 7 ranges. Response, 30 Hz to 3 MHz. Less solder.  $8\frac{1}{2} \times 5 \times 5''$ . For 117 V, 60 Hz AC. \$5 Monthly.

21 C 4235. 232-K Kit. 5 lbs. . . . . 34.95  
Model 232-W. Factory Assembled.  
21 C 4236. \$5 Monthly. . . . . 49.95



Kit **\$34.95**  
\$5 monthly

### 710-K Grid-Dip Meter for Ham Radio or Service

Operates as oscillating detector or wavemeter. 400 kHz to 250 MHz in 8 ranges. Finds frequencies of oscillators, pretunes and neutralizes transmitter, etc. Sensitivity control; 500- $\mu$ A meter; 1:7 drive ratio; phone jack; plug-in coils. Less solder.  $2\frac{1}{4} \times 2\frac{1}{2} \times 6\frac{1}{8}''$ . For 117 VAC. Shpg. wt., 3 lbs.

21 C 4223. Model 710-K Kit. \$5 Monthly. . . . . 34.95  
21 C 4224. Model 710-W. Factory Assembled. . . . . 59.95



Kit **\$25.95**  
\$5 monthly  
20,000 Ohms/Volt

### 565-K 31-Range VOM

20,000 ohms/volt DC sensitivity;  $4\frac{1}{2}''$  meter with 50- $\mu$ A movement. Ranges: AC-DC, output V, 0-2.5-10-50-250-1000-5000 (AC at 1000 ohms/V); DC, 0-100  $\mu$ A, 0-10-100-500 mA, 0-10 amps; 2000-200,000 ohms, 0-20 megohms; -12 to +55 dB. With batt. Less leads, solder.  $6\frac{3}{4} \times 5\frac{1}{4} \times 3''$ . 4 lbs. \$5 Monthly.

21 C 4268. 565-K Kit. . . . . 25.95  
21 C 4269. 565-W. Assembled. . . 34.95  
555-K. Above kit, but 1% resistors.  
21 C 4270. \$5 Monthly. . . . . 29.95  
21 C 4271. 555-W. Assembled. . . 39.95



Kit **\$19.95**  
\$5 monthly  
1000 Ohms/Volt

### 566-K 38-Range VOM

Full  $4\frac{1}{2}''$  meter. Rectifier in dual half-wave circuit; divider resistors. AC/DC ranges: 0-1-5-10-50-100-500-5000 V at 1000 ohms/volt; 0-1-10 mA, 0-0.1 amp; 0-5000-100,000 ohms, 0-1 meg; -20 to +69 dB. With battery. Less leads, solder.  $6\frac{3}{4} \times 5\frac{1}{4} \times 3''$ . 3 lbs. \$5 Monthly.

21 C 4260. 566-K Kit. . . . . 19.95  
21 C 4261. 566-W. Assembled. . . 29.95  
556-K Kit. Above, but 1% resistors.  
21 C 4262. \$5 Monthly. . . . . 21.95  
21 C 4263. 556-W. Assembled. . . 29.95

### Accessory Probes



- A** PSI-K Signal Injector Probe Kit. Pocket-size cordless probe generates and injects signals covering audio, IF and RF.  
21 C 4549. Wt., 6 oz. . . . . 5.95  
21 C 4545. PSI-W. Assem. 6 oz. . 9.95
- B** Uniprobe. Select DC, AC ohms.  
21 C 4242. UP-K Kit.  $\frac{1}{2}$  lb. . 5.95  
21 C 4243. UP-W. Assembled. . 7.95
- P** PTP-11-K. (Not illus.) Peak-to-peak kit for 11-meg VTVMs.  
21 C 4245. Wt., 1 lb. . . . . 5.50
- C** PRF-25-K. RF kit measures to 250 MHz. For 25-meg VTVMs.  
21 C 4249. Wt., 1 lb. . . . . 4.50  
21 C 4248. PRF25W. Assembled. 5.95
- D** PRF-11-K. Above, for 11-meg.  
21 C 4251. Wt., 1 lb. . . . . 4.50  
21 C 4250. PRF11W. Assembled. 5.95



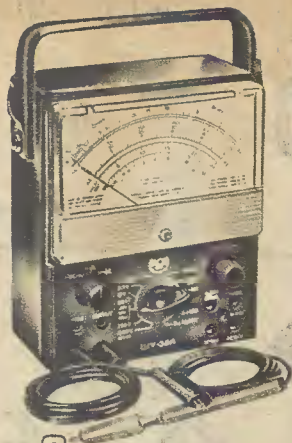
# Famous RCA Test Equipment



## A WV-38A(K) VOM Kit

Has large easy-to-read  $5\frac{1}{4}$ " meter; low VDC ranges for accurate transistor work; response to 50 kHz. Ranges: AC and DC volts, 0-2.5-10-50-250-1000-5000, plus 0.25-1 VDC. 3 ohms ranges to 20 megs. DC current; 0-50  $\mu$ A, 0-1-10-100-500 mA, 0-10 amps. Decibels, -20 to +50. Input sensitivity: DC, 20,000 ohms/volt; AC, 5000 ohms/volt. DC accuracy,  $\pm 3\%$  on all ranges. Rugged bakelite case,  $6\frac{1}{2} \times 5\frac{1}{4} \times 3\frac{1}{8}$ ". Carrying handle. With test leads. Shpg. wt., 5 lbs.

21 C 4218. \$5 Monthly.....38.00  
21 C 4219. Factory Assembled.....52.00



A

WV-38A(K)

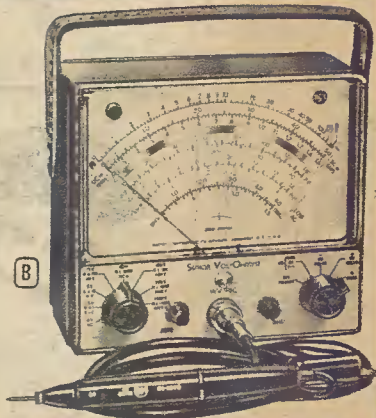
**\$38.00**

\$5 monthly

## B WV-98C(K) VoltOhmyst Kit

Features 1% precision resistors in all critical circuits; big  $6\frac{1}{2}$ " meter, mirrored scale;  $\pm 3\%$  accuracy. Ranges: AC, DC volts, 0-1.5-5-15-50-150-500-1500, plus 0-0.5 VDC range. 7 resistance ranges to 1000 megohms. DC input resistance, 11 megohms. Response, 30 Hz to 3 MHz on 1.5 and 5 volt ranges. Metal case,  $6\frac{1}{2} \times 7 \times 3\frac{1}{4}$ ", carrying handle. With combination DC/AC-Ohms test probe, detailed assembly instructions. 110-130 V, 50-60 Hz AC. Shpg. wt., 8 lbs.

21 C 4210. \$5 Monthly.....57.95  
21 C 4211. Factory Assembled.....88.50



B

WV-98C(K)

**\$57.95**

\$5 monthly

## WO-33A(K)

3-inch  
Scope  
Kit

**\$108.00**

\$6 monthly

For Color  
and B & W  
Television  
Servicing



Ideal for observing colorburst signals, other TV work. Dual-band vertical amplifier response: narrowband, 3 mV rms/inch, 20 Hz to 150 kHz, -3 dB; wideband, 100 mV rms/inch, 5.5 Hz to 5.5 MHz, -3 dB. Sweep oscillator, 15 Hz to 75 kHz. Synchronization: internal plus or minus, external. Line sweep, 160° adjustable phase. Metal case,  $8\frac{1}{2} \times 6\frac{1}{2} \times 10\frac{1}{4}$ ". Has 3" flat-face CRT. With combination test probe. 110-120 V, 60 Hz AC. Wt., 16 lbs.  
21 C 4190 U. \$6 Monthly.....108.00  
21 C 4276 U. Factory Assembled. 139.00

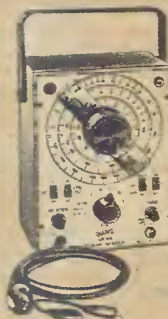
## WR-50B(K)

RF Signal  
Generator  
Kit

**\$45.00**

\$5 monthly

Accurate  
CW, AM and  
Sweep  
Signals



Excellent RF signal generator kit, ideal for educational uses, and for accurate maintenance and troubleshooting of AM-FM radios and TV's. Produces CW and AM signals from 85 kHz to 40 MHz plus 455 kHz and 10.7 MHz sweeps; 400-Hz AF oscillator for audio testing of speakers, amplifiers, etc. Permanent test cables. Case,  $7\frac{1}{2} \times 5\frac{1}{2} \times 4\frac{3}{4}$ ", carrying handle. For 105-130 V, 60 Hz AC. Shpg. wt., 7 lbs.  
21 C 4272. \$5 Monthly.....45.00  
21 C 4192. Factory Assem.....65.00

## WV-77E(K)

Volt-  
Ohmyst  
Kit

**\$38.00**

\$5 monthly

Reads AC Volts  
(p-p and rms),  
DC Volts, and  
Resistance

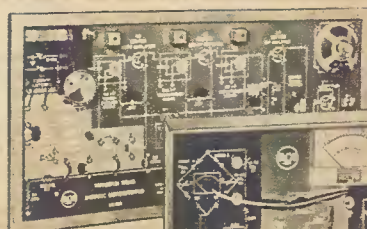


An economical VTVM kit for accurate troubleshooting. Has easy-to-read  $4\frac{1}{2}$ " meter; detailed instructions for fast assembly. Ranges: AC (rms) and DC volts; 0-1.5-5-15-50-150-500-1500. AC (p-p) volts; 0-4-14-40-140-400-1400-4000. Resistance: 0.2 ohm to 1000 megs in 7 ranges. Has 11-meg DC input resistance to minimize circuit loading. Metal case,  $7\frac{1}{2} \times 5\frac{1}{2} \times 4\frac{3}{4}$ ", carrying handle. For 105-125 V, 50-60 Hz AC. Shpg. wt., 10 lbs.  
21 C 4207. \$5 Monthly.....38.00  
21 C 4208. Factory Assembled.....52.00

## RCA Dynamic Classroom Demonstrator Kits

C WE-93A(K) Transistor Radio Demonstrator Kit. Ideal aid for electronics study. Big 24x12" board has schematic of AM superhet transistor radio; each component is placed in position showing clearly how it works. Instructions, RCA Transistor Manual. Requires 4 "D" batteries. \$5 Monthly.  
21 C 4216 L2X. Student Model. 24x12". 12 lbs.....39.00  
21 C 4453 L2X. Instructor's Model. 48x24". 22 lbs.....69.50

D WE-95A(K) VOM Demonstrator Kit. Consists of 24x12" layout panel and RCA production-type VOM kit. Components of VOM kit are positioned on panel in their proper place to show circuits. With 24-page manual, "Learning Basic Electronic Measuring Circuits." Requires 4 "D" batteries (Eveready 950 or equivalent). Shpg. wt., 10 lbs.  
21 C 4217 L2X. \$5 Monthly.....45.00



C

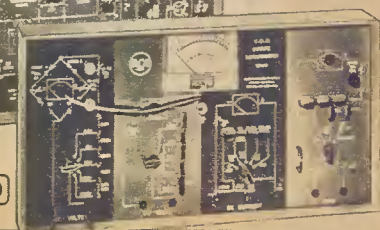
**\$39.00**

\$5 monthly

**\$45.00**

\$5 monthly

D



See Pages 286 and 287 for Complete Listing of Assembled RCA Test Equipment

ALLIED 495



# knight-kit KITS

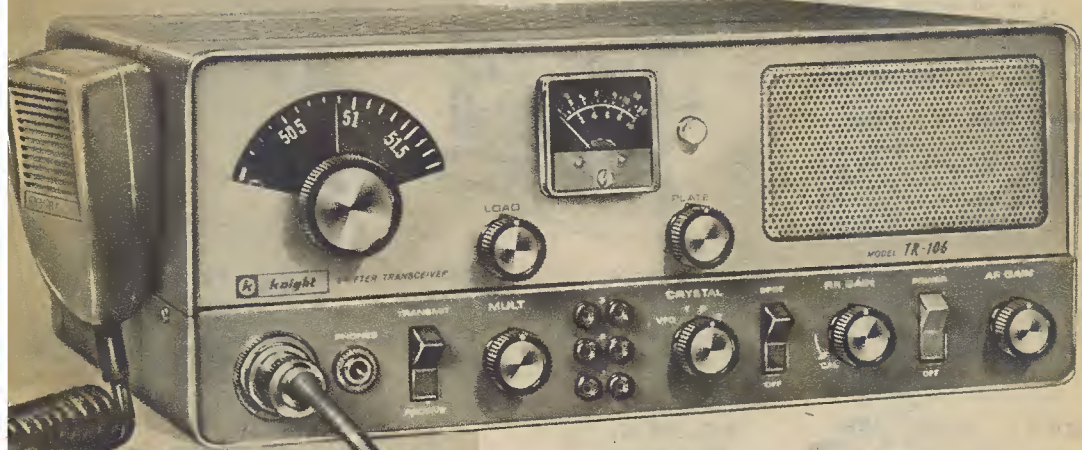
AMATEUR GEAR

## 6- and 2-Meter Ham Transceiver Kits with Solid-State Power Supplies

YOUR CHOICE

**\$119<sup>95</sup>**  
Each

\$6  
monthly



"... the signal sounded fine, was over S9, and had no drift... a few nights to build."  
73 Magazine (TR-106)

"... puts out an excellent signal... verified by your reviewer... reports have been flattering."  
Popular Electronics (TR-108)

- Built-in Solid-State 110-130 VAC/12 VDC Power Supply
- Factory-Assembled and Aligned RF and Mixer Stages
- Dual-Conversion Superhet Receiver has 0.5  $\mu$ V Sensitivity

**TR-106 6-Meter Transceiver Kit.** Performance-proven Knight-Kit 6-meter transceiver is ideal for shack or mobile. Nuvistor RF and crystal-controlled mixer stages are factory-assembled and aligned for construction ease. Dual-conversion receiver section boasts 0.5  $\mu$ V sensitivity. AVC action holds signal-level constant, prevents blasting; ANL cuts ignition and pulse-type interference.

Efficient three-stage transmitter has doubler, tripler and straight-through final amplifier. 15 watts input. Plate and screen modulation for low distortion and excellent linearity. Deluxe features include: separate AF and RF gain controls; frequency spot switch; automatically switched, illuminated "S"/RF meter; vernier-drive tuning; illuminated dial; transmit indicator light. Front-panel jack for low-impedance headphones or external speaker. Built-in front-mounted speaker. Three front-panel crystal jacks. Rear panel VFO input, VFO power output. Pi-network output matches 30-90 ohm antennas. Standard SO-239 coaxial antenna connector. Built-in solid-state power supply for 110-130 V, 60 Hz AC and 12 VDC negative ground. With noise-canceling push-to-talk mike, metal case, detailed instructions. 5 1/2 x 13 1/4 x 11". Order crystals or VFO below.

22 C 3460 X. Shpg. wt., 22 lbs. \$6 Monthly ..... 119.95

**TR-108 2-Meter Transceiver Kit.** As above, but covers 144-148 MHz. Has tube-type RF stage. Sensitivity, 1.0  $\mu$ V.

22 C 3462 X. Shpg. wt., 22 lbs. \$6 Monthly ..... 119.95

### TR-106 AND TR-108 SPECIFICATIONS

**Receiver.** Coverage: 6 meters, 50-52 MHz; 2 meters, 144-148 MHz. **Input Impedance:** 50 ohms. **Sensitivity:** 0.5  $\mu$ V for 6 meters; 1.0  $\mu$ V for 2 meters. **Selectivity:** 8-kHz bandwidth at 6 dB down. **Audio Output:** More than 5 watts @ 10% distortion. **TRANSMITTER.** **RF Power Input:** 15 watts nominal. **Output Impedance:** 30-90 ohms; pi-net coupling. **Modulation:** AM (hi-level plate and screen). **Frequency Control:** Fundamental (8 MHz) crystals or VFO.

### ACCESSORIES FOR TR-106 AND TR-108 TRANSCEIVER KITS

- 22 C 3140 X. Base for Desk-Top Use. Wt., 5 lbs. .... 5.95
- 17 C 9404 CS. 6-m Crystal. Specify 8340-8450 kHz. ( $\pm 5$  kHz). 3 oz. 2.95
- 17 C 9402 CS. 2-m Crystal. Specify 8000-8222 kHz. ( $\pm 5$  kHz). 3 oz. 2.95
- 22 C 3129 X. Mobile Mount. Wt., 2 1/2 lbs. .... 5.95



V-107 VFO  
Kit for 6 and  
2 Meters

**\$24<sup>95</sup>**

\$5 monthly

VFO kit for use with 6- and 2-meter transceiver kits. Has Clapp Oscillator circuit, carefully temperature compensated, for maximum stability. Voltage-regulator-stabilized DC supply for oscillator. Power is drawn from transceiver. Backlighted dial calibrated for 6 and 2 meters. Smooth, effortless vernier-tuning. B+ switch and indicator light for standby operation. 5 1/2 x 4 1/4 x 6 1/4". With all parts, wire, solder, and step-by-step instructions. 5 lbs.  
22 C 3461 X. \$5 Monthly ..... 24.95



### TR-106 3-Piece Base Station Outfit

Separately, \$145.85. Save \$5.00 on this 6-meter Amateur base-station outfit for reliable VHF communications. Includes: Knight-Kit TR-106 6-Meter Transceiver Kit, Knight-Kit V-107 VFO Kit for 6 and 2 Meters, Desk-Top Base for Transceiver and VFO. TR-106 offers dual-conversion receiver with 0.5 microvolt sensitivity; effective AVC and ANL action; three-stage 15-watt transmitter; separate AF and RF gain controls. Automatically switched, illuminated "S" meter/RF meter. Vernier-drive tuning; illuminated dial. Transmit indicator light on front panel. VFO features voltage-regulated DC supply for oscillator; temperature-compensated circuit. Transceiver size,  $5\frac{1}{2} \times 13\frac{1}{8} \times 11"$ . VFO size,  $5\frac{1}{2} \times 4\frac{1}{4} \times 6\frac{1}{4}"$ . 110-130 V, 60 Hz AC. 32 lbs. 22 C 0495 L3X. \$8 Monthly. . . . . 140.85

### TR-106 5-Piece Base Station Outfit

Separately, \$172.85. Save \$5.00 on this 6-meter Amateur base station kit outfit. After a few enjoyable hours of building, you're on the air with a deluxe VHF transceiver. Base station outfit includes: Knight-Kit TR-106 6-Meter Transceiver Kit; Knight-Kit V-107 6 and 2-Meter VFO Kit; Desk-Top Base for positioning transceiver to the correct slope; Cush-Craft A50-5 6-Meter Beam Antenna delivers a powerful signal; 50-Feet of RG58/U Foam Coax with PL-259 Connectors. Transceiver has sensitive dual-conversion receiver with 0.5 microvolt sensitivity; three-stage transmitter—doubler, tripler and straight-through final amplifier, 15 watts input; VFO has illuminated dial scales, temperature compensated circuit. For 110-130 V, 60 Hz AC. Wt., 49 lbs. 22 C 0151 L5ZX. \$9 Monthly. . . . . 167.85

### TR-108 3-Piece Base Station Outfit

Separately, \$145.85. Save \$5.00 on this 2-meter station offering the finest in VHF communications at moderate cost. Includes: Knight-Kit TR-108 2-Meter Transceiver Kit; Knight-Kit V-107 VFO Kit for 2 or 6 Meters; Desk-Top Base for Transceiver and VFO. TR-108 offers dual-conversion receiver with effective AFC and ANL action; three-stage 15-watt transmitter; separate AF and RF gain controls. Automatically switched, illuminated "S" meter, relative RF output meter. Vernier-drive tuning; illuminated dial. Transmit indicator light on front panel. VFO features voltage-regulated DC supply for oscillator; temperature-compensated circuit. Transceiver size,  $5\frac{1}{2} \times 13\frac{1}{8} \times 11"$ . VFO,  $5\frac{1}{2} \times 4\frac{1}{4} \times 6\frac{1}{4}"$ . 110-130 volts, 60 Hz AC. 32 lbs. 22 C 0140 L3KX. \$8 Monthly. . . . . 140.85

### TR-108 5-Piece Base Station Outfit

Separately, \$166.30. Save \$5.00 on this 2-meter base station outfit. Everything you need for a deluxe VHF Amateur Radio station—requires just a few enjoyable hours of construction. Outfit includes: Knight-Kit TR-108 2-Meter Transceiver Kit; Knight-Kit V-107 VFO Kit; Desk-Top Base that positions transceiver and VFO for operating ease; Cush-Craft A-144-11 2-Meter Beam Antenna; 50-Feet of RG58/U Foam Coax with PL-259 Connectors. Transceiver has sensitive dual-conversion receiver; high-level plate and screen-modulated 15-watt transmitter; pi-matching network for 30-90 ohms. VFO has temperature-compensated circuit. Complete with mike, instructions. For 110-130 volts, 60 Hz AC. 42 lbs. 22 C 0153 L5ZX. \$9 Monthly. . . . . 161.30

## 6- and 2-Meter Base Station Kit Outfits



3-Piece Base Station



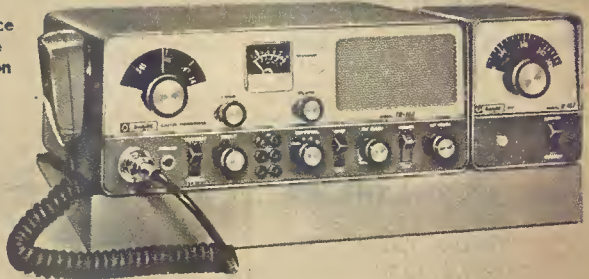
Save \$5.00 **\$140<sup>85</sup>** \$8 monthly

5-Piece Base Station



Save \$5.00 **\$167<sup>85</sup>** \$9 monthly

3-Piece Base Station



Save \$5.00 **\$140<sup>85</sup>** \$8 monthly

5-Piece Base Station



Save \$5.00 **\$161<sup>30</sup>** \$9 monthly

Get Your Transceiver Outfit Now on Allied's Credit Fund Plan

ALLIED 497

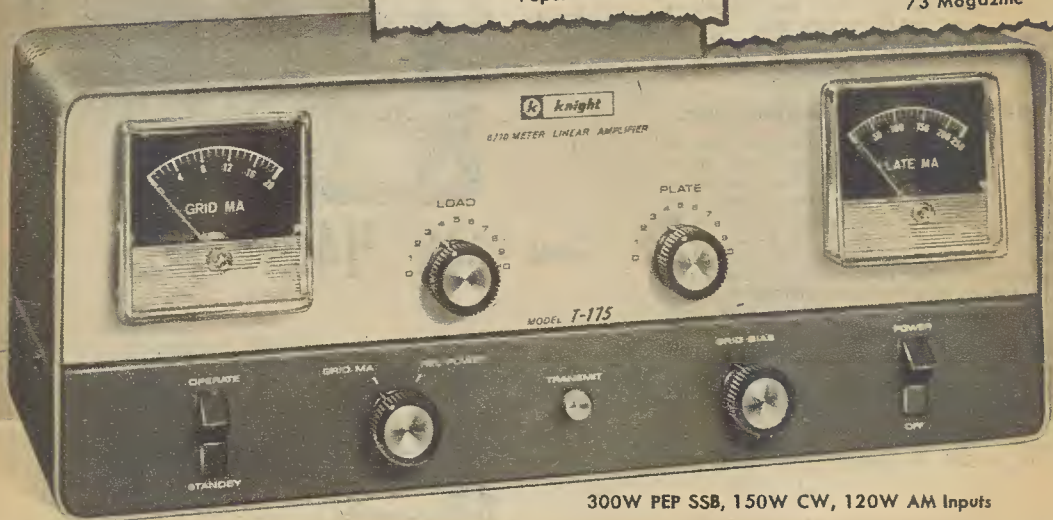


**knight-kit**  
**KITS**  
AMATEUR GEAR

**Hams! Here's Your Best Buy in An  
Advanced-Design Linear Amplifier**

"... a nice addition to Allied Radio's popular kit line ... tested primarily on 6 meters ... performs equally well on 10..."  
Popular Electronics

"... economical way to really work out ... you'll have the best signal on the block ... it's o darn good investment."  
73 Magazine



300W PEP SSB, 150W CW, 120W AM Inputs

**Popular T-175 Linear Amplifier Kit for 6 and 10-Meter SSB/AM/CW**

**\$99<sup>95</sup>** \$5  
monthly

- Covers 6, 10, and 11-Meter\* Bands
- Perfect Match for TR-106 Transceiver
- Operates with Virtually Any Transmitter
- No Internal Connection to Exciter
- 1-4W AM, 1-7W CW, 1-15W SSB Drive
- Internal Automatic Antenna Switching
- Pi-Net Matches 50-70 Ohm Antennas
- Forced-Air Cooling Fan for Transmit

- FINEST HAM RADIO  
VALUES ON-THE-AIR**
1. MAXIMUM VALUE FOR YOUR KIT DOLLAR
  2. ADVANCED DESIGN, TOP PERFORMANCE
  3. COMPLETE EASY-TO-FOLLOW INSTRUCTIONS
  4. EXCLUSIVE FEATURES AND CONSERVATIVE RATINGS
  5. DEPENDABLE, PREMIUM-QUALITY COMPONENTS

The choice of the experts, this 6 and 10/11-meter\* linear amplifier kit puts extra power in your Hamshack for less than a dollar per watt. Delivers plate power input of up to 300 watts PEP on SSB, 120 watts AM, and 150 watts CW. Drive requirements are 1-15 watts PEP SSB, 1-4 watts AM, 1-7 watts CW (50-ohm, 5-watt swamping resistor supplied for higher power excitors).

Two illuminated meters for plate current and combination grid current relative power. Internal automatic antenna changeover circuit for SSB, AM, and low speed CW—no internal connections to transceiver required. Rugged fan for forced air cooling during transmit. Thermal radiators on plate caps reduce tube temperature. Standard SO-239 coaxial connectors.

Input impedance, 50 ohms nominal; output impedance, 50-70 ohm pi matching network. Size, 5 1/2 x 13 1/8 x 11" deep. Coils supplied for \*26.960-29.700 MHz and 50-54 MHz. With all parts, wire, solder, and detailed instructions. For 110-130 V, 60 Hz AC. \*Illegal for Class D CB Operation in U.S.A. Shpg. wt., 22 lbs. 22 C 3463 X. \$5 Monthly. **99.95**

**SPECIFICATIONS**

*Frequency Coverage:* \*26.960-29.700 MHz and 50-54 MHz. *Power Input* (Depends on input drive level): AM, 120 watts max.; CW, 150 watts max.; SSB, 300 watts PEP max. *Drive Requirements:* AM, 1-4 watts; CW, 1-7 watts; SSB, 1-15 watts PEP max. *Class of Operation:* Class B<sub>2</sub>, grounded

grid, triode connected beam pentodes. *Input Impedance:* 50 ohms nominal. *Output Impedance:* Pi-matching network for 50-70 ohm loads with a VSWR of 3:1 or less. *Tubes:* 6JE6A output amplifiers; 12AT7 relay amplifier. *Primary Input:* 110-130 V, 60 Hz AC; 220 W max., 45 W standby.

# Helpful Knight-Kit Accessories for Ham Shack, Laboratory, and Shop



## P-2 SWR/Power Meter Kit Versatile Two-Unit Design

- Low-Power to 1000 Watts Capacity
- May Be Left Permanently in Line
- For Amateur, CB, and Other Services

Easy-to-assemble SWR/Power Meter kit measures SWR from 1:1 to 20:1 and relative power from 0-10. Covers 1.8 to 432 MHz. Flexible two-unit construction—consists of coupler and indicator connected by a 4-ft. shielded cable. May be left permanently in the transmission line with negligible power loss. Requires no AC power or batteries. Accuracy is better than 10%. Sensitivity adjustment. Gray satin finish. Coupler, 2x5x2 1/2". Indicator, 2 7/8x6 1/4x3". SO-239 coax connectors. With all parts, wire, solder, detailed instructions. 22 C 3627 X. Shpg. wt., 3 lbs. .... 16.95



P-2 Earns Fine Magazine Reviews  
"... worked perfectly... no adjustments were required..." —73  
"... price class makes it a difficult item to duplicate..." —QST

**\$16<sup>95</sup>**

## G-30 Grid-Dip Meter Kit—Has Many Uses

- Continuous Overlapping Coverage
- 1.5 to 300-MHz Frequency Range
- Color-Coded Scales Match Coils

**\$23<sup>95</sup>** \$5 monthly

An extremely useful instrument in any Ham shack, lab, or shop. Great for aligning receivers, adjusting wave traps, finding parasitic oscillations, adjusting antennas, or as a resonant frequency-indicator, signal generator, absorption wavemeter, more. Its compactness—only 1 1/8" deep—allows it to fit easily in the palm of your hand. Dial calibration and movable hairline cursor permit fast, accurate readings. Covers all frequencies from 1.5 to 300 MHz in 6 overlapping ranges. Dial scales are color-coded to match coils. Variable sensitivity control for optimum grid current adjustment. Circuit is so stable that entire hand may be tuned without readjusting gain. Becomes a crystal oscillator with a standard-spaced plug-in crystal. Phone jack permits use as modulation monitor or regenerative detector. 6 3/8 x 3 1/4 x 1 1/8". With 6 coils in plastic case, detailed easy-to-follow instructions. For 110-130 V, 50-60 Hz AC. Shpg. wt., 2 lbs.

22 C 3721 X. \$5 Monthly ..... 23.95



Fits in the Palm of Your Hand

### SOME OF THE MANY G-30 USES

Grid-Dip Oscillator, Oscillation Detector, Signal Generator, Absorption Wavemeter, Modulation Monitor, Regenerative Detector. Checks Resonant Frequencies of L-C Networks in TV, Radio Circuits. Determines Inductance and Capacitance.

## X-10 100-kHz Crystal Calibrator Kit for Accurate Marking

- Provides Frequency Marker Every 100 kHz to 35 MHz
- Convenient Trimmer Permits Zero-Beating with WWV
- Builds into Knight-Kit R-100A, R-55A, Other Receivers

Low-cost secondary frequency standard produces harmonics every 100 kHz up to 35 MHz. Markers give check points that are extremely accurate in the 160 to 10-meter Ham bands and international SW hands. A "must" for calibrating dials and marking band edges. Trimmer for zero-beating with WWV or any station on a multiple of 100 kHz. Four wires to connect power. Requires 6.3 VAC or DC at 150 mA, and 150-300 VDC at 6 and 3 mA respectively. On-off switch. 3 1/2 x 2 1/2 x 1 1/2". Fits inside most Amateur receivers. With wire, solder, hermetically sealed 100-kHz crystal, easy instructions.

22 C 3256 X. Shpg. wt., 1 lb. .... 12.95

With Crystal

**\$12<sup>95</sup>**

All Ham Bands from 160-10 Meters



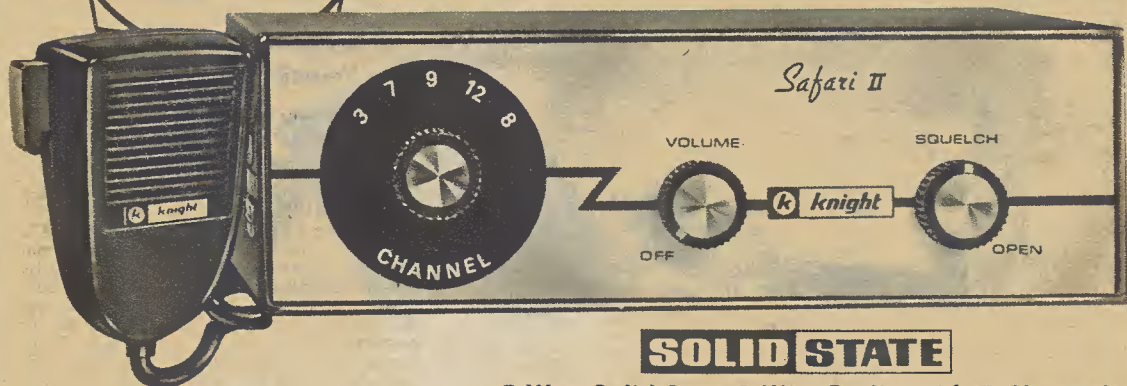
Performance-Proven Knight-Kit Equipment Is Your Best Value

ALLIED 499



**knight-kit**  
**SPECIAL**  
**VALUE**

# New Low Price on Safari II Citizens Band 2-Way Radio it



## SOLID STATE

### 5-Watt Solid-State 2-Way Radio with 5 Channels

Popular CB 2-way radio kit offers outstanding two-way communications on up to 5 crystal-controlled transmit-receive channels. Features factory assembled and aligned transmitter circuit; simple 3-control operation; stable silicon transistor solid-state circuit. Compact design permits mounting in cars or boats in a matter of minutes. Or use it with the optional AC power supply (below) for a fine 5-channel base station.

Sensitive superhet receiver has adjustable squelch for total silence between calls; series-gate noise limiter to overcome ignition or pulse-type interference. Transmitter has full legal 5-watt input power; double-pi output network to match 50-ohm antennas. On-off volume control; 5-channel rotary-type illuminated selector switch.

Rugged metal case, only 2 1/8 x 6 7/8 x 3 1/2". With SO-239 antenna connector, push-to-talk speaker/mike, crystals for Channel 9, all parts, wire, solder, instructions. For 12 VDC negative ground. Order extra crystals below. Shpg. wt., 4 lbs.

22 C 3840 X, \$5 Monthly..... 49.95

22 C 3197 X, Mobile Mounting Bracket, Shpg. wt., 3 lbs..... 3.95

Extra Crystals, Specify Channel 1-23, Shpg. wt., 3 oz.

22 C 3217 CX, Transmit..... Each 2.50..... Lots of 3..... Each 1.95

22 C 3218 CX, Receive..... Each 2.50..... Lots of 3..... Each 1.95

### SPECIFICATIONS

**RECEIVER CIRCUIT:** Sensitivity: 1.5  $\mu$ V for 10 dB S/N ratio. *IF Selectivity:* 4 kHz at 6 dB down for 10  $\mu$ V signal input. *Adjacent Channel Rejection:* over 30 dB on 5 tuned circuits. **TRANSMITTER CIRCUIT:** Power Input: 5 watts. Output Impedance: 50-ohm antenna. Modulation: 80% minimum. Power Output: 3 watts. **SEMI-CONDUCTOR COMPLEMENT:** 13 silicon transistors, 9 diodes.

### Safari II and III AC Power Supply and Charger



Converts Safari II and III  
to 110-130 VAC

Allows you to take advantage of Safari Series versatility. Factory assembled—instantly converts them to 110-130 V, 60 Hz AC operation for base station use. Also serves as battery charger for portable pack (facing page). 3-position switch (Charge/Off/Operate); regulated DC output, 2 3/4 x 5 1/8 x 8". With cables, 110-130 V, 60 Hz AC. Shpg. wt., 3 1/2 lbs. 22 C 3180 X..... 15.95

**\$49<sup>95</sup>**

\$5 monthly

Thousands Sold for \$69.95  
in Catalog 270

- ✓ Precision Factory-Assembled and Aligned Transmitter Circuit
- ✓ Advanced Solid-State Construction with 13 Transistors and 9 Diodes
- ✓ Stable Silicon Transistor Circuit for Dependable Communications
- ✓ Front Panel Simplified to Three Controls for Easy Operation
- ✓ Excellent 1.5  $\mu$ V Sensitivity for 10 dB Signal-to-Noise Ratio
- ✓ Selectivity Is a Sharp 4 kHz at 6 dB Down for 10  $\mu$ V Signal Input
- ✓ Adjacent-Channel Rejection Is Over 30 dB on Five Tuned Circuits
- ✓ Adjustable Squelch, Series-Gate Noise Limiter Quiets Operation
- ✓ Transmitter Features Full Legal-Limit 5-Watt Power Input
- ✓ Crystal-Controlled Transmit and Receive on up to 5 Channels

500 ALLIED

Allied's Knight-kits Are Tops in Value and Performance

# Safari® II Solid-State CB Radio it Outfits

## Two-Way Mobile-Station Kit Outfit

- For Operation in Any 12-VDC Vehicle
- Allied/Knight CB/AM/FM Antenna
- Slip-Out Mobile Mounting Bracket

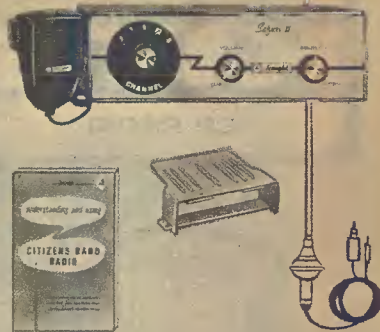
Outstanding value! Easy-to-operate mobile station offers reliable two-way Citizens Band communications for vehicle or boat. Includes: Knight-Kit Safari II 5-Channel CB 2-Way Radio Kit for 12 VDC Operation; Mobile Mounting Bracket with Slip-Out Design; Allied/Knight CB/AM/FM Antenna; Allied's "Understanding and Using CB Radio" Book; Crystals for Channel 9. Safari II has series gate noise limiter to overcome pulse-type interference, adjustable squelch for total silence between calls, full legal 5-watt input power for longer range, double-pi output network, illuminated 5-channel rotary selector switch, volume and squelch controls. Shpg. wt., 8 lbs.

22 C 0155 L3X. \$5 Monthly.....64.90

## MOBILE STATION OUTFIT

**\$64<sup>90</sup>**

\$5 monthly



## Alternate Mobile-Station Outfit

- Allied/Knight 102-Inch Whip Antenna
- For Operation in Any 12-VDC Vehicle
- Slip-Out Mobile Mounting Bracket

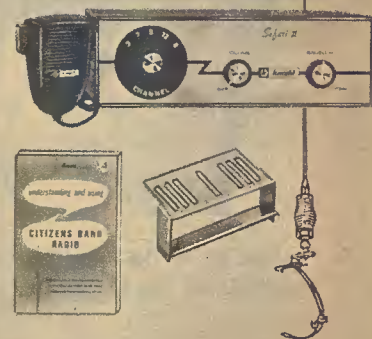
Extra-special buy! Complete mobile station provides two-way Citizens Band communications for any vehicle or boat. Includes: Knight-Kit Safari II 5-Channel CB 2-Way Radio Kit for 12 VDC Operation; Mobile Mounting Bracket with Slip-Out Design; Allied/Knight 102-In. Stainless-Steel Whip Antenna; Allied's "Understanding and Using CB Radio" Book; Crystals for Channel 9. Antenna includes bumper mount, ball, spring, gutter clip, cable, and plug. Durable base is built for quick installation. Safari II is fully crystal controlled. Additional channel crystals simply plug into the circuit. Shpg. wt., 14 lbs.

22 C 0144 L3X. \$5 Monthly.....69.42

## MOBILE STATION OUTFIT

**\$69<sup>42</sup>**

\$5 monthly



## Two-Way Base-Station Kit Outfit

- Assembled 110-130 VAC Power Supply
- Allied/Knight KN-2505A Ground-Plane
- 50 Feet of RG-58/U Foam Coax Cable

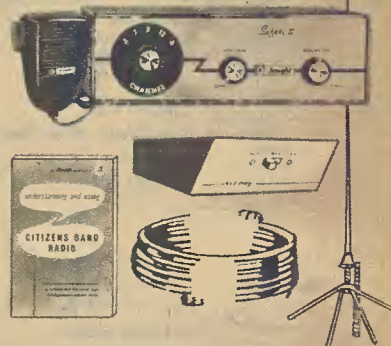
Exceptional price! Superb Citizens Band outfit provides everything you need for an excellent base station. Delivers fixed location communications on up to 5 channels. Includes: Knight-Kit Safari II 5-Channel 2-Way Radio Kit; Allied/Knight KN-2505A Ground-Plane Antenna; Assembled AC Power Supply for 110-130 VAC Operation; 50 Feet of RG-58/U Foam Coax Cable with PL-259 Connectors; Allied's "Understanding and Using CB Radio" Book; Crystals for Channel 9. Safari II features factory assembled and aligned transmitter circuit, solid-state design. Shpg. wt., 18 lbs.

22 C 0154 L4X. \$5 Monthly.....81.85

## BASE STATION OUTFIT

**\$81<sup>85</sup>**

\$5 monthly



## Safari II and III Accessories for Portable Use

**Accessory Battery Pack.** Factory assembled. Converts Safari to portable station. Switch for Charge/Off/Operate. Battery condition meter. Uses 9 "D" cells, rechargeable or regular. With cables, carry strap. Order batteries, accessory antenna, canvas carry bag at price. 1 1/2 x 7 x 8 1/2". 2 lbs. \$5 Mo.  
22 C 3196 X.....19.95

**Accessory Antenna.** For use with battery pack as a highly efficient radiator for portable service. Stainless steel, center loaded. 20-in. overall length. Has removable right-angle connector. Waterproof, fights corrosion. May be used for either portable or base station operation. Shpg. wt., 1 lb.  
22 C 3109 X.....5.95

**Extra Crystals. Specify Channel 1-23.** (Safari units supplied with Chan. 9).  
22 C 3217 CX. Transmit. Shpg. wt., 3 oz.. Each 2.50  
In Lots of Three... Each 1.95  
22 C 3218 CX. Receive. Shpg. wt., 3 oz.. Each 2.50  
In Lots of Three... Each 1.95  
**Rechargeable Alkaline Cells.** (Uses 9.) 4 oz.  
18 C 5815.....Each 1.00

**Canvas Carrying Bag.** Waterproof. Protects Safari units from damaging weather and elements. Holds Safari unit, battery pack, antenna. With convenient carrying handle. Shpg. wt., 2 lbs.  
22 C 3199 X.....9.95

**"D" Cells.** For battery pack. (Uses 9.) 5 oz.  
18 C 5779...Pkg. of 2/33¢



# knight-kit KITS

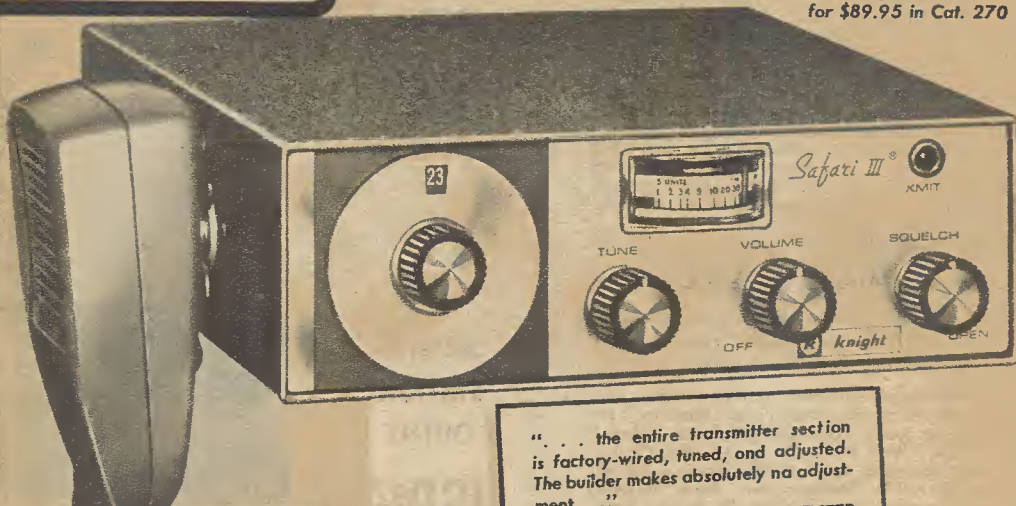
CB RADIO

## New Low Price on Safari® III Citizens Band 2-Way Radio Kit

\$79<sup>95</sup> \$5  
monthly

**SOLID STATE**

Thousands Sold  
for \$89.95 in Cat. 270



"... the entire transmitter section is factory-wired, tuned, and adjusted. The builder makes absolutely no adjustment..."

RADIO-TV EXPERIMENTER

### SOME UP-TO-THE-MINUTE FEATURES OF THE SAFARI III



Twenty-Three Crystal-  
Controlled Channels  
Covering the Entire  
Citizens Band



Transmit Indicator-  
Light Glows When You  
Are on the Air and  
Transmitting



"S" Meter Reads  
Incoming Signal  
Strength and Serves  
as Tuning Meter



Squelch Control  
Adjusts Receiver for  
Silence Between  
Incoming Calls



All Solid-State with  
14 Silicon Transistors  
and 9 Diodes for  
Excellent Stability

### 5-Watt Solid-State 2-Way Radio with 23 Channels

- Precision Factory Assembled and Aligned Transmitter Circuit
- All Silicon Transistors for Excellent Stability and Performance
- Series-Gate Noise Limiter Overcomes Pulse-Type Interference
- Generous Heat-Sinking for Long, Trouble-free Transistor Life

Outstanding Safari III CB 2-way radio kit offers deluxe two-way CB communications. Its 23-channel crystal-controlled transmit/receive capability provides maximum operating versatility. Features factory assembled and aligned transmitter plus all silicon transistor solid-state circuits for excellent stability. Generous heat sinking for longer transistor life, minimum maintenance.

Sensitive superhet receiver has "S" meter; adjustable squelch to silence speaker between calls; fine-tuning control to pull in stations operating slightly off frequency; series-gate noise limiter. Transmitter has full legal-limit 5-watt input power; transmit indicator light; double-pi output, matching 50-ohm antennas. Transmit and receive crystals simply plug into circuit. Combination on/off volume control; illuminated channel-selector switch.

Metal case, only 2 1/2 x 6 1/2 x 8 1/2". With SO-239 antenna connector, push-to-talk mike that also serves as speaker, crystals for Channel 9; all parts, wire, solder, instructions. 12 VDC, negative ground.

22 C 3842 X. Shpg. wt., 4 lbs. \$5 Monthly..... 79.95  
22 C 3197 X. Mobile Mounting Bracket. Shpg. wt., 3 lbs..... 3.95  
Extra Crystals. Specify Channel 1-23. Shpg. wt., 3 oz.  
22 C 3217 CS. Transmit.... Each 2.50 3 and up..... Each 1.95  
22 C 3218 CS. Receive.... Each 2.50 3 and up..... Each 1.95

#### SAFARI III SPECIFICATIONS

RECEIVER. *Sensitivity*: 1.5  $\mu$ V for 10 dB S/N ratio. *IF Selectivity*:  $\pm$ 4 kHz at 6 dB down for 10  $\mu$ V input. *Adjacent Channel Rejection*: over 30 dB on 5 tuned circuits. TRANSMITTER. *Power Input*: 5 watts. *Output Impedance*: matches 50-ohm antenna. *Modulation*:  $\pm$ 80% minimum. *Power Output*: 3 watts. GENERAL *Switches and Controls*: On/Off Volume; Adjustable Squelch Control; Illuminated Selector Switch; Fine-Tuning Control; Transmit Indicator Light; "S" Meter. *Semiconductor Complement*: 14 silicon transistors and 9 diodes.

# Save on Safari® III CB Solid-State Kit Outfits

## Mobile Station Kit Outfit

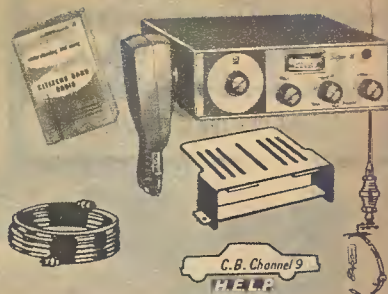
*Separately, \$99.35.* Deluxe mobile 2-way radio outfit for cars and boats. You enjoy all the fine features of the Safari III in a high-performance Citizens Band mobile station. Includes: Knight-Kit Safari III 23-Channel Solid-State Citizens Band 2-Way Radio Kit for 12 VDC; Mobile Mounting Bracket with Slip-Out Design; Knight KN-2506 102" Stainless Steel Whip Antenna with Bumper Mount, Ball, Spring, Gutter Clip, Cable, Plug; Allied's "Understanding and Using CB Radio" Book; Crystals for Channel 9. Compact size, easy to install and operate. Simple to assemble with detailed instructions. 14 lbs.  
22 C 0146 L3X. \$5 Monthly. . . . . 84.35

**MOBILE  
STATION**

**Save  
\$15.00**

**\$84<sup>35</sup>**

\$5 monthly



C.B. Channel 9  
ALLIED

## Alternate Mobile Kit Outfit

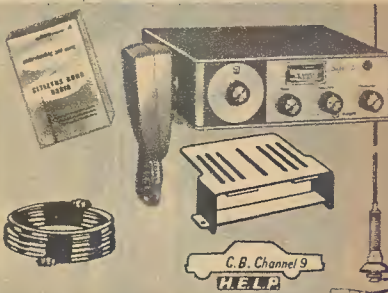
*Separately, \$94.35.* Same as above, with all the features, but with Knight KN-257B 30' Whip Antenna in place of the KN-2506. Includes 18-ft. of RG-58/U Cable, 2 mounting wrenches. The Safari III features factory assembled and aligned transmitter to simplify assembly and assure the finest performance. All silicon transistor solid-state circuits throughout for excellent stability. Generous heat sinking for long transistor life and fewer servicing problems. Low battery drain makes it ideal for mobile use. Shpg. wt., 8 lbs.  
22 C 0157 L3X. \$5 Monthly. . . . . 82.35

**MOBILE  
STATION**

**Save  
\$12.00**

**\$82<sup>35</sup>**

\$5 monthly



C.B. Channel 9  
ALLIED

## Base Station Kit Outfit

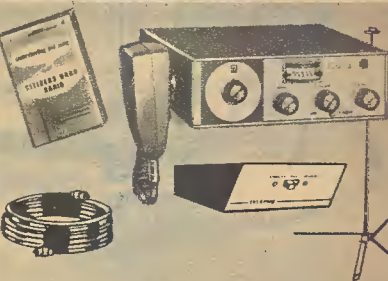
*Separately, \$115.85.* Everything you need for a complete high-efficiency base station. Features the superb Safari III with its advanced all-silicon transistor solid-state circuit. You get reliable long-range CB communications with this fine station. Includes: Knight-Kit Safari III 23-Channel Solid-State Citizens Band 2-Way Radio Kit; Assembled AC Power Supply for 110-130 VAC Operation; Knight KN-2570 Ground Plane Antenna; 50 Feet of RG-58/U Foam Coax Cable, All Connectors; Allied's "Understanding and Using CB Radio" Book; Crystals for Channel 9. Shpg. wt., 15 lbs.  
22 C 0145 L4X. \$5 Monthly. . . . . 99.85

**BASE  
STATION**

**Save  
\$16.00**

**\$99<sup>85</sup>**

\$5 monthly



## Alternate Base Kit Outfit

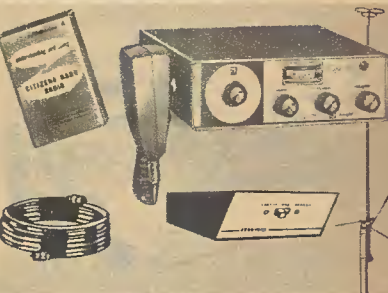
*Separately, \$126.85.* Same as above, with all the features, but with Knight KN-2572 Maximum-Gain Ground Plane Antenna in place of KN-2570. The KN-2572 for base installation uses a 19-foot radiator with top-hat static arrester and center skirt, three 108" aluminum radials. Safari III has series-gate noise limiter, adjustable squelch, silicon-transistors for reliable operation over a wide temperature range. Wt., 8 lbs.  
22 C 0147 L4X. \$6 Monthly. . . . . 109.85

**BASE  
STATION**

**Save  
\$17.00**

**\$109<sup>85</sup>**

\$6 monthly



## Portable Station Kit Outfit

*Separately, \$118.20.* A complete portable CB station outfit that assures you efficient two-way communications. An ideal choice for camping, fishing, or hunting trips; keeps you in touch in case of emergency. Includes: Knight-Kit Safari III 23-Channel Citizens Band 2-Way Radio Kit; Assembled Battery Pack with Battery-Condition Meter and 12 VDC Cable; Top-Loaded 20" Stainless Steel Antenna; Waterproof Canvas Carrying Bag; Allied's "Understanding and Using CB Radio" Book; 10 "D" Cells; Crystals for Channel 9. The compact size and light weight of the Safari III makes it an excellent portable and outdoor CB station. Silicon transistor circuit assures stable performance and long-term reliability. Carrying bag holds Safari III, antenna, and battery pack. Shpg. wt., 11 lbs.  
22 C 051B L4X. \$5 Monthly. . . . . 99.95

**PORTABLE  
STATION**

**Save  
\$18.25**

**\$99<sup>95</sup>**

\$5 monthly



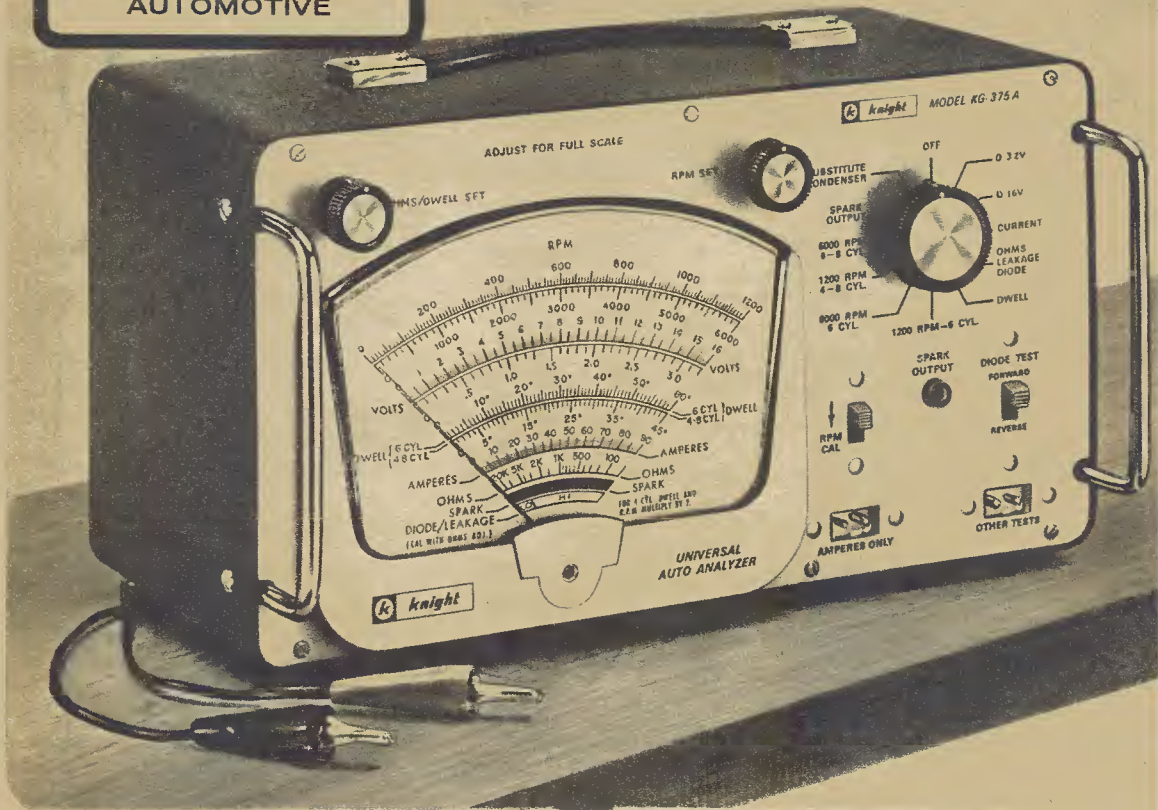
Buy Your Knight-Kit CB Equipment with Allied's Credit Fund Plan

ALLIED 503



# knight-kit KITS AUTOMOTIVE

## Solid-State Auto Analyzer it TUNEUP AND TROUBLESHOOT ANY CAR .. EVEN MAKE ACTUAL ROAD TESTS



### KG-375A Portable Auto Analyzer Kit

**\$49<sup>95</sup>**

\$5 monthly

- Silican Solid-State Tachometer Circuit
- Printed Circuit Board for Easy Assembly
- Battery-Powered for In-Car Road Tests
- Detailed Tuneup, Troubleshooting Chart

Portable KG-375A Solid-State Auto Analyzer Kit can save you up to hundreds of dollars. Helps you make your own tuneups, and do many of your own auto repairs and adjustments. Accurately checks voltage and current regulators, generators, alternator diodes. Detects distributor wear, condition of point surfaces, variation of dwell angle. Determines coil resistance; locates poor or open electrical ground circuits, much more. Self-contained and portable—even allows actual road performance tests. Single function switch for operating ease. Easy-to-read 7" meter has sensitive D'Arsonval movement; scales for 0-1200-6000 engine rpm; 0-3.2-16 volts; 0-90 amps; 0-20,000 ohms; 0-45°-60°-90° dwell angle, spark output and leakage. Rugged case, 6 1/2 x 12 x 5 1/2", with roll bars, carrying handle, soft rubber feet. With comprehensive tuneup, troubleshooting manual; 4 "C" batteries; 90-amp shunt; solder; full instructions for easy assembly. For 6- or 12-volt systems, 4-, 6-, 8-cylinder engines, positive or negative ground. From Japan. Shpg. wt., 11 lbs.

22 C 3323 X. \$5 Monthly. . . . . 49.95

### Chilton's 1968 Auto Repair Manual

Comprehensive manual covers all U.S. cars, 1960 to 1968. Offers detailed step-by-step instructions for every repair and adjustment. Expanded troubleshooting section. Illustrated. More than 1400 pages. Hard cover.

23 C 7121 E. Shpg. wt., 7 lbs. . . . . 9.95



"... The finished analyzer is as accurate as any ready-made unit ... top-quality components."  
POPULAR SCIENCE MONTHLY

"Enables anyone to make his own tuneups ... do his own troubleshooting with ... ease ..."  
SCIENCE AND MECHANICS

# Deluxe Ignition System Kit

**KG-372 CAPACITIVE-DISCHARGE SYSTEM  
INCREASES ENGINE EFFICIENCY**



**Offers Up to 20%  
Increased Gas  
Mileage and 3 to 10  
Times Longer Spark  
Plug Life! Cuts  
Ignition Maintenance  
60% to 80%**



Mode for  
Knight-Kit  
by DELTA

## KG-372 Capacitive-Discharge Ignition System Kit

**\$28<sup>95</sup>**

**\$5 monthly**

- Silicon-Controlled Rectifier Switching
- Installs in Car or Boat in Just 10 Minutes
- For Positive or Negative 12-Volt Systems
- Gives Fast, Sure Starts in Any Weather

## Outstanding Quality!

- Provides More Complete Combustion for Improved Performance
- Increased Spark Magnitude Assures Fast, Positive Ignition
- Disconnects Easily for Immediate Performance Comparisons

Deluxe solid-state capacitive-discharge ignition system kit. Saves trouble, saves money—offers dramatic performance improvement for your car or boat at an exciting low price. True electronic system uses highly reliable Silicon-Controlled-Rectifier (SCR) switching. Provides many times the energy of conventional systems to give you more complete combustion, increased acceleration and improved engine performance, plus 10% to 20% increased gas mileage.

Increased spark magnitude—from 3 to 4 times normal—assures improved ignition. Fast spark rise-time helps prevent fouling and electrode erosion, resulting in 3 to 10 times longer spark plug life. Complete combustion process materially reduces formation of residuals and other contaminants which shorten engine life. Installs in less than 10 minutes into standard ignition system with no rewiring, removal, or addition of parts. Leaves original coil intact—disconnects in one minute to allow immediate performance comparisons.

Input current: 1-5 amps, depending on engine rpm; 400-volt discharge pulse. Can be triggered by ignition points or any suitable source. Unaffected by temperature extremes or operating conditions—provides fast, sure starts in any weather. 12-volt systems only, positive or negative ground. 3x5½x3¾". With all parts, solder, step-by-step assembly instructions. Shpg. wt., 2½ lbs.  
22 C 9575 X. \$5 Monthly..... 28.95

## SPECIFICATIONS

- Input Source:** 12-V positive or negative ground battery, generator or alternator system.
- Input Current:** 1-5 amps, depending on engine rpm.
- Output Voltage:** 400-volt discharge pulse.
- Triggering:** Ignition points or other source.
- Maximum Point Series Resistance:** Approximately 25 ohms.
- Minimum Point Shunting Resistance:** Approximately 200 ohms.
- Open Circuit Secondary Voltage:** Cranking 8-V input, 35 kV. 500-rpm 12-V input, 50 kV. 7500-rpm 14-V input, 40 kV.

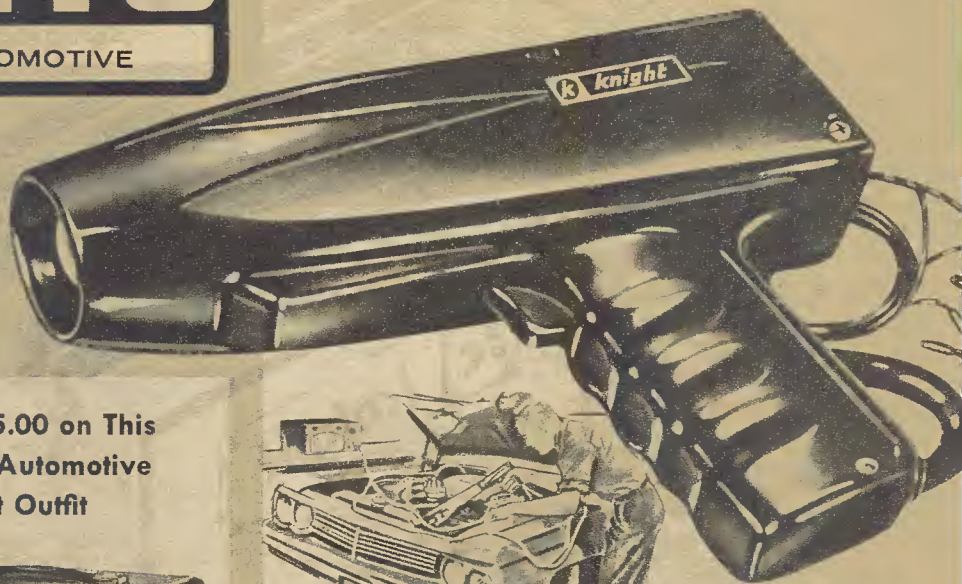
Use Allied's Credit Fund Plan to Buy All Your Knight-Kit Equipment

**ALLIED 505**



**knight-kit**  
**KITS**  
 AUTOMOTIVE

# KG-371 Deluxe Solid-State Auto Timing Light Kit



Save \$5.00 on This Basic Automotive Kit Outfit



Save \$5.00 **\$64.90** \$5 monthly

- Far Tuneups and Troubleshooting
- Easy-to-Assemble Solid-State Kits
- Helps You Make Your Own Repairs

Separately, \$69.90. Basic automotive kit outfit helps you get your car in top shape and keep it that way. Consists of: Knight-Kit KG-371 Solid-State Timing Light Kit and Knight-Kit KG-375A Solid-State Auto Analyzer Kit. Auto analyzer performs dozens of checks; invaluable for tuneups and troubleshooting. Has scales for engine rpm, dwell angle, spark output, leakage, volts, amps and ohms. Checks generators, regulators, alternator diodes, much more. Has easy-to-read 7" meter with D'Arsonval movement, color-coded scales. Both kits complete with all parts, solder, step-by-step instructions. 13 lbs.  
 22 C 0660 L2X. \$5 Monthly... 64.90



## COMPARABLE TO LIGHTS COSTING MUCH MORE

- ✓ Helps Set Ignition Timing
- ✓ Checks Synchronization of Double Breaker Arms
- ✓ Checks for Sticking Automatic Spark Advance Mechanism
- ✓ Checks Distributor Cam Wear
- ✓ Built-In DC Power Supply
- ✓ Reliable Solid-State Circuit
- ✓ Pistol Grip with Trigger Switch
- ✓ Rugged High-Impact Housing
- ✓ Up to 1250 Flashes per Minute (2500 rpm with 4-Cycle Engines)

**\$19.95**

- Built-In Power Supply for 600-Volt Flashtube
- Brighter Flash Than Units Operated from Ignition Coil
- For 6 or 12 Volts, Positive or Negative Ground
- Clear and Comprehensive Operating Directions

\$5 monthly

This easy-to-build timing light kit is comparable to factory assembled lights costing much more. High-intensity light "stops" timing marks on engine's flywheel or crankshaft vibration dampener. Lets you accurately check timing by lining up marks with pointer. Helps you get maximum fuel economy and power by making sure plugs are firing at proper intervals in compression cycle. Checks ignition timing, synchronization of double breaker arms, automatic spark advance and distributor cam wear.

Built-in solid-state DC power supply and high-intensity 600-volt flashtube generate extra-bright flashes, sharply focused by a special light-concentrating lens. Offers brighter flash than those obtained from timing lights that operate off ignition coil—can be clearly seen even in brightly lighted work areas. Delivers up to 1250 flashes per minute (2500 rpm with 4-cycle engine). High-impact housing, with comfortable, form-fitted trigger switch.

High-voltage cable attaches by insulated adapter clip between spark plug and its wire; DC cables attach directly to car battery. All cables are 5½-ft. long for easy under-hood testing. Overall size, 6" x 8¾" x 2". With solder, insulated copper hipper clips, all cables, spark plug adapter. Easy-to-follow step-by-step assembly instructions, comprehensive operating procedures. For 6- or 12-volt systems, positive or negative ground. From Japan. Shpg. wt., 2 lbs.  
 22 C 3312 X. \$5 Monthly... 19.95



# Money-Saving Automotive Outfits for Tuneup, Repair

## A 3-Piece Repair/Tuneup Kit Outfit

Separately, \$79.85. Big savings on combination offer great for part-time mechanics and hobbyists. Includes: Knight-Kit KG-375A Auto Analyzer Kit; Knight-Kit KG-371 Auto Timing Light Kit; Chilton's 1968 Auto Repair Manual. Auto analyzer makes dozens of measurements—even performs actual road tests. Timing light kit helps produce top power and fuel economy. Chilton's 1968 Auto Repair Manual covers all U. S. cars, 1960-1968. Has detailed step-by-step instructions for every repair and adjustment, easy-to-follow illustrations. Expanded troubleshooting section for easy location of defective elements. Over 1400 pages, plus 3000 illustrations. Kits complete with all parts, solder, assembly instructions. Wt., 20 lbs.  
22 C 0658 13X. \$5 Monthly..... 71.85

## B Top-Performance 4-Piece Kit Outfit

Separately, \$108.80. Quality automotive kit outfit not only provides everything needed for fast, easy tuneups and repairs, but also includes ignition system kit for dramatically improved engine performance, 3 to 10 times longer spark plug life, and up to 20% increase in gas mileage. Includes: Knight-Kit KG-375A Auto Analyzer Kit; Knight-Kit KG-371 Auto Timing Light Kit; KG-372 Capacitive-Discharge Ignition System Kit; Chilton's 1968 Auto Repair Manual. All kits feature dependable solid-state circuits for long-life performance. Ignition system kit installs on present coil without addition or removal of parts, disconnects easily for immediate performance comparisons. Assures fast, sure starts in any weather. 22 lbs.  
22 C 0448 14X. \$5 Monthly..... 94.80

## C Deluxe 6-Piece Repair Kit Outfit

Separately \$87.67. Ideal for serious hobbyists, technicians. Offers more sophisticated troubleshooting, extensive tests and analyses. Includes: Knight-Kit KG-375A Auto Analyzer Kit; Knight-Kit KG-371 Timing Light Kit; Chilton's 1968 Auto Repair Manual; Assembled Compression Tester, Vacuum and Fuel Pump Tester, Remote Starter. Compression tester locates trouble in valves, piston rings, cylinder head gasket. Vacuum and fuel pump tester checks for proper idle adjustment, leaky valves, gas line leakage. Reads up to 30" vacuum, 7 lbs. pressure. Remote starter permits under-the-hood starting for easy one-man testing. Knight-Kits complete with all parts, solder, instructions; other units assembled. 22 lbs.  
22 C 0659 16X. \$5 Monthly..... 75.50

## D Our Finest! 7-Piece Kit Outfit

Separately \$116.62. Our finest automotive kit outfit—complete repair instruments plus capacitive-discharge ignition system kit for top operating performance. Includes: Knight-Kit KG-375A Auto Analyzer Kit; Knight-Kit KG-371 Auto Timing Light Kit; Knight-Kit KG-372 Capacitive-Discharge Ignition System Kit; Chilton's 1968 Auto Repair Manual; Assembled Compression Tester, Vacuum and Fuel Pump Tester, Remote Starter. Auto analyzer and timing light kits permit complete electrical checks and adjustments. Testers check gas lines, valves, pistons, cylinder head gasket. Capacitive-discharge ignition system offers up to 20% increased gas mileage; 3 to 10 times longer spark plug life; reduced engine maintenance. Wt., 26 lbs.  
22 C 0491 17X. \$5 Monthly..... 99.95

Help You  
Keep Your  
Car in Top  
Shape All  
Year 'Round

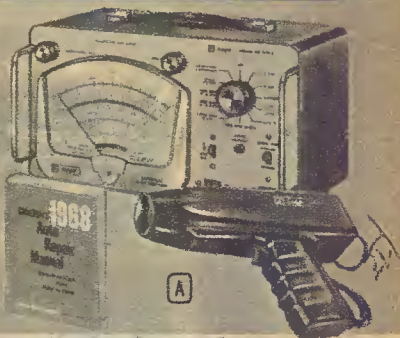


Tuneup, Repair  
Kit Outfit

Save  
\$8.00

\$71.85

\$5 monthly

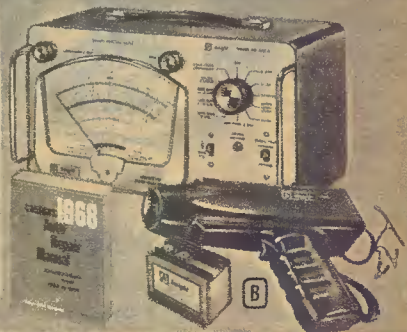


Top-Performance  
Kit Outfit

Save  
\$14.00

\$94.80

\$5 monthly

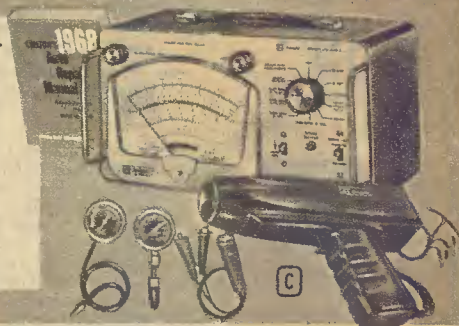


6-Piece Repair  
Kit Outfit

Save  
\$12.17

\$75.50

\$5 monthly

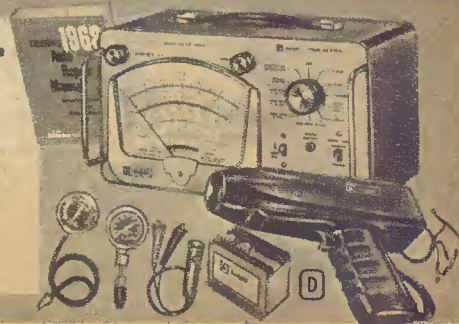


Finest 7-Piece  
Kit Outfit

Save  
\$16.67

\$99.95

\$5 monthly

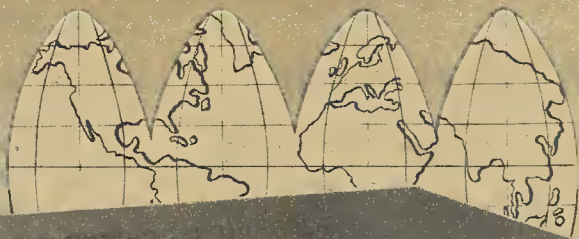


Knight-Kits Are Tops in Performance and Dependability

ALLIED 507



**knight-kit**  
**KITS**  
SHORTWAVE



Thousands Sold for \$44.95  
in Catalog 270

# Star Roamer® 5-Band Shortwave Receiver Kit

New Low Price  
**\$39<sup>95</sup>**  
\$5 monthly

- Covers 200-400 kHz, 550 kHz to 30 MHz in 5 Bands
- Superhet Circuit Features Controlled-Regenerative IF Amplifier for Extra Selectivity
- Electronic Bondspread for Easy Shortwave Tuning

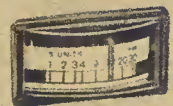
**FIVE BANDSWITCHED TUNING RANGES**  
 Longwave Band..... 200 to 400 kHz  
 AM Broadcast Band..... 550 to 1800 kHz  
 1st Shortwave Band..... 1.8 to 4.8 MHz  
 2nd Shortwave Band..... 4.8 to 12 MHz  
 3rd Shortwave Band..... 12 to 30 MHz



Switchable ANL

Treat yourself to fascinating listening from the capitals of the world! Tune-in the famous cities of Europe, Asia, Africa, North and South America. Hear ship-to-shore signals; set your watch or clock to the exact time given by U.S. government's station WWV in Colorado; get aviation weather reports; tune-in on Coast Guard Loran signals. Listen to Hams, Citizens Banders, Radio-Telephoners—all this *plus* your favorite AM radio programs.

volume when receiving signals of widely different strengths. Automatic Noise Limiter (ANL) cuts static for clear, crisp reception. Antenna trimmer peaks incoming signals. Built-in 4" speaker provides fine sound—front-panel headphone jack allows you to listen with dual headset (below) without disturbing others. Illuminated 7½" slide-rule dial. Code key jack for code practice.



Illuminated "S" Meter

Offers wide coverage of these exciting bands: 200 to 400 kHz Longwave; 550 to 1800 kHz AM Band; 1.8 to 4.8 MHz; 4.8 to 12 MHz, and 12 to 30 MHz Shortwave Bands. 5 band-switched ranges; electronic bandspread control separates crowded bands for best station reception. Illuminated signal-strength meter shows strongest signal for correct tuning. IF sensitivity control helps pick up distant stations and develops beat note for code reception and practice. AVC assures even

The Star Roamer also boasts Knight-Kit's famous ease of assembly—it's an ideal choice for novice kit builders. Includes all parts, with precut, stripped and tinned wire; non-technical instructions with step-by-step assembly procedures and easy-to-follow over-size wiring diagrams. Handsome charcoal gray cabinet, with neatly designed aluminum front panel. Looks smart anywhere. 5½x12½x8". Optional accessories below. For 110-130 volts, 60 Hz AC. From Japan. Shpg. wt. 12 lbs.  
 22 C 3102 X. \$5 Monthly..... 39.95



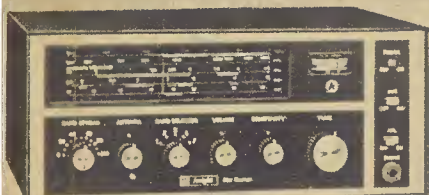
Switchable AVC

**STAR ROAMER ACCESSORIES**

- 22 C 3099 X. Antenna Kit for Outdoor or Attic. Shpg. wt., 1 lb..... 1.39
- 22 C 3257 X. Dual Headset with Cord and Plug. Shpg. wt., 1 lb..... 2.50
- 17 C 6656. Code Practice Key. Shpg. wt., 1 lb..... 2.35

# Star Roamer Outfits

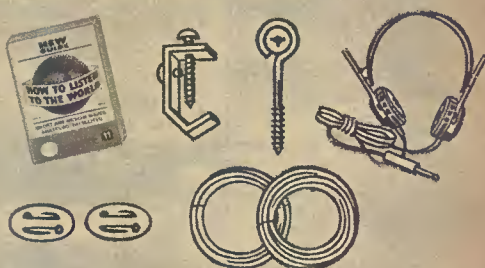
**MONEY-SAVING SHORTWAVE-BROADCAST  
RECEIVER KIT PACKAGES FOR EXCITING  
WORLD-WIDE RADIO LISTENING**



Star Roamer  
Kit, Antenna  
Kit, Dual  
Headset, Code  
Key, 4 Books



Star Roamer  
Kit, Antenna  
Kit, Dual  
Headset, 84-  
Page Book



## Introduction to Amateur Radio Kit Outfit

**\$44<sup>95</sup>**

\$5 monthly

- Includes 4 Informative ARRL Books
- Practice Code Sending with Code Key
- Dual Headset for Private Listening

Complete 8-piece outfit offers an exciting introduction to the fascinating hobby of Amateur Radio. You learn by listening to the Hams themselves! Star Roamer covers 160 through 10-meter Ham Bands. Learn Morse code by listening "on the air"—then practice it using the code key through the rear panel jack on the receiver. Outfit includes: Star Roamer Receiver Kit; Antenna Kit; Dual Headset; Code Practice Key; 4-Book ARRL Set "Gateway to Amateur Radio"—Titles: How to Become a Radio Amateur; Learning the Radio-Telegraph Code; Operating An Amateur Radio Station; Radio Amateur's License Manual. Radio Amateur books are clearly written in non-technical language. Star Roamer kit includes all parts, easy-to-follow step-by-step assembly instructions. 110-130 VAC. *Save \$3.24.*

22 C 0269 15X. Shpg. wt., 16 lbs. \$5 Monthly. . . . . 44.95

## Shortwave Listening Kit Outfit

**\$43<sup>95</sup>**

\$5 monthly

- Guidebook Lists Stations Everywhere
- Antenna Kit for Long-Range Reception
- Dual Headset for Private Listening

Quality 4-piece outfit offers everything needed for exciting shortwave listening. Big 84-page guidebook provides frequency listings of shortwave broadcast stations all over the world, including type of broadcast (music, news, commentary, etc), time schedules, plus useful and interesting information about the hows and whys of shortwave broadcast stations. Antenna kit includes everything necessary for outstanding reception of all available stations. Outfit includes: Star Roamer Receiver Kit; Antenna Kit with 50' Wire, 25' Lead-In, Standoff, Clamp, Insulators; Dual Headset with Cord and Phone Plug; 84-Page Book, "How to Listen to the World." Dual headset allows private listening—lets you have all the volume you want without disturbing others. 110-130 VAC. *Save \$3.39.*

22 C 0268 14X. Shpg. wt., 15 lbs. \$5 Monthly. . . . . 43.95

## Deluxe Shortwave Listening Kit Outfit

**\$52<sup>95</sup>**

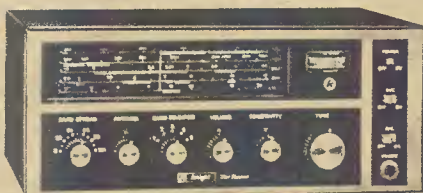
\$5 monthly

- 12" Globe with 10-Color Political Map
- Antenna Kit for Long-Range Reception
- Dual Headset for Private Listening

Perfect for students and beginning electronics hobbyists. Includes: Star Roamer Receiver Kit; Antenna Kit with 50' Wire, 25' Lead-In, Standoff, Clamp, Insulators; Dual Headset with Cord and Phone Plug; 84-page Book, "How to Listen to the World." 12" World Globe. Globe adds a new dimension to your shortwave listening—gives you a good idea where broadcasts originate. Has raised-relief surface; thoroughly detailed 10-color political map; thousands of place names in easy-to-read type. With exciting 32-page "Story of the Globe" booklet. Satin-gold finish base and meridian. Star Roamer for 110-130 VAC. *Save \$4.34.*

22 C 0178 15X. Shpg. wt., 21 lbs. \$5 Monthly. . . . . 52.95

22 C 9502 X. Twelve-inch World Globe Alone. 5 lbs. . . . . 9.95



Use Allied's Credit Fund Plan to Buy All Your Knight-Kit Equipment

ALLIED 509



# knight-kit KITS

VHF RECEIVERS

## Hear Exciting Communications With VHF-FM Monitor Receiver Kits



KG-221A for  
152-174 MHz

**\$49<sup>95</sup>**

\$5 monthly

KG-220 for  
30-50 MHz

**\$44<sup>95</sup>**

\$5 monthly

### FREQUENCY ALLOCATIONS

**KG-221A (152-174 MHz).** Police, fire, CD, forestry, conservation, utilities, Weather Bureau, railroads, taxis, trucks, private mobile telephane.

**KG-220 (30-50 MHz).** Police, fire, CD, forestry, conservation, utilities, industrial highway maintenance crews and control points, radio paging services, private mobile telephane.

Frequency allocations may differ in your area. Check with authorities to determine specific frequencies used by the various services operating in your community.

### KG-221A 152-174 MHz VHF-FM Receiver Kit

Pulls in emergency and other communications. Monitor police calls, fire alarms, civil defense, Weather Bureau, taxis, private mobile radio-telephones in your area. Features RF stage for high sensitivity. Front-end is fully assembled and aligned. Deluxe circuit has two IF stages with ratio detector for top-notch selectivity. Solid-state all-electronic squelch with front-panel control silences receiver between calls. Velvet-smooth vernier tuning. One-watt output circuit and built-in 3x5" speaker for room-filling sound. Front-panel switch selects speaker for headphone reception. Pilot light; volume control; screw terminals for antenna connection. Transformer power supply. Blue metal case, 5<sup>7</sup>/<sub>8</sub>x11<sup>1</sup>/<sub>4</sub>x5<sup>7</sup>/<sub>8</sub>". Charcoal gray and silver panel. With step-by-step instructions. 110-130 V, 60 Hz AC. From Japan. Shpg. wt., 10 lbs.  
22 C 3452 X. \$5 Monthly..... 49.95

**KG-220 30-50 MHz VHF-FM Receiver Kit.** Similar to KG-221A, but for 30-50 MHz and without RF stage. Monitors many of same services; information at left.  
22 C 3311 X. Japan. Shpg. wt., 10 lbs. \$5 Monthly..... 44.95

### KG-221A AND KG-220 SPECIFICATIONS

**FM Tuning Range:** KG-221A, 152 to 174 MHz; KG-220, 30-50 MHz. **Bandwidth:** 100 kHz at 6 dB down. **Sensitivity:** KG-221A, 6  $\mu$ V  $\pm$  5 kHz deviation, KG-220, 10  $\mu$ V at  $\pm$  5 kHz deviation. **Squelch:** solid-state, with variable front-panel control. **Squelch Sensitivity:** opens for signals as small as 5  $\mu$ V. **IF Frequency:** 10.7 MHz. **Number of IF Amplification Stages:** 2. **Active Elements:** 5 vacuum tubes plus transistor for equivalent 8-tube performance; silicon diode rectifier in power supply. **Antenna Impedance:** 50 to 75 ohms. **Power Consumption:** 30 watts, normal.

### KG-221A Outfit



Save \$5.00

**\$57<sup>85</sup>**

\$5 monthly

### Complete VHF-FM Receiver Outfits

**Separately, \$62.85.** KG-221A Receiver Outfit: KG-221A Monitor Receiver Kit; Hy-Gain SPG-2 144-174 MHz 1/4-wave Ground Plane Antenna, for best reception with the KG-221A receiver. 14" high. With mtg. clamp for masts up to 1 1/2" dia.; 50' of RG-8/U Coaxial Cable. For lead-in to receiver from antenna. Shpg. wt., 14 lbs.  
22 C 0653 13X. \$5 Monthly..... 57.85

**Separately, \$65.40.** KG-220 Receiver Outfit: KG-220 Monitor Receiver Kit; Hy-Gain GP-50 30-50 MHz 1/4-Wave Ground Plane Antenna, for best reception with the KG-220. 14" high. Mtg. clamp; 50' RG-8/U Coaxial Cable.  
22 C 0519 13X. Shpg. wt., 18 lbs. \$5 Monthly.... 60.40

### KG-220 Outfit



Save \$5.00

**\$60<sup>40</sup>**

\$5 monthly

510 ALLIED

Your Dollar Buys More with Allied's Own Knight-Kits



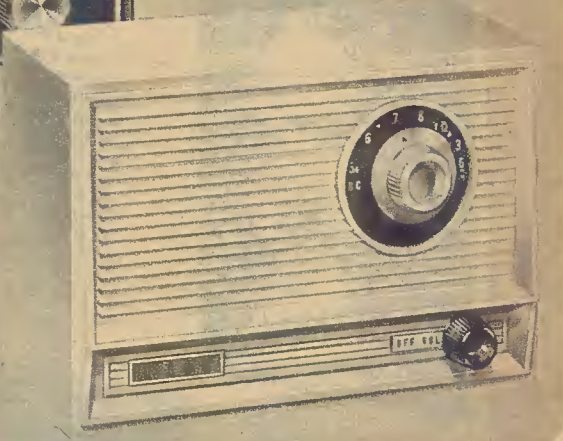


### 3-Band AM/Marine/ SW Receiver Kit

Build your own superhet radio for AM broadcast, 1.5-4.5 MHz marine and 4-12 MHz shortwave. Hear foreign broadcasts, Homs, marine calls.

### Low-Cost AM Table Radio Kit

Fun-to-build radio is excellent for the beginner and the student of electronics. Learn superhet theory as you build.



### 3-Band AM/Marine/Shortwave Receiver Kit Offers You Fascinating Audio Adventures

**\$24<sup>95</sup>**

\$5 monthly

- Sensitive Superhet Circuit
- Calibrated Vernier Dial
- Beat Frequency Oscillator
- Front Panel Headphone Jack

### Build Your Own Full-Feature Superhet AM Table Radio

**\$9<sup>95</sup>**

Value Plus

- Sensitive Superhet Circuit
- AVC Circuit for Steady Volume
- All Parts, Hookup Wire, Solder
- Handsome Ivory Plastic Case

Roam the world and hear the voices from distant lands on the shortwave band. Hear ship-to-shore signals and zero-in on Coast Guard signals and weather reports on the marine band. Or, just enjoy fine listening on the AM band. Your passport to audio adventure is this 3-Band Marine/Shortwave/AM Receiving Kit. Assemble it yourself and enjoy hours of listening pleasure.

Covers 1.5 to 4.5 MHz marine band; 4 to 12 MHz shortwave band; and 540 to 1650 kHz AM band. Sensitive superhet circuit pulls in plenty of stations. Calibrated vernier dial for precise station selection. Beat frequency oscillator provides reception of Amateur code.

Front panel headphone jack for private listening. Pre-punched steel chassis; black crackle finish steel cabinet, 5x9 1/2 x 5 3/4". Four tubes, plus rectifier. With complete step-by-step assembly instructions. Fused. For 110 volts, AC/DC. From Japan. Shpg. wt., 6 lbs.

22 C 9508 X. \$5 Monthly.....24.95

#### SPECIFICATIONS

**Bands:** AM Broadcast, 540-1650 kHz; Marine, 1.5-4.5 MHz; Shortwave, 4-12 MHz.  
**IF Frequency:** 455 kHz **Speaker:** PM type  
**Headphone Output:** Low impedance  
**Antenna Input:** 300 ohms  
**Tube Complement:** 12BEA6, 12BA6, 12AV6, 35C5; 35W4  
**Power Requirements:** 110 volts, AC/DC

Discover the fun of kit-building with this AM table radio kit. Experience the thrill of hearing music, sports, news on a superhet AM radio you have assembled yourself. Low-priced, educational and instructive, this AM radio kit is ideal for beginning hobbyists and electronics students. Brings you all your favorite programs on the standard 540-1600 kHz AM radio broadcast band.

It provides you with a good working knowledge of popular superheterodyne-type radio circuits. Has AVC circuit for constant volume, even when receiving stations of widely different signal strengths. Has ferrite-core antenna to increase sensitivity.

Four tubes, plus rectifier. Handsome ivory plastic case blends well with any decor. 5 1/4 x 7 3/4 x 4". Detailed student manual has step-by-step assembly instructions and illustrations. With all parts, solder, hookup wire. For 110-V, AC/DC. From Japan. Shpg. wt., 3 lbs.

22 C 9524.....9.95

#### SPECIFICATIONS

**Tuning Range:** 540-1600 kHz **Circuit:** Superhet  
**IF Frequency:** 455 kHz **Speaker:** PM type  
**Antenna:** Built-in ferrite-core type  
**Tubes:** 12BE6 converter, 12BA6 IF amplifier, 12AV6 detector-1st audio, 50C5 power tube; 35W4 rectifier  
**Power Requirements:** 110 volts, AC/DC



**knight-kit**  
**KITS**  
 ELECTRONIC LAB



- Includes . . .  
 Dual Headset  
 Photocell  
 Speaker  
 Meter  
 Antenna  
 Transistors  
 and Detailed  
 Instructions

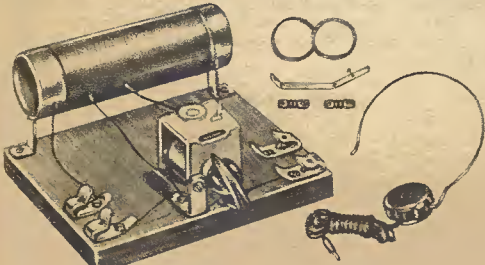
**100-in-1 Electronic Science Lab Kit**  
**Makes Basic Electronics Study Fun for the Whole Family**

Introduce yourself to the wonderful world of electronics with this deluxe 100-in-1 lab kit. Informative, educational, instructive—fun for the whole family. Create exciting, practical projects—build a crystal set radio, code buzzer, transistor radio, audio amplifier, many others—more than one-hundred exciting projects.

No soldering is required—the only tool you'll need is a screwdriver. Assembly and disassembly take just minutes. Once the main parts are mounted on the Master Control panel, all you do to change circuits is rearrange a few wires and parts. Strong, spring-type connectors hold all wires and components firmly in place.

Kit includes all parts for instructive projects—solar-type photocell, meter, tube and transistors, power transformer, dual headset, speaker and antenna. Power transformer isolates AC line for safe operation. Dual headset for private listening with radios and other projects. "S" type meter for accurate readings on meter experiments.

Informative 156-page instruction manual has detailed step-by-step instructions and full illustrations for each project; plus sections on basic electronic principles and how to read schematic diagrams. Lab kit, 8x14½x8". For 110-130 V, 50-60 Hz AC. Shpg. wt., 8 lbs. From Japan.  
 22 C 3997 X. \$5 Monthly. . . . .29.95



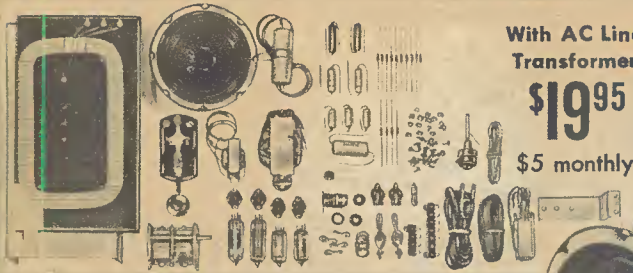
**\$4.95**

With Fixed  
 Crystal,  
 Antenna,  
 Headphone

**Knight-Kit Crystal Radio Outfit**  
 Thousands have started a fascinating electronics hobby with this famous crystal set outfit. Receives local AM radio broadcasts without using batteries or AC power. Pre-set germanium crystal needs no adjustment. Ball-bearing tuning capacitor for easy station selection. It's fun to assemble and offers many hours of listening pleasure. With antenna kit for clear reception, single headphone, solder and instructions. Shpg. wt., 3½ lbs.  
 22 C 0024 X. . . . .4.95



# CONAR "Adventures in Electronics" 10-Project Kit Outfit

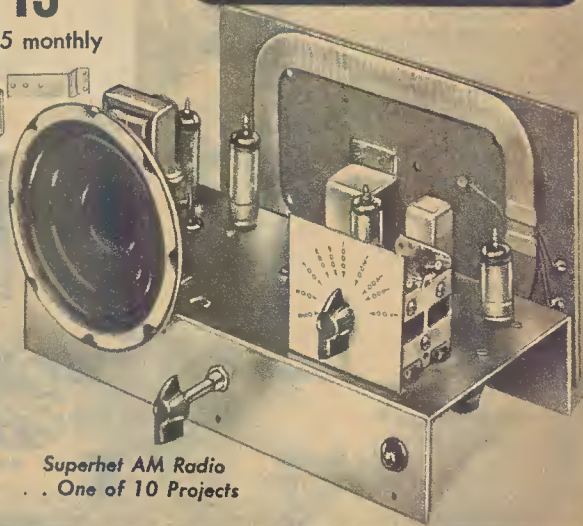


With AC Line  
Transformer  
**\$19<sup>95</sup>**  
\$5 monthly

NEW AT ALLIED  
**KITS**  
ELECTRONIC LABS

## Deluxe 10-Project Kit Outfit

Exciting educational electronics kit outfit for students, beginners, or anyone interested in electronics. Lets you perform ten interesting and rewarding projects while you study the basic applications of important electronic principles. Detailed study book takes you through projects increasing in interest until you reach the final project—an AM broadcast band superhet receiver. Manual also contains a glossary of electronic terms for easy reference. Projects include: signal tracer, radio broadcast station, "secret listener," audio oscillator, audio amplifier, metronome, code practice oscillator, theramin, photoelectric controls, and radio. After mounting basic parts, simply follow the step-by-step instructions for assembling each project. AC line isolation transformer. 5 1/2 x 10 1/2 x 14". For 110-130 V, 60 Hz AC. 22 C 9500 X. Shpg. wt., 6 lbs. \$5 Monthly..... 19.95



Superhet AM Radio  
One of 10 Projects

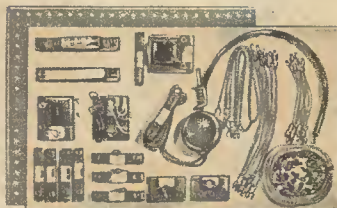
## Exciting Fun-Filled Educational Electronics Kits



### Philmore 10-in-One Electronics Lab Kit

**\$8<sup>88</sup>** 10 Projects,  
"Solar-Powered"

Exciting educational electronics kit lets you build 10 projects using exciting space-age transistors and unique "solar cell" power. Projects include: germanium diode radio; 1-transistor radio; germanium diode and 1-transistor radio; advanced diode and 1-transistor radio; grounded base detector 1-transistor radio; grounded-emitter amplifier; grounded-collector amplifier; radio frequency oscillator; Morse Code practicing set; wireless microphone. Each project has detailed step-by-step assembly instructions; and pictorial diagram showing proper placement of components on breadboard. No soldering required—projects can be assembled and disassembled many times over. With all parts and wires. Shpg. wt., 2 lbs. From Japan. 22 C 9518..... 8.88



### Superex Lab 18 Electronics Lab Kit

**\$11<sup>88</sup>** 18 Projects,  
Battery-Operated

Quality electronics lab kit offers 18 exciting projects sure to arouse the interest of students and hobbyists. Build 18 projects like these: diode radio; solar-powered radio; transistor radio; oscillator circuits; light detectors; code practice oscillator circuits; various types of test equipment. Exclusive Superex full-size pictorial diagrams and point-to-point wiring guide make assembly and disassembly a snap. Instructions are clear and easy-to-follow. Parts are mounted on sturdy peg board. Solderless connections complete each project, all you need is a screwdriver. All projects are safe to build, practical, and they really work. Top quality components are used throughout. With all parts and batteries. Shpg. wt., 3 lbs. 22 C 9542 X..... 11.88



### Superex Lab 35 Deluxe Electronics Lab Kit

**\$21<sup>88</sup>** \$5 35 Advanced  
monthly Projects

For beginners and even advanced students. Offers a thorough grounding in the fascinating world of electronics. Actually a comprehensive electronics lab workshop—takes you through progressively more advanced projects beginning with a simple circuit diode radio and climaxing with an audio-modulated test generator. Actually build: 3-transistor radio; radio broadcast transmitter; solar-powered radio; electronic fire and burglar alarm; driver sleep alarm; test equipment; audio amplifier; much more. No soldering is necessary for assembly. Exclusive Superex full-size pictorial diagrams and easy-to-follow step-by-step assembly instructions make each project easy and fun to build. With batteries. Shpg. wt., 5 lbs. 22 C 9541 X. \$5 Monthly..... 21.88



# Practical and Educational .

Fascinating New Way to  
Study and Enjoy Electronics!

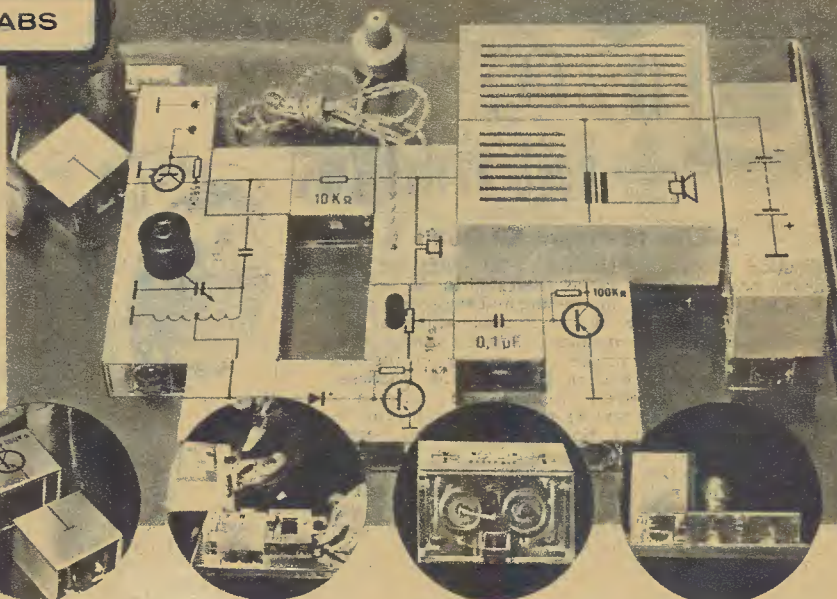
RAYTHEON

# KITS

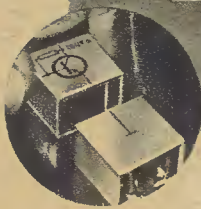
ELECTRONIC LABS

**IT'S FUN, EASY AND  
IT'S EDUCATIONAL**

See-Through Solid-State  
Building Blocks Connect  
Magnetically to Form  
Circuits—No Wiring,  
No Soldering—No Tools  
Needed



Easy-to-Follow  
Instructions



Easy-to-Handle  
Lectron Cubes



Hours of Fun  
For All Ages



Clear Plastic  
See-Thru Cubes



All Projects  
Really Work

### Series 1 Lectron Cube Kit

**\$9<sup>95</sup>**

12 Exciting  
Projects

### Series 2 Lectron Cube Kit

**\$18<sup>95</sup>**

22 Projects . . Series  
1—Plus 10 Others

### Series 3 Lectron Cube Kit

**\$24<sup>95</sup>**

27 Projects . . Series  
1, 2—Plus 5 Others

Delightful new way to learn the principles of electronics. Plastic see-through cubes each contain an electronic component, with its schematic symbol etched on the top. Simply connect the cubes together on the ground plate, matching the symbols with the diagrams in the instruction book! Cubes connect magnetically—no wiring, soldering or tools needed. Build an instant flashlight; audio and Morse code trainer; convert AC to DC current; use water as conductor and insulator; much more—12 experiments in all. 12 cubes, instructions. Order battery at right.  
22 C 9590 X. Wt., 2 lbs. . . . . 9.95

More detailed Lectron cube kit offers 22 fascinating projects. You get all the projects and experiments in Series 1 plus 10 others including: two-transistor radio; electronic organ; sound amplifier; audio or visual Morse Code trainer; electronic rain-moisture indicator; and more. Cubes are fun to use, and make the study of electronics enjoyable. Detailed, 64-page workhook has easy-to-follow schematics for all projects, plus full explanations of circuits. Projects assemble and disassemble easily. 18 cubes. Order battery at right. Shpg. wt., 3½ lbs.  
22 C 9591 X. . . . . 18.95

Offers hours of practical, educational enjoyment while you learn the basic principles of electronics. 27 working projects—all the projects in Series 1 and Series 2, plus: 3-transistor radio receiver with speakers; public address and telephone amplifier; light-modulated audio electronic circuit; night light; more. No tools needed—simply connect the blocks together and watch the circuits as they form. All the projects are fun-to-build, and they really work. Kit contains 21 plastic cubes. Order 9-volt battery below. Shpg. wt., 4 lbs.  
22 C 9592 X. \$5 Monthly. . . . . 24.95  
18 C 5980. Battery, 6 oz. . . . . Pkg. of 2/59¢

### UNGAR Soldering Iron

**\$2<sup>56</sup>**

27-watt iron with "taper tip" designed for the delicate work in printed circuit assemblies. 7½" long. U.L. Listed. 110-120 V, AC-DC.  
22 C 3068 X. Wt., 6 oz. . . . . 2.56  
22 C 3067 X. Extra 7506 Soldering Tip. Shpg. wt., 2 oz. . . . . 1.24



### knight-kit 5-Piece Tool Outfit

**\$5<sup>95</sup>**

Special Low Price on Top-Quality Kit-Building Tools

Contains everything needed for fast, easy assembly of electronic kits. Includes: Ungar 27-watt soldering gun with "taper tip" for easy P.C. work; 5" diagonal wire cutters and 6½" long-nose pliers; two screwdrivers, 3½"x¾" and 4x¾". Pliers are drop-forged from high-grade tool steel and have cushioned grips. Screwdrivers have rustproof nickel-plate finish and unbreakable insulated handles. Soldering gun for 110-120 V, AC or DC. Shpg. wt., 1½ lbs.  
22 C 3070 X. . . . . 5.95



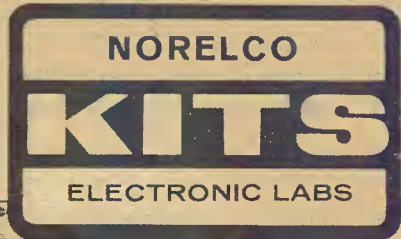
# Quality Electronic Lab Kits

## Model EE20 Solid-State Master Electronics Kit

Build 23 Fun-Filled  
Projects—No Soldering  
or Tools Needed **\$1995**  
\$5 monthly

All-transistor kit makes 23 different projects—all of which show clearly many of the basic principles of electronics. Individual template is provided for each project, making assembly virtually foolproof. Safe, easy assembly, pegboard parts mount with no soldering or tools needed. Make transistor radios, amplifiers, intercom, burglar alarm, electronic organ, code trainer, time switch, rain indicator, much more. Detailed 76-page instruction manual explains every assembly step in easy-to-understand non-technical language, and shows exactly how each circuit operates. Projects are easy to take apart for new projects. Circuits operate on 9-volt battery, listed below.

22 C 9593 X. \$5 Monthly..... 19.95  
18 C 5102. Battery. (Use 1.) 7 oz..... 1.36



## Model RE-2 AM Radio Kit

**\$1795** Build 6 Different Projects  
Using Only a Screwdriver

Exciting electronics kit. You build six projects: 2-transistor radio with earphone and cabinet; 3-transistor radio with speaker; record player amplifier; public address system; code practice oscillator; and radio direction finder. The only tool you use is a screwdriver (supplied), no soldering, wire cutting, etc. Informative, 24-page 2-color instruction manual. Order battery below.

22 C 9594 X. Shpg. wt., 3 1/2 lbs..... 17.95  
18 C 5102. 9-Volt Battery. Wt., 7 oz. (Use 1.)..... Each 1.36

## Model EE1050 Starter Kit

**\$1395** Build Up to 24 Projects  
with Optional Add-On Kits

Exciting basic educational electronics kit—build 12 interesting projects using newest silicon planar transistors. Individual templates for each project; simplified instruction manual. Build amplifier, burglar alarm, nightlight, traffic beacon, 8 more. Add-on kits, battery below.

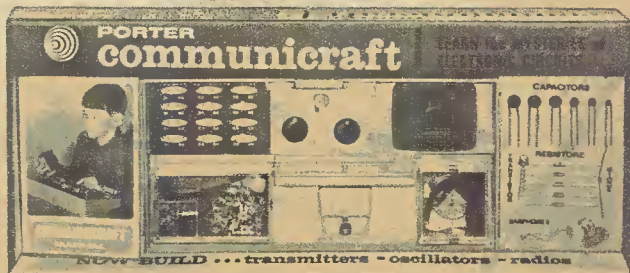
22 C 9595 X. Shpg. wt., 2 1/2 lbs..... 13.95  
22 C 9596 X. EE1051 Add-On Kit. 6 more projects. 2 lbs. 7.95  
22 C 9597 X. EE1052. Add-On Kit. 6 more projects. 2 lbs. 7.95  
18 C 5870. 1 1/2-V. Penlight Batteries. (Use 6.) 2 oz. Pkg. 2/20¢

## PORTER COMMUNICRAFT Educational Communications Lab Kit

Build 12 Projects As You  
Explore the World of Sound **\$1195**

Deluxe communications lab kit introduces you to the wonderful world of sound. Build radio receivers, code oscillators, code transmitters, and voice transmitter—12 projects in all. Kit includes all necessary components—control panel, resistors, transistor and speaker. Informative instruction manual discusses electronic theory in easy-to-understand terms and has complete wiring diagrams for simplified assembly. Order battery below. Shpg. wt., 3 1/2 lbs.

22 C 9559 X..... 11.95  
18 C 5862. "D" Battery. (Use 2.) 10 oz. Pkg. of 2/38¢



Buy an Exciting Educational Kit Today—Use Allied's Credit Fund Plan

ALLIED 515



**knight-kit**  
**KITS**  
 KG-225 INTERCOM

**Deluxe Solid-State Wireless  
 2-Channel Intercom System Kit**

No Special Wiring  
 Required  
 Between Stations

**\$37<sup>90</sup>** \$5  
 monthly

**SOLID STATE**

- No Wiring—Just Plug Into AC Outlets
- Even Talk Between Adjacent Buildings
- Both Are Masters—Both Originate Calls
- Add More Stations as They Are Needed



Model KG-225. Enjoy the convenience of being able to move your intercom stations from place to place, without special wiring between units. Just plug each station into any AC wall outlet. Great for home, office or shop. You can communicate between house and garage or between adjacent homes and buildings, as long as they are on the same AC power-line transformer.

In addition, the KG-225 offers you highly-developed solid-state circuits for clear sound without noise; compact, streamlined styling. Dual frequency (136 and 215 kHz) switch lets you operate two separate, independent systems (4 or more units) simultaneously. Special volume control won't let volume drop below an audible level—prevents missed calls.

Locking position on press-to-talk switch for continuous transmissions. Sea foam green and cream cases, 3<sup>1</sup>/<sub>4</sub>x8<sup>1</sup>/<sub>4</sub>x5<sup>3</sup>/<sub>4</sub>". With all parts, instructions. 110-130 V, 60 Hz AC. Japan.

22 C 0015 L2X. 8 lbs. \$5 Monthly . . . . . 37.90

22 C 3309 X. Extra Station. 4 lbs. . . . . Each 19.95

Three-Station Intercom System Kit. Master stations —all 3 can originate calls. 12 lbs.

22 C 0016 L3X. \$5 Monthly . . . . . 56.85

**NEW**  
 at **ALLIED**



Complete System  
 at Lowest Cost . . .  
 Even Includes  
 Battery and Cable

**Low-Cost 2-Station Intercom Kit**

- Complete
- Master and Remote Stations
  - All Solid-State Circuits
  - Battery-Powered for Use Anywhere
  - High-Impact Plastic Cases

**\$9<sup>95</sup>**

Complete all-transistor 2-station intercom kit at exceptionally low cost. Ideal for baby-minding—sensitive enough to pick up baby sounds in bedroom. Battery-powered—talk between any two places in your home: kitchen to dining room or even house to garage. In office or shop, install on desk or wall.

Easy to operate—just press button to talk, release to listen. Volume control is on Master-station. Circuit permits signal to be sent even if switch is in "off" position on Remote-station.

Attractive high-impact plastic cases, gold-color grilles. Compact, only 3x1<sup>3</sup>/<sub>4</sub>x4". With 9-volt battery, 66-ft. interconnecting wire, plugs. Complete instructions. From Japan.

22 C 9517. Shpg. wt., 2<sup>1</sup>/<sub>2</sub> lbs. . . . . 9.95

# 2-Range Exposure Meter Kit.. So Sensitive It Reads Moonlight

- Precision Honeywell Taut-Band Meter
- Compares to Costly Assembled Meters
- Easy to Assemble in One Evening

**\$19<sup>95</sup>** \$5  
monthly



"... A very sensitive CdS-cell meter that checked out well over a wide range of lighting conditions, and provided a lowest useful reading of f/2 and 15 sec. at ASA 400. ... this kit is an excellent buy." ...  
POPULAR PHOTOGRAPHY

"The completed meter we calibrated and then checked against another super sensitive CdS meter. The Knight-Kit meter performed extremely favorably."  
BETTER HOME MOVIE MAKING

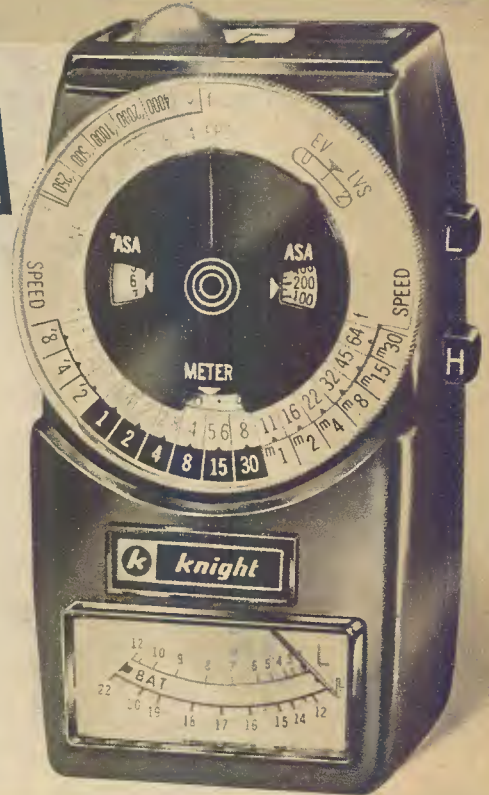
**Model KG-275A.** Amazingly sensitive and accurate CdS (Cadmium sulfide) light meter takes the guesswork out of picture-taking. Precision Honeywell Taut-Band meter withstands hard use, yet gives ultra-accurate readings time after time. So sensitive you get accurate readings even from moonlight. Use indoors or out, for color or black-and-white, stills or movies. Reads reflected light or incident light. Easy-to-read, color-coded scales. Pushbuttons select high and low ranges. Built-in battery tester assures constant accuracy and maximum reliability.

The KG-275A is easy to build, in just one evening. Comes complete with mercury batteries, neck cord, instructions.

- 22 C 3301. Shpg. wt., 1 lb. \$5 Monthly..... 19.95
- 22 C 3186. Deluxe Leather Carrying Case, 6 oz..... 3.95
- 22 C 3069. Soft Leather Carrying Case, 4 oz..... 2.50
- 18 C 5317. Extra Batteries. Uses 2. Wt., 1 oz..... Each 50¢

### SPECIFICATIONS

**Sensitivity:** Low Range, 0.014 to 28 footcandles; High Range, 28 to 28,000 footcandles. **ASA Film Speed Settings:** 6 to 12,000 (1° to 12°). **f/Stop Settings:** 0.5 to 64. **Shutter Settings:** 1/4000 second to 30 minutes. **Cine Settings:** 4 to 128 frames per second. **EV Settings:** -8 to +22. **Optical Acceptance Angle:** 30°. **Color Response:** Peaked at 5600 Angstroms. **Photocell Type:** Cadmium Sulphide. **Overall Size:** 4 1/2 x 2 1/2 x 1 3/8".



## Photography Darkroom Kit with Enlarger



- Complete Darkroom Equipment
- Develop and Print Your Own Photos
- Includes Quality 35mm Enlarger
- Every Accessory You Need

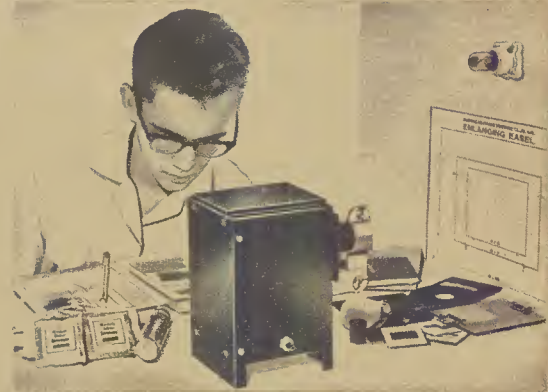
Complete  
**\$12<sup>95</sup>**

Great value for shutterbugs, hobbyists, beginners, candid-cameramen. Money-saving Photography Lab Kit contains everything you need to develop and print your own black-and-white photos with quality comparable to professional labs. Makes it easy and fun to set up your own darkroom.

Features a versatile 35mm Horizontal-Type Enlarger with twin condensing lenses and 3' focal length projection lens. Produces quality enlargements up to 8x10". Contact Print Frame takes negatives up to 3 1/2 x 4 1/4", turns out bright and clear standard-size prints.

Darkroom Kit also includes: Three Plastic Developing Trays, Tray Thermometer, Developing Chemicals, Film Clips, Neon Safelight, Printing and Enlarging Paper, Comprehensive Darkroom Handbook and complete instructions for each processing step. Shpg. wt., 4 lbs.

- 22 C 9522 X..... 12.95



Allied Is America's Headquarters for Everything in Kits

ALLIED 517



**knight-kit**  
**KITS**  
 MUSICAL

**New! Electronic Organ Kit**



Makes Music in 14 Distinct Voices, Usable Singly or in Any Combination

Plays, and Fully Reproduces, Bass Down to 32.7 Hz, Three Octaves Below Middle C

93-Transistor Circuit, 25-Watt rms Sine Wave Output

12" Bass Speaker, 6x9" Treble Speaker, Crossover

Sanded, Walnut-Veneer Console and Bench

Manufactured for Knight-Kit by Schober—The Leader in Electronic Organ Kits

Complete

**\$599<sup>50</sup>** With Bench

\$25 monthly

**SPECIFICATIONS**

**Keyboards.** *Upper Manual:* 36 notes, F<sub>2</sub> thru E<sub>3</sub>. *Lower Manual:* 29 notes, C<sub>3</sub> thru E<sub>3</sub>. *Both Manuals:* 41 notes, C<sub>3</sub> thru E<sub>3</sub> (8' pitches). *Pedal Clavier:* 13 notes, C<sub>1</sub> thru B<sub>1</sub> (16' pitch).

**Voices.** *Upper Manual:* diapason, vox humana, string, french horn, oboe, tibia, cello, saxophone, tuba, trumpet. *Lower Manual:* dulciana, diapason, flute, horn.

**Controls.** 14 colored, illuminated voice selection tablets. Pedal volume, vibrato knobs. Illuminated on-off switch.

**Sound Production.** *Amplifier:* solid-state. 25-watts rms sine wave power; 39-watts music; 78-watts peak power. Connection for external amplifier and/or speaker system. *Power Requirements:* 100-120 V, 50-60 Hz AC.

**Knight-Kit KG-388 Spinet Organ Kit by Schober**

For the first time—an electronic organ for popular or church music that's small enough to fit into any room, and priced low enough to fit any budget. Assembly is amazingly simple because 98% of the wiring is on 14 printed circuit boards numbered for easy component placement. Step-by-step, non-technical instructions and giant illustrations included for successful assembly, without prior experience.

Voices are selected by pressing the tablets spread across the organ. They light up when in use, so you can see instantly how the instrument is set up. Built-in spring-type reverberator conquers "dead" acoustics of the usual room, making each note linger gracefully.

The KG-388 is a true spinet organ. Manual ranges overlap, but lower manual goes lower for accompaniment and upper manual goes higher for melody—each keyboard has right pitches for its purpose.

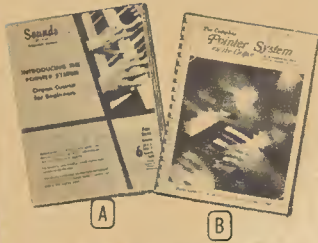
Pedals produce one complete octave starting from three octaves below middle C. Deep, rich vibrato is fully controllable. Expression pedal (swell shoe) gives instant-to-instant volume control.

Console and bench are ready to assemble (screws and glue included), and ready to finish (order oil finishing kit separately below; wood also suitable for other finishing methods). Size, 34x38x22<sup>3</sup>/<sub>4</sub>". Solder is included, plus the Schober "How to Solder" instruction kit. (All electronic parts must be soldered with iron sold on facing page—no other soldering iron is satisfactory.) Assembly time: About 50 hours. Shpd. by truck or express from N.Y. Shpg. wt., 140 lbs.

- 22 C 3329 ZF. Complete Organ Kit, \$25 Monthly.....599.50
- 22 C 9588. Oil Finishing Kit, Shpg. wt., 2 lbs.....4.95
- 22 C 9589. Demonstration Record. Shpg. wt., 8 oz.....50¢



**Pointer System  
Electronic Organ Books**



**A Organ Instruction Book**

"Introducing the Pointer System for the Organ." Note values, signatures, reading, other beginning topics are covered. Includes 20 easy-to-play tunes. With pointer system keyboard and pedal guides, 6 LP records explaining the system.  
22 C 9567. 2 lbs. . . . . 4.95

**B 6-in-1 Pointer System Book**

Six-books-in-one explain general music theory and organ instruction. Includes basic keyboard information; sharps and flats; basic rhythm; scales; harmony; professional styling. With lesson plans, outlines, and teacher tips.  
22 C 9568. 2 lbs. . . . . 7.95

**Electric Organ  
Autotuner Kit**

**\$34<sup>00</sup>**

\$5 monthly

Perfect  
Tuning for  
Amateurs



The Autotuner is a stroboscopic device used for fastest and most accurate organ tuning. No natural "ear" or talent is necessary. For Baldwin, Thomas, Lowrey, Wurlitzer, Conn, most combo organs, others. Not necessary for the KG-388 on facing page (tuning method is included). Assemble with solder and iron below—no other is satisfactory. 117 VAC.  
22 C 9573 X. 4 1/2 lbs. . . . 34.00  
22 C 9574 X. Assembled. . . 48.00

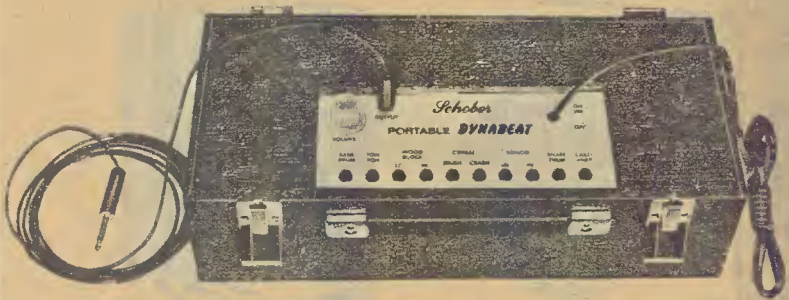
**Ungar Soldering Iron**

(Not illus.) For use in assembling all electronic kits on these two pages. Ungar #776 handle, #1235 element, #PL333 tip. Use for all PC work. For 110-120 V, 60 Hz AC.  
22 C 3166. 1 lb. . . . . 3.50

**Ersin Multicore Solder**

(Not illus.) 1-pound 60/40, No. 16 wire gauge.  
26 C 1730. 1 3/4 lbs. . . . . 3.34

**Electronic  
Musical  
Instruments**



**Professional Portable Dynabeat Kit**

**\$139<sup>50</sup>**

\$7 monthly

- Big-Beot Sounds:**  
Boss Drum . . Snare  
Drum . . Cymbal . .  
Wood Blocks . .  
Bongo Drums . .  
Tom-Toms . . Costo-  
nets . . More!

Dynabeat kit produces all the musical rhythm percussive sounds of today. A must for modern combos! Sounds: bass drum, with real boom; snare drum, both rim shots and roll; cymbal, brushes or high-hat sound; wood blocks, one high and one low; bongo drums, one high and one low; tom-tom, doubles as a conga drum; castanets, with two different sounds. Play them singly or in combinations of two or more at a time, just tap selector buttons in time to the music. Dynabeat plugs into any handy guitar, PA or home amplifier. Console has ten buttons, volume control, illuminated on-off switch. With all parts, amplifier connector cable, instructions. (Order solder and soldering iron listed below left—no other soldering equipment is satisfactory.) 6 3/4 x 15 3/4 x 6 3/4". For 100-120 V, 50-60 Hz AC.  
22 C 9571 X. Shpg. wt., 6 lbs. \$7 Monthly. . . . . 139.50  
22 C 9572 X. Assembled Dynabeat. 6 lbs. \$9 Monthly. 169.50



**Professional Portable Tunesmith Kit**

**\$149<sup>50</sup>**

\$8 monthly

- Plays Single-Note  
Melodies with Spe-  
cial Vibrato Effects,  
approximating: Viol-  
lin . . Cello . . Oboe  
. . Trumpet . . Orgon-  
Flute . . Saxophone**

The Tunesmith is a small carrying case full of melody. Its 32-pitch, one-note-at-a-time keyboard ranges from F below middle C to two octaves above middle C. Controls achieve the instantaneous expression available to any instrumentalist. Vibrato control is continuously variable, from no vibrato (clear, unwavering tone) to the smoothest full vibrato needed (real vibrato—a true variation in pitch, not simply a volume change found with most tremolo instruments). Vibrato speed switch. Tuning knob raises or lowers range of entire instrument about 1/2 tone. Voice selection knob; volume knob. Plays thru any guitar, PA, or home music amplifier. All parts, cloth-covered wood case, 12' amp cable included. (Order solder and gun sold at left—no other is satisfactory.) 4 3/4 x 27 1/4 x 8 3/4". 117 VAC.  
22 C 9569 X. Shpg. wt., 14 lbs. \$8 Monthly. . . . . 149.50  
22 C 9570 X. Assembled Tunesmith. 14 lbs. \$10 Monthly. 189.50

Send No Money for 30 Days—Take Up To Two Years To Pay

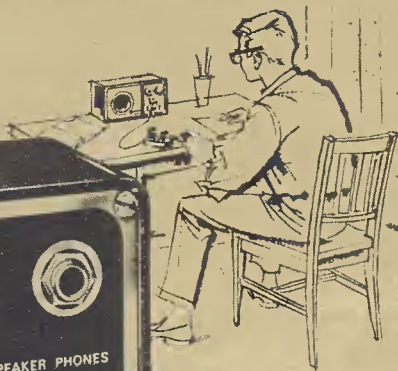
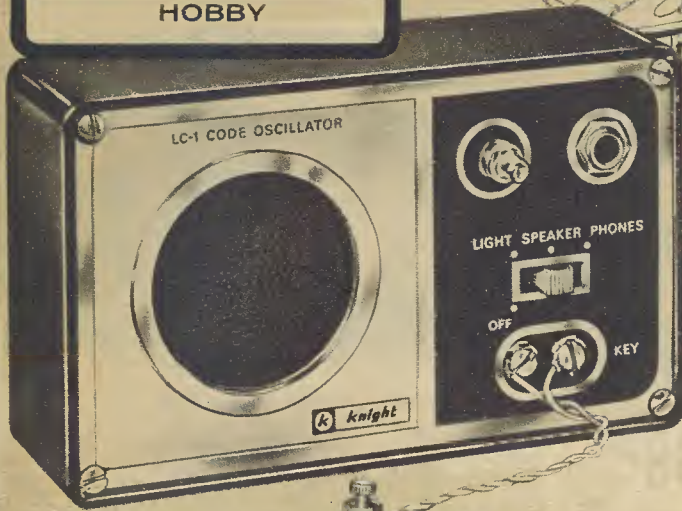
ALLIED 519



# knight-kit KITS

HOBBY

## Learn Morse Code with a Knight-Kit



LC-1 Code  
Practice  
Oscillator  
Kit

**\$795**

With Hand Key  
and Battery

Take the first step toward earning your Amateur Radio license with this portable code practice kit. Makes learning International Morse Code as easy as possible. It's the ideal kit for aspiring Amateurs, Scouts, students, hobbyists. Adjustable hand key gives you the "feel" of on-the-air operation at the very beginning.

You learn fast as you listen to the clear tone from the built-in speaker, or watch the built-in flasher. For private operation, just plug headset (below) into the front-panel jack. Assembly is a breeze, thanks to Knight-Kit's well-illustrated, step-by-step instructions.

Two-transistor circuit uses 1½-volt "C" flashlight battery for power. Black bakelite case, aluminum panel, gray trim. 2x 6¼x3¾". With all parts, solder, key and battery. Japan.  
22 C 3432 X. Wt., 2 lbs. . . . . 7.95  
22 C 3257 X. Headset. Wt., 1 lb. . . . . 2.50

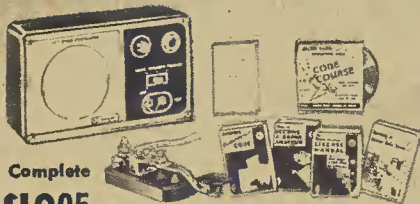


**\$1195**



### LC-1 and Code Course Record

Includes: Knight-Kit LC-1 Code Practice Oscillator Kit, Battery and Key plus Allied's 10-Lesson Code Course, Complete on one 12" 33⅓-rpm Record. Makes code so easy to learn—starts slow, goes to 15 words per minute. 20-page manual.  
22 C 0326 12X. Wt., 3 lbs. . . . . 11.95



Complete  
**\$1395**

### LC-1, Code Course and 4 Books

Code practice package includes: Knight-Kit LC-1 Code Practice Oscillator Kit, Battery, Key, 10-Lesson Course on 12" Record, plus Four A.R.R.L. Books. Gives a full introduction to the world of Ham radio. *How to become a Radio Amateur*; *Learning the Radio-Telegraph Code*; *Radio Amateur License Manual*; *Operating An Amateur Radio Station*. Instruction manual.  
22 C 0327 13X. Wt., 4 lbs. . . . . 13.95

## Photoelectronic Relay Kit

**\$1795**

So Sensitive It  
Responds to Just  
a Glimmer of Light



Light-controlled switching device turns lights on and off; opens doors; counts; acts as warning alarm. Activated by auto headlights, flashlight, daylight, or Light Source Kit below. Selectable operation: "Trip" gives continuous alarm; "Auto" operates relay each time beam is broken. Sensitive cadmium-selenide photocell; to 600 counts per minute. 4x3x5". Instructions. For 110-130 V, 60 Hz AC. Shpg. wt., 3 lbs.  
22 C 3702 X. . . . . 17.95

Light-Source Kit. Operates to 250'.  
22 C 3703 X. Wt., 5 lbs. . . . . 9.95  
22 C 3007 X. Chime. 2 lbs. . . . . 5.95  
22 C 3025 X. Counter. 6 oz. . . . . 3.20  
Mollory Audible Warning Device.  
60 C 8985. Wt., 1 lb. . . . . 8.75

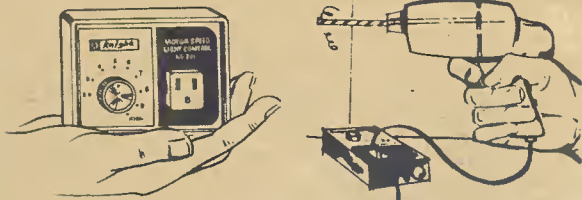


"Intruder"  
Alarm  
**\$3595**

### "Intruder" Alarm Outfit

Protects against prowlers; helps keep home, shop or office safe. Consists of: Knight-Kit Photoelectronic Relay Kit, Light-Source Kit with Red Filter, Mollory Sonolert Audible Warning Device. Gives 2.5-kHz warning signal. 9 lbs.  
22 C 0529 13X. \$5 Monthly . . . 35.95

# Electronic Motor Speed Control Kit



## Versatile KG-201 Solid-State Motor Speed/Light Control Kit

**\$9<sup>95</sup>**

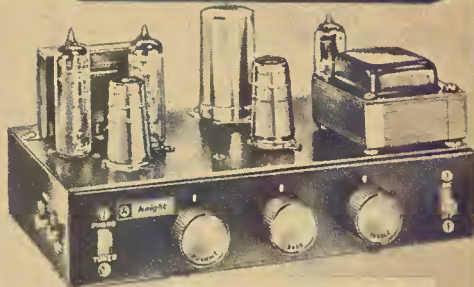
- Controls Speeds of Portable Power Tools
- Varies Brightness of Incandescent Lamps
- Controls Appliances with Heating Elements
- Fully Protected by Thermal Circuit Breaker

Gives you the right power tool speed for the job, every time. Outperforms many factory assembled controls costing much more. Ideal for sewing machines, blenders, lathes; great for portable drills, saws, sanders, grinders, other tools with universal AC-DC motors. Reduces speed of rotary sander or buffer for better control over fine finishing. Perfect for working on hard materials or in tight corners. Helps you drill through steel, drill plastic without gumming, stir paint, drive screws with ordinary drill. Virtually no loss of torque, even at slowest speeds.

Also usable with soldering iron (not with transformer-type guns) to limit heat for protection of semiconductors and other delicate components. Controls brightness of incandescent lamps and photographic floodlights, too. Also for heating pads, coffee makers, toasters, and appliances with heating elements.

Solid-state circuit uses silicon-controlled rectifier and two diodes. Calibrated control adjusts output. In full "on" position, appliance runs at normal speed. For any universal-wound AC-DC motor-driven device with nameplate rating of 7.5 amps or less. For resistive loads to 900 watts, incandescent lamps to 500 watts. Handles 10-amp surges. (Not for AC-only motors, but works with most DC-only motors.) Fully protected by thermal circuit breaker. Output receptacle and 6-ft. power cord are 3-wire grounded type. Rectifier is pre-mounted on heat sink.

Compact case, only 2 7/8x4x1 1/2", fits anywhere. With all parts, solder, detailed easy-to-follow instructions for assembly in a few hours. For 110-130 V, 50-60 Hz AC.  
22 C 3335 X. Shpg. wt., 2 lbs.....**9.95**



Complete Kit

**\$22<sup>50</sup>** less cover

\$5 monthly



Shown with metal cover

## KM-15 Monaural Hi-Fi Amplifier Kit with 14-Watt IHF Output

- Equalized Input for Magnetic Cartridge
- Push-Pull Output—Premium EL-84 Tubes
- Separate Bass and Treble Tone Controls

Truly versatile, low-cost amplifier kit is ideal as the "heart" of an inexpensive home music system, or as an "add-on" second channel to convert your present system to quality stereo. Expertly engineered, the KM-15 boasts push-pull output for smooth, clean response over the entire audio range, with hum and noise reduced to the vanishing point. Built-in equalized preamp for use with magnetic phono cartridge. High-level input for tuner or ceramic cartridge. Has 3 operating controls: Volume, Bass, Treble; two switches: Phono-Tuner, On-Off. 5x9 1/2x6". Jet black chassis. Detailed instructions. Optional cover below. For 110-130 V, 60 Hz AC. From Japan. Shpg. wt., 8 lbs.

22 C 3784 X. \$5 Monthly.....**22.50**  
Metal Cover. Gray with chromed trim.  
22 C 3783 X. Wt., 2 lbs.....**4.50**

### SPECIFICATIONS

**Power Output:** 14 watts IHF music power.  
**Freq. Response:** ±1.5 dB, 30-15,000 Hz.  
**Harmonic Distortion:** Less than 1% at 12 watts, at 1 kHz (Tuner input).  
**Hum and Noise:** More than 65 dB below 12 watts, referred to 1-V Tuner input. More than 45 dB, 10 mV phono input.  
**Sensitivity:** 5 mV phono, for 12 watts.  
**Controls:** Bass: 9 dB boost or cut at 40 Hz. Treble: 9 dB boost or cut at 10 kHz.  
**Output Impedances:** 4, 8, and 16 ohms.

**Knight-Kits Are First in Buildability and Performance**

**ALLIED 521**



SELECTED VALUES  
**KITS**  
 HOBBY

# Top Quality Electronic Kits

EASY-TO-BUILD . . PRACTICAL . . FUN-TO-USE



**\$6<sup>95</sup>**

### Value-Priced Stereo Headphone Kit

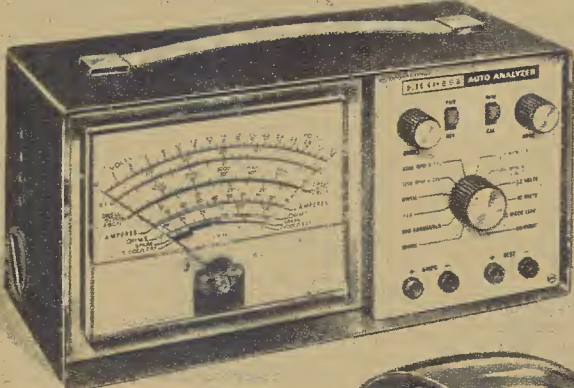
Amazing low price for stereo headphones of this quality. Full-fidelity headphone kit reproduces stereo with excellent realism and response. Large earcushions seal out room noises, a real aid when listening to soft musical passages. Provides fully private listening; lets you have all the volume you want without disturbing others. Adjustable headband and padded earcushions for maximum comfort. So light in weight, you hardly know you're wearing them. Response, 20-20,000 Hz. With 6-ft. cord, standard 1/4" phone plug that fits most stereo amplifiers and receivers. With fully detailed assembly instructions. Japan.  
 22 C 9550. Shpg. wt., 2 lbs. . . . . **6.95**



**\$5<sup>88</sup>**

### Universal High-Intensity Lamp Kit

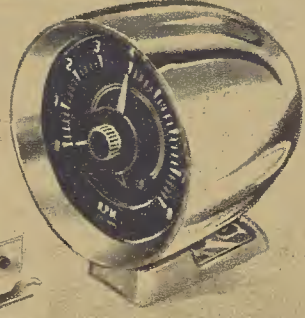
Provides bright, clear light when and where you need it—great for studying, doing close work, or just reading. Non-glaring light is equivalent to 150-watt incandescent bulb. Folding arm for compact storage. Hi-Lo-Off switch lets you select just the light you need. Handsome mar-proof wood-grain finish; double shade; deluxe rosewood inlay base for a real decorator's touch. Beige color. With easy-to-follow instructions for fast, easy assembly in just a few hours. With one #93 bulb, order extra bulbs below. For 110-130 V, 60 Hz AC. Shpg. wt., 2 lbs.  
 22 C 9501. . . . . **5.88**  
 26 C 3147. #93 Replacement Bulbs. 2 oz. . . . . Pkg. of 2 for 49¢



### Eico Solid-State Auto Analyzer Kit

Model 888. Portable solid-state auto analyzer for fast, easy tuneups and troubleshooting. Checks generators, alternators, voltage regulators, alternator diodes, starter, starter solenoid, all electrical wiring, much more—makes over 30 tests. 6" D'Arsonval-meter has scales for engine rpm, dwell angle, voltage, current, resistance, spark output and leakage. Single, 12-position function switch; calibrate and adjust controls for engine rpm and ohms. Rugged metal case, 5 3/4 x 11 1/2 x 5". Instruction and "How-to-Use" manual. For 6 or 12-volt systems, 4, 6, 8-cylinder engines. With 4 batteries, test leads, all cables, 6 lbs.  
 22 C 3650 X. \$5 Monthly. . . . . **49.95**  
 18 C 5781. Extra "D" Batteries, 10 oz. Pkg. 2 for 33¢

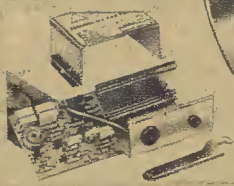
**\$49<sup>95</sup>** \$5 monthly



### Delta Computer-Tachometer Kit

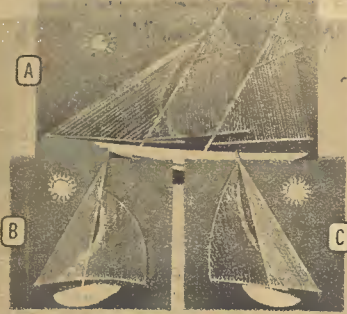
Deluxe Computach® engine speed indicator works with any 12-volt ignition system. Has solid-state computer assuring you of 1% full scale accuracy from 0-8000 rpm. Easy-to-read illuminated meter. Features extensive filtering circuit, voltage and temperature stabilization throughout for top performance under all operating conditions. Meter has chrome-plated die-cast housing, 3 1/2" long by 3 1/8" diameter. Easy-to-read meter has red set pointer, wide angle sweep, zero parallax. Computer unit is 1 3/4 x 2 3/4 x 3 3/8" deep. All-angle ball and socket mounting. With easy-to-follow step-by-step assembly instructions, all leads, and cables. Shpg. wt., 3 lbs.  
 22 C 9558. \$5 Monthly. . . . . **28.95**

**\$28<sup>95</sup>**  
 \$5 monthly



# Fascinating Hobby Kits

BRING HOURS OF FUN AND ENJOYMENT



**Hummingbird String Decor Kits**

Multi-colored 3-dimensional wall panels. Strings connect to white plastic hull and masts on avocado-green fine-weave burlap. No glue, frames or paint needed. (A) Schooner America, 22x15". (B) Running Before the Wind, 15x11". (C) Billowing Spinnaker, 15x11". 4 $\frac{3}{4}$  lbs. 22 C 0065 13X... Set of Three 12.88



**\$24<sup>95</sup> Rock Polishing Kit**

Includes everything needed to put high polish on rocks, agates, etc. 1 rock tumbler; 2 lbs. agates; 2 can liners; 2 pkgs. coarse grit; 2 pkgs. fine grit; 2 pkgs. pre-polish; 2 pkgs. polish grit. Tumbler has motor, belt drive; takes to 1 gallon can. 7x11x 8 $\frac{1}{2}$ ". 115 VAC. Wt., 13 lbs. 22 C 3651 X. \$5 Monthly..... 24.95



**\$4<sup>95</sup> Eldon "Sculpt-Art" Kit**

Sculpt and finish your own designs on styrofoam plaques. Safe, low-heat sculpting tool. Includes: U.L. Listed tool. 2 tips; chisel; fine point; 12x12x  $\frac{3}{4}$ " styrofoam plaques; 4x4" practice block; paints; brush; full instructions. 25x12 $\frac{1}{2}$ x3". For 110-130 VAC. Shpg. wt., 3 lbs. 22 C 9504 X..... 4.95

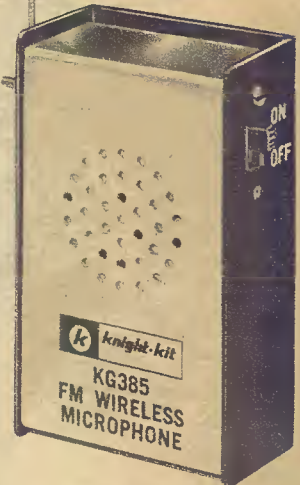


**\$4<sup>95</sup> Eldon Woodburning Kit**

"Design-A-Matic" woodburning kit with electric pencil and five tips. Match tips to wood blocks for attractive designs. Special wrench removes tips even when hot. Pencil has cork handle, 6-ft. cord. With 11 pieces of wood, instructions. 24 $\frac{3}{8}$ x 12 $\frac{1}{2}$ x2". 110 VAC. 3 lbs. 22 C 9503 X..... 4.95

SELECTED VALUES  
**KITS**  
HOBBY

**knight-kit Wireless FM Microphone Kit**



**KG-385 \$8<sup>88</sup>**

- No Larger Than a Pack of Cigarettes
- Works with Standard FM Radio or Tuner
- Solid-State Circuit

New wireless FM microphone kit is a delight to build and use. No larger than a pack of cigarettes—it's actually a pocket-size FM transmitter that permits you to broadcast your voice, music, or any audio signal through an FM radio or tuner. Broadcasts up to 50 feet—no need for interconnecting wires or cable.

Broadcasts at vacant frequency on FM band (90-100 MHz). Dependable transistorized circuit for long life. Can also be used as an intercom—transmit switch can be left on for remote listening; baby sitting; room-to-room use. Has front panel transmit switch. No license or age limitations.

Pre-drilled anodized aluminum case for fast, simplified assembly. Includes all parts, wire, solder. Easy to follow step-by-step assembly instructions, oversize wiring diagrams, illustrations. 3 $\frac{1}{2}$ x2 $\frac{1}{2}$ x1". Order 9-volt battery below. 22 C 9505. Wt., 3 lbs..... 8.88  
18 C 5980. Battery, 6 oz. . . 2 for 59¢



**\$3<sup>95</sup> "Sure-Sculpt" Sculpt Kit**

Pre-formed armature covers main features of head—you fill in the details with clay. Do likenesses of friends, family. Contains enough self-hardening clay for an average head. Also sculpture tools, tube of patina for bronze effect, full instructions. Wt., 3 lbs. 22 C 9519..... 3.95



**\$19<sup>95</sup> Sculpture Studio Kit**

Complete sculpting outfit includes two head armature forms; self hardening clay; clay stone; wood stone; and bronze stone; revolving model stand; tube of patina coloring; eight working tools; full instructions. Permits even novices to create authentic sculptures. 22 C 9516 X. 27 lbs. \$5 Mo. . . 19.95

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# EICO KITS HOBBY

## Eicocraft Solid-State Kits

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Science Fair  
Projects!

EXCITING NEW CONCEPT  
IN EASY-TO-BUILD KITS

Low \$4.95  
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- Solid-State Circuits
- Comprehensive Step-by-Step Instructions
- No Technical Knowledge or Experience Necessary
- Pre-Drilled, Copper-Plated and Etched Printed Circuit Boards

Here's an exciting selection of easy-to-assemble electronic kits at really low prices. These kits are perfect as an introduction to the fascinating field of electronics, for hobbyists or for learning kit-building. Each kit has a useful application. All are supplied with professional parts and copper-etched printed circuit board. Easy-to-follow step-by-step instructions are included.

### Electronic Siren Kit

EC100. Emits penetrating, attention-getting wail—ideal for use as a burglar alarm in auto, home or office. Also can be used to create realistic sound effects for scale model cars, etc. Use with A, B, and D listed at right.  $5\frac{1}{2} \times 8\frac{1}{2} \times 1\frac{1}{2}$ ". Wt., 8 oz.  
22 C 9577..... 4.95

### Electronic Intercom Kit

EC200. Keep in touch anywhere in the home. Ideal for baby-sitting, room-to-room communications. Use with A, two B and two D for basic two-way system. Use one additional B and D for each station; set up as many stations as desired.  $5\frac{1}{2} \times 8\frac{1}{2} \times 1\frac{1}{2}$ ". 8 oz.  
22 C 9578..... 5.95

### Audio Power Amplifier Kit

EC300. Versatile audio power amplifier has full two-watt output. Takes microphone, phono cartridge, radio, recorder, other high-level inputs. Use 2 for stereo. Also ideal for small PA or hailing system. Use A and B listed at right.  $5\frac{1}{2} \times 8\frac{1}{2} \times 1\frac{1}{2}$ ". Wt., 8 oz.  
22 C 9579..... 5.95

### Electronic Tremolo Kit

EC500. Gives your amplified musical instrument (bass, guitar, etc.) a professional sound. Sets to desired speed and intensity without disturbing other amplifier wiring. Use with A and C at right, phone jacks (optional).  $5\frac{1}{2} \times 8\frac{1}{2} \times 1\frac{1}{2}$ ". Shpg. wt., 8 oz.  
22 C 9580..... 9.95

### "Treasure Finder" Kit

EC1900. Beat-frequency metal locator kit can be used to detect coins, pipes any metal objects over a wide area. Audible frequency changes tone in presence of metal. Consists of two RF oscillators and search loop. Use with D and E at right.  $5\frac{1}{2} \times 8\frac{1}{2} \times 1\frac{1}{2}$ ".  
22 C 9581. Shpg. wt., 8 oz..... 9.95

### AC Power Supply Kit

EC900. Transformer-operated 6 VDC power supply can be used to convert all Eicocraft kits using 6-volt battery to AC use. Uses full-wave bridge rectifier and high capacity filtering, 110-125 VAC. Requires on-off switch (D) at right.  $5\frac{1}{2} \times 8\frac{1}{2} \times 1\frac{1}{2}$ ". Wt., 8 oz.  
22 C 9582..... 8.95

### Electronic Organ Kit

EC2000. Produces 8 organ tones by means of a twin-T oscillator and selected potentiometers. Has outputs for "deep," "full," and "bright" tones. Use with Eicocraft EC300 audio amplifier or any other amplifier. Use A and D at right.  $5\frac{1}{2} \times 8\frac{1}{2} \times 1\frac{1}{2}$ ". 8 oz.  
22 C 9583..... 9.95

### Voice-Operated Switch Kit

EC1300. Audio activated relay amplifier—permits audio remote-control of radio, TV, tape recorder, any remote-operated device. Ideal as voice control, can also be activated by musical instruments, whistles, etc. Use with A at right.  $5\frac{1}{2} \times 8\frac{1}{2} \times 1\frac{1}{2}$ ". Wt., 8 oz.  
22 C 9584..... 8.95

### FM Radio Kit

EC1400. Covers 88-108 MH FM broadcast band. Can be used with earphone (supplied) for private listening; or as FM tuner with amplifier (EC-300). Use E below.  $5\frac{1}{2} \times 8\frac{1}{2} \times 1\frac{1}{2}$ ".  
22 C 9585. Shpg. wt., 8 oz..... 9.95

### AM Radio Kit

EC1500. Tunes favorite programs on the AM broadcast band (550-1600 kHz). Use as personal radio (with earphone), or as an AM tuner with EC300 amplifier. Use A or E below.  $5\frac{1}{2} \times 8\frac{1}{2} \times 1\frac{1}{2}$ ". Wt., 4 oz.  
22 C 9586..... 8.95

### Electronic Bongos Kit

EC1600. Electronically produces exciting percussive sounds of bongos, toms, bass-drum, marimbas, etc. Use with any amplifier or speaker; also requires E below.  $5\frac{1}{2} \times 8\frac{1}{2} \times 1\frac{1}{2}$ ". 8 oz.  
22 C 9587..... 7.95

### Eicocraft Kit Accessories

- A Type 510S 6-Volt Lantern Battery. Has binding posts.  $1\frac{1}{2}$  lbs. 18 C 5085..... 92¢
- B 3.2-Ohm Speaker. Quality 4" speaker for fine sound. 8 oz. 16 C 3476..... 1.59
- C Type G361 3PDT Switch. 3-pole double throw switch. 2 oz. 56 C 5918..... 48¢
- D Type G124 SPST Switch. For on-off control, other uses. 2 oz. 56 C 5034..... 32¢
- E Knight 9-Volt Battery. Top-quality, American made. 6 oz. 18 C 5980..... Pkg. of 2 for 59¢

# Solid-State "MOD-U-KITS"



- ✓ Top-Quality Circuit Components for Complete Reliability
- ✓ Simplified Circuits Utilize Color-Coded Semiconductors
- ✓ Fun-to-Use—Demonstrate Important Electronic Principles
- ✓ Full Circuit Diagrams and Easy-to-Follow Instructions
- ✓ Educational, Instructive—Ideal for Students, Hobbyists

## Aircraft Receiver Kit

AIR-3. Covers 100-200 MHz for local VHF aircraft communications. 3-stage super-high-gain amplifier; ferrite RF transformer; telescoping antenna. 3x2x1 $\frac{1}{4}$ ". With earphone. Order 9-volt battery below. 22 C 9537. Shpg. wt., 14 oz. .... 5.95  
1B C 5980. V 9-Battery. 6 oz. ... Pkg. 2/59¢



## Universal 6-10 VDC Power Supply

PS-6F. Assembled, ready-to-use power supply module. Supplies 6 to 10 VDC depending on current drawn. Use with Mod-U-Kits except Mobile Amplifier. Color-coded output leads. 4 $\frac{1}{2}$ x2x1 $\frac{1}{2}$ ". For 115 VAC. Shpg. wt., 2 lbs. 22 C 3688..... 7.95



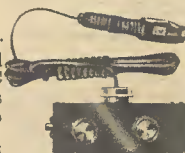
## Fire Alarm Kit

FA-2. Two-transistor audio oscillator with special charging circuit for siren effect. Thermostat makes contact when temperature reaches 130° F. Test button. Uses any speaker. 6-V batt. below. 2 $\frac{3}{4}$ x2x3 $\frac{1}{4}$ ". 22 C 9538. Shpg. wt., 14 oz. .... 4.95  
1B C 5085. Battery. Use 1. 1 $\frac{1}{2}$  lbs. Each 92¢



## Mobile Power Amplifier Kit

MPA-5. Three-transistor power amplifier produces up to 5 watts power when used with microphone. Powered by 12-VDC auto battery or other 12 VDC source. Has volume, tone control. Power cord fits auto cigarette lighter. 4x3x1 $\frac{1}{8}$ ". Wt., 1 lb. 22 C 9539..... 8.95



## 10-Watt Stereo Amplifier Kit

SAV-10. Complete 5-watt per channel stereo amplifier. Has dual volume and tone controls—outputs for 2 speakers—dual input. Imp., 3 to 8 ohms. 4x3x1 $\frac{1}{8}$ ". Order 6V battery below. Wt., 1 $\frac{1}{2}$  lbs. 22 C 9540. .... 12.95  
1B C 5085. Battery. 1 $\frac{1}{2}$  lbs. .... Each 92¢



## 5-Watt Monaural Amplifier Kit

UA-5. General-purpose three-transistor amplifier gives 5 watts music power. Accepts practically any pickup device. Imp., 3-16 ohms. Volume control. Order 1 6-volt battery below. 3x2x1 $\frac{1}{8}$ ". Wt., 5 oz. 22 C 9531..... 5.95  
1B C 5085. 6-V Battery. 1 $\frac{1}{2}$  lbs. .... Each 92¢



## Proximity Switch Kit

PRS-100. Capacity switch for use as alarm, night-light, etc. Also controls universal motor devices drawing current up to 5 amps. Capacity bridge network, SCR, transistor. For 110-130 V, 60 Hz AC. 4x3x1 $\frac{1}{8}$ ". Shpg. wt., 8 oz. 22 C 9532..... 6.95



## Super Sleuth Kit

SS-100. Three-transistor direct-coupled amplifier. Use as hearing aid or private listening device. With crystal input mike, output earpiece. 3x2x1 $\frac{1}{4}$ ". Order 1.5-volt (AAA) penlight battery below. 5 oz. 22 C 9530..... 5.95  
1B C 5080. Battery. Wt., 2 oz. ... Pkg. 2/26¢



## Wireless Intercom Kit

WI-2. AM transmitter feeds signal into ground side of 117 V AC line. Signal is tunable—may be picked up at any AC outlet through AC table radio. Order 9-V battery below. 3 $\frac{1}{4}$ x4 $\frac{3}{8}$ x2 $\frac{1}{4}$ ". Wt., 14 oz. 22 C 9543..... 7.95  
1B C 5980. Battery. 6 oz. .... Pkg. 2/59¢



## Light Sentry Kit

ALS-8. Silicon-controlled rectifier circuit and phase shifting network for use as light control or light beam alarm. With photocell, neon bulb. Alarm signal can be picked up through AM radio at high end of band. 4x3x1 $\frac{1}{8}$ ". 115 VAC. Wt., 1 lb. 22 C 9544..... 9.95

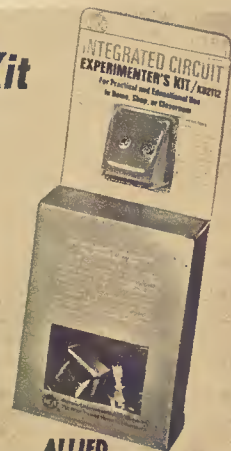


# RCA Integrated Circuit 2-in-1 Experimenter's Kit

KD-2112. Integrated circuit kit ideal for experimenters and hobbyists. Gives a good working knowledge of the principles and uses of integrated circuits, plus experience in handling and working with them. Consists of RCA type CA-3020 monolithic silicon integrated circuit and associated components to build two useful and informative projects—a 500-mW audio amplifier and a variable-tone audio oscillator. The audio amplifier circuit may be used as a PA or phonograph amplifier; audio oscillator circuit can be used as code practice oscillator (with code key) or continuous-tone on-off switch. All parts are supplied for each circuit. Order 9-volt battery and 3.2-ohm speaker, below. Informative instruction manual. 22 C 9529. Shpg. wt., 1 lb. .... 10.98  
1B C 5661. Type 2N6 9-Volt Battery, 8 oz. .... Each 1.30  
16 C 3476. 4" Speaker. Shpg. wt., 1 $\frac{1}{2}$  lbs. .... Each 1.59

**\$10<sup>98</sup>**

- Build 500-mW Audio Power Amplifier
- Build Variable-Tone Audio Oscillator
- Informative Manual Covers Construction of Circuits and I/C Theory



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HEP-407

Top-quality low-cost line of solid-state devices offering a broad variety of circuit designs for hobbyists, experimenters and technicians. When used in conjunction with design books (below)—they provide a wide range of informative, practical circuit designs.

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22 C 3798 E, HEP-400. Solid-State Projects from Motorola. 68 pages. 5 1/2 x 8 1/2". Shpg. wt., 4 oz. .... 50¢

22 C 3799 E, HEP-407. Integrated Circuits Projects from Motorola. 96 pages. 5 1/2 x 8 1/2". Shpg. wt., 5 oz. .... 1.00

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Stock No.	Type No.	Description	EACH
22 C 3810	HEP-1	PNPRF Type, 100MHz, 150mW	.89
22 C 3811	HEP-2	PNPRF Type, 100MHz, 300mW	1.25
22 C 3812	HEP-3	PNPRF Type, 250MHz, 100mW	1.25
22 C 3813	HEP-200	PNP Power Type, TD-3, 3 Amps, 90 Watts	.82
22 C 3814	HEP-230	PNP Power Type, TD-3, 5 Amps, 90 Watts	.89
22 C 3815	HEP-231	PNP Power Type, TO-36, 15 Amps, 150 Watts	1.69
22 C 3817	HEP-232	PNP Power Type, TO-3, 7 Amps, 90 Watts	2.34
22 C 3818	HEP-233	PNP Power Type, TD-36, 15 Amps, 170 Watts	4.20
22 C 3819	HEP-234	PNP High-Voltage Power Type, Vertical Deflection Amp, 200 V, 5 A, 56 W.	3.25
22 C 3820	HEP-235	PNP High-Voltage Power Type, Horizontal Deflection Amp, 320 V, 10 A, 56 W.	4.50
22 C 3821	HEP-250	PNP General-Purpose Type, Medium gain, 200 mW	.79
22 C 3824	HEP-251	PNP General-Purpose Type, High gain, 200 mW	.89
22 C 3828	HEP-252	PNP General-Purpose Type, Low leakage, 200 mW	.89
22 C 3829	HEP-253	PNP General-Purpose Type, Medium gain, 225 mW	.95
22 C 3830	HEP-254	PNP General-Purpose Type, Medium gain, 225 mW	.89

## SCR's—TRIGGERS—TRIACS

22 C 3831	HEP-300	Thyristor (SCR) 50 V, 5 A	2.29
22 C 3832	HEP-302	Thyristor (SCR) 200 V, 5 A	2.69
22 C 3833	HEP-304	Thyristor (SCR) 50 V, 15 A	4.35
22 C 3834	HEP-305	Thyristor (SCR) Reverse Polarity, 50 V, 15 A	4.60
22 C 3844	HEP-306	Thyristor (SCR) 200 V, 15 A	5.90
22 C 3845	HEP-307	Thyristor (SCR) Reverse Polarity, 200 V, 15 A	6.20
22 C 3796	HEP-310	Silicon Unijunction, 30 mW	1.10
22 C 3846	HEP-311	Silicon NPN Bilateral Trigger, 35 V, 2 A	.99
22 C 3847	HEP-320	Thyristor (SCR) 50 V, 8 A	.99
22 C 3848	HEP-340	Triac 200 V, 8 A	4.49

## ZENER DIODES

22 C 3849	HEP-101	10 V, 400 mW	.95
22 C 3850	HEP-102	3.6 V, 1 W	1.20
22 C 3851	HEP-103	6.2 V, 1 W	1.20
22 C 3852	HEP-104	9.1 V, 1 W	1.20
22 C 3853	HEP-105	12 V, 1 W	1.20

## MOUNTING KITS, ACCESSORIES

22 C 3841	HEP-450	Mounting Kit for Devices in TD-3 Case	.30
22 C 3839	HEP-500	Heat Sink for Devices in TD-3 Case	2.35
22 C 3826	HEP-501	Heat Sink for Devices in TD-36 Case	2.35
22 C 3800	HEP-452	Mounting Kit for Devices in TD-66 Case	.32
22 C 3803	HEP-451	10-Pin Integrated Circuit Socket, Pkg. of 2	1.49

## RECTIFIERS AND DIODES

22 C 3854	HEP-134	Germanium diode—substitute for Type IN34A	.26
22 C 3855	HEP-135	Germanium diode—substitute for Type 1H60	.26

## RECTIFIERS AND DIODES (Cont'd)

Stock No.	Type No.	Description	EACH
22 C 3856	HEP-151	Silicon Power Rectifier—stud-type, 50 PIV, 15 A	.79
22 C 3857	HEP-153	Silicon Power Rectifier—stud-type 200 PIV, 15 A	1.24
22 C 3858	HEP-154	Silicon Rectifier—Axial leads, 50 PIV, 1 A	.36
22 C 3859	HEP-156	Silicon Rectifier—Axial leads, 200 PIV, 1 A	.49
22 C 3860	HEP-157	Silicon Rectifier—Axial leads, 400 PIV, 1 A	.56
22 C 3861	HEP-158	Silicon Rectifier—Axial leads, 600 PIV, 1 A	.66
22 C 3862	HEP-159	Silicon Rectifier—Axial leads, 800 PIV, 1 A	.92
22 C 3863	HEP-160	Silicon Rectifier—Axial leads, 1000 PIV, 1 A	1.45
22 C 3864	HEP-161	Silicon "Top Hat" Rectifier—50 PIV, 3 A	1.09
22 C 3865	HEP-162	Silicon "Top Hat" Rectifier—200 PIV, 3 A	1.25

## FIELD EFFECT TRANSISTORS

22 C 3795	HEP-801	N-Channel Audio FET	1.59
22 C 3866	HEP-802	N-Channel RF FET	1.59

## DUAL DIODES, RECTIFIER BRIDGES

22 C 3867	HEP-165	Silicon Dual Diode with common cathode	.62
22 C 3868	HEP-166	Silicon Dual Diode with common anode	.60
22 C 3869	HEP-175	Full-Wave Bridge Rectifier—50 PIV, 1 A	1.49
22 C 3870	HEP-176	Full-Wave Bridge Rectifier—200 PIV, 1 A	2.05
22 C 3871	HEP-177	Full-Wave Bridge Rectifier—400 PIV, 1 A	2.25
22 C 3872	HEP-178	Full-Wave Bridge Rectifier—600 PIV, 1 A	3.05

## SILICON TRANSISTORS

22 C 3875	HEP-50	NPN RF—100 MHz, 300 mW	.79
22 C 3876	HEP-51	NPN RF—50 MHz, 600 mW	1.29
22 C 3877	HEP-52	PNP RF—100 MHz, 300 mW	.95
22 C 3878	HEP-53	NPN RF—50 MHz, 600 mW	1.15
22 C 3879	HEP-54	NPN RF—30 MHz, 310 mW	1.08
22 C 3880	HEP-55	NPN RF—210 MHz, 310 mW	1.20
22 C 3881	HEP-56	NPN (UHF Oscillator)—750 MHz, 310 mW	1.44
22 C 3882	HEP-57	PNP RF—200 MHz, 310 mW	1.20
22 C 3883	HEP-240	NPN Power—TD-66, 300 V, 500 mA, 10 W	2.05
22 C 3884	HEP-241	NPN Power—TO-66, 120 V, 15 A, 40 W	1.79
22 C 3885	HEP-242	PNP Power—TO-5, 40 V, 3 A, 6 W, Comp. to HEP-243	2.40
22 C 3886	HEP-243	NPN Power—TO-5, 40 V, 3 A, 6 W, Comp. to HEP-242	1.79
22 C 3887	HEP-244	NPN Power—Case 77 "Thermopad," 300 V, 50 mA, 25 W	2.15
22 C 3888	HEP-245	NPN Power—Case 77 "Thermopad," 40 V, 3 A, 30 W, Comp. to HEP-246	11.99
22 C 3889	HEP-246	PNP Power—Case 77 "Thermopad," 40 V, 3 A, 30 W, Comp. to HEP-245	2.29
22 C 3890	HEP-247	NPN Power—TD-3, 40 V, 10 A, 150 W, Comp. to HEP-248	2.80
22 C 3891	HEP-248	PNP Power—TD-3, 40 V, 3 A, 150 W, Comp. to HEP-247	16.49

## DIGITAL INTEGRATED CIRCUITS

Stock No.	Type No.	Description	EACH
22 C 3791	HEP-553	MECL Half-Adder	1.89
22 C 3792	HEP-554	MECL Bias Driver	1.49
22 C 3793	HEP-556	MECL 3-Input Gate	1.79
22 C 3794	HEP-558	MECL J-K Flip-Flop	2.39
22 C 3892	HEP-570	RTL Quad Gate	2.10
22 C 3893	HEP-571	RTL Dual Buffer	2.10
22 C 3894	HEP-572	RTL Dual J-K Flip-Flop	3.90
22 C 3895	HEP-580	RTL Dual 2-Input Gate	.95
22 C 3896	HEP-581	RTL 4-Input Gate	.95
22 C 3897	HEP-582	RTL Dual Buffer	.99
22 C 3898	HEP-583	RTL J-K Flip-Flop	1.49
22 C 3899	HEP-584	RTL Dual 2-Input Gate	1.89

## LINEAR INTEGRATED CIRCUITS

22 C 3873	HEP-590	High-Frequency Amplifier	3.99
22 C 3874	HEP-591	Audio IF Amplifier	3.60
22 C 3837	HEP-592	Dual (Stereo) Preamp	3.25
22 C 3838	HEP-593	1-Watt Power Amplifier	7.95

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Deluxe I/C experimenters kit—invaluable aid for hobbyists, technicians, designers. Includes 5 Motorola RTL Integrated circuits—4-Input Gate, Dual Buffer, J-K Flip-Flop, two Dual 2-Input Gates. With tips on using I/C's, I/C cross-reference guide, and several practical circuits using the devices included. Sx3 1/2 x 1 1/4". 22 C 3801. Wt., 2 oz. .... 3.95

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HEP-404. Switching Transistor Handbook. Instructive book covers principles of switching transistors. Detailed theory and explanations. 8x5 1/2". 346 pages. Shpg. wt., 15 oz. .... 2.50  
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HEP-410. Silicon Rectifier Handbook. Covers theory and application of silicon rectifiers. Explains parameters, details operations. 8x5 1/2". 194 pages. Shpg. wt., 9 oz. .... 1.50  
22 C 3806 E. .... 1.50

HEP-411. Semiconductor Data Manual. Informative reference source. Explains parameters, covers general theory. 10x 7 1/4". 1880 pages. Shpg. wt., 4 1/2 lbs. .... 5.95  
22 C 3807 E. .... 5.95

## HEP CROSS REFERENCE GUIDE

HMA-07. Lists approximately 12,000 semiconductor types replaced by the Motorola HEP semiconductor devices. Indexed by JEDEC and Manufacturer's Type Nos. for easy use. 55 pages. Shpg. wt., 2 oz. .... 25¢  
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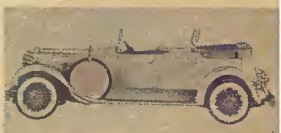
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**Packard Roadster** \$395 **B**

**B 1930 Packard Roadster**  
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**C 1932 Chevrolet Coupe**  
Nostalgia and sentiment in this snappy Chevy sport coupe—a car that had lots of new features for its time. Over 75 parts. 1/20th scale. 8" long. Wt., 2 lbs.  
22 C 9565.....3.25

**G Chevrolet Roadster**  
Handsome model of popular Chevy roadster—great for kit builders and car buffs. Whitewalls, authentic accessories. Over 75 parts, 1/20th scale. 8" long. 2 lbs.  
22 C 3677.....3.25



**Chevrolet Roadster** \$325 **G**



**Ford Roadster** \$245 **D**

**D Model A Ford Roadster**  
Eye-catching model of this popular 1930's car. Whitewall tires, detailed accessories, famous 4-cylinder engine. Over 35 parts, 1/20th scale, 7 1/2" long.  
22 C 3676 1/2 lbs. ....2.45

**H Model A Ford Coupe**  
Finely detailed reproduction of the ever-famous Model A Ford Coupe. Whitewall tires, rumble seat, accessories. Over 35 parts, 1/20th scale, 7 1/2" long. 1 1/2 lbs.  
22 C 3678.....2.45



**Ford Coupe** \$245 **H**

**Car Kit Package—Save \$1.20** 3 Pieces

Reg. \$15.15. Three models—Duesenberg Town Car; Packard Phaeton; Chevy Coupe.  
22 C 0302 13. 7 lbs. .... Complete 13.95

**\$1395**



**Ford Mustang GT** **J**

**J Renwal Mustang GT**  
\$795 True-to-Life Scale Model

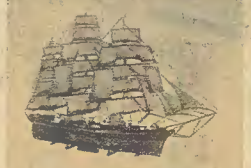
Provides hours of kit-building fun, gives working knowledge of famous Mustang Fastback GT. Working hood, doors, windows, seats, steering. Detailed engine, undercarriage, suspension. Plastic; chrome trim. 1/12th scale, 15 1/2" long. 22 C 9553 X 4 lbs. ....7.95



**"Black Bat"** **K**

**K Lindberg "Black Bat"**  
\$795 Motorized Model

Accurate model of trophy-winning "hot-rod." 1914 "T" bucket body, 1949 Ford front wheels. Plastic, with brass and chrome-plated parts. 16x8 3/4 x 9 1/2". Order two batteries below. 6 lbs. 22 C 9525 X.....7.95  
18 C 5865. Batteries. Shpg. wt., 6 oz. .... Pkg. of 2 for 33¢



**"Cutty Sark" Clipper** **L**

**L Revell Clipper Ship**  
\$1195 With Full Sails

Truly impressive model of 19th Century clipper ship. Full sails; pre-painted hull; ready-to-rig deadeyes and blocks. 20 realistic models of crew members; 26-page historical booklet from the Cutty Sark Society. Plastic. 22x36x5". Wt., 5 lbs. 22 C 9545 X.....11.95



**"Blue Devil" Destroyer** **M**

**M Lindberg Destroyer Kit**  
\$995 Many Working Mechanisms

History-making "Blue Devil" destroyer—heroic World War II ship. Gun turrets, torpedo tubes and radar screens move. Motorized. Plastic. 36x8 3/4 x 3 1/2". Batteries below. 6 lbs. 22 C 9526 X.....9.95  
18 C 5779. Batteries. Use 6. Wt., 4 oz. .... Pkg. of 2 for 33¢

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SELECTED VALUES

**KITS**

HOBBY

# Navy, Auto and Air Models . .



**A** \$12.95



**B** \$5.49



\$19.95



\$6.95



\$8.95



"Fires" Polaris Missiles

\$3.49



\$9.95

- A** Revell USS Constitution. Famous "Eagle of the Sea," now in a highly accurate model scaled from plans at the Smithsonian Institution. Has 39 sails, pre-painted 37" hull, 55 guns, 20 crew figures, clear gallery windows. Preformed ratlines, rigging thread, instructions. Molded plastic in 3 colors. 1814 Flag sheet, cement. 1/96th scale, 27" high. 22 C 3686 X. Shpg. wt., 4½ lbs. . . . . 12.95
- B** Aurora Bon Homme Richard. John Paul Jones' Flagship in a truly impressive plastic scale model. Fully detailed, with pre-formed ratlines, cannons with gun carriages, ship's lanterns. Realistic figures of crew and gunners. With decals, finely scrolled, pre-assembled display stand. 26½" long. 22 C 3683 X. Shpg. wt., 3 lbs. . . . . 5.49
- C** Lindberg "Sport Fisherman." Distinctive plastic model of popular Chris-Craft fishing boat. Fully motorized, ideal for radio control. Finely detailed; 29" chrome-plated trolling booms; one-piece hull; twin-screw propellers, Delrin® bearings. 10" beam, 12" high, over 30" long. Batteries below. 22 C 9528 X. Shpg. wt., 7 lbs. \$5 Monthly. . . . . 19.95  
18 C 5862. Batteries. (Use 6.) Wt., 4 oz. . . . . Pkg. of 2 for 38¢
- D** Pyro Robert E. Lee Mississippi Steam Boat. Stir memories of days long-gone with this beautifully detailed Mississippi steam boat. Plastic museum-type scale model boasts all the fine, rich details of the historically famous riverboat. Full rigging, flags, and decals. Display stand. 22" long. 22 C 3682 X. Shpg. wt., 3 lbs. . . . . 6.95
- E** Aurora USS Enterprise. Nuclear-powered aircraft carrier, famed fighter of the space-age! Dramatically detailed plastic replica is copied line for line from Navy blueprints. 34" long. Order motor kit and batteries below. Authentic decals. 22 C 3684 X. Shpg. wt., 5 lbs. . . . . 8.95  
22 C 3685. Motorizing Kit. Shpg. wt., 8 oz. . . . . 1.50  
18 C 5779. Batteries. Use 4 with Motor Kit. 5 oz. . . . . Pkg. 2/33¢
- F** Renwall "George Washington" Polaris-Launching Nuclear Sub. Superb plastic model of America's powerful deterrent weapon. Can be displayed closed to show streamlined hull, or open to show highly detailed interior arrangement. Actually "fires" miniature polaris missiles. 24" long. Over 300 plastic parts. Shpg. wt., 2 lbs. 22 C 3681 X. . . . . 3.49
- G** Lindberg "Blue Devil" Destroyer. Giant plastic replica of a history-making ship. Minutely detailed with motorized radar screens, gun turrets, and torpedo tubes. Travels pre-set patterns. With flags, decals. 36x8¼x3½". 22 C 9526 X. Shpg. wt., 6 lbs. . . . . 9.95  
18 C 5862. Batteries. (Use 6.) Shpg. wt., 4 oz. . . . . Pkg. of 2 for 38¢



# .. Fun to Build and Display

SELECTED VALUES

# KITS

HOBBY

\$10.95 **H**

**H** Monogram Jaguar XKE Model Car Kit. Handsome molded plastic bright red Jaguar XKE Sport Coupe. Features opening and closing doors, crank-operated windows, operating front suspension, steerable front wheels. Hood opens to show fully detailed engine (with spark plugs and ignition wiring). 1/8th scale, overall size, 22x12x6".  
22 C 3673 X. Shpg. wt., 5 1/2 lbs. .... 10.95

**J** Monogram Corvette Sting Ray. Authentic plastic replica of one of America's popular sport cars. Retractable headlights, steerable front wheels, fully detailed engine with famous fuel-injection system. One-piece body and one-piece clear window insert for easy assembly. 1/8th scale, 21x8 1/2x6 1/2".  
22 C 3674 X. Shpg. wt., 6 lbs. .... 10.95

**K** Tamiya Honda Formula 1 Racing Car. Large plastic replica of Japan's only Formula 1 racing car. Authentic rubber wheels; detailed, streamlined body; exposed engine shows the highly complex workings of this famous racer. Accurately shows spring-coil suspension system; driver's seat and interior; electrical wiring. Decals. 1/12th scale, 2 3/4x5 1/2x13".  
22 C 3680 X. Japan. Shpg. wt., 3 lbs. .... 9.95

**L** Revell Dog Fighter's Collector Set. Three authentic plastic scale models of famous WW I dog fighters. Red Baron's Fokker Triplane; Captain Roy Brown's British Sopwith Camel; and the French Spad XIII. Models have authentic markings; all parts, wheels and propellers. 1/28th scale.  
22 C 3687. Shpg. wt., 2 lbs. .... 4.49

**M** Midwest Nieuport 17 Semi-Scale Model Airplane. Realistic World War I model, for single-channel to five-channel multi radio control. Features formed plastic cowl, molded foam wings, foam stabilizer, all wires, hardware, wheels, detailed assembly instructions. 44" wing span; 504 sq. in. area. Less engine (use .15 to .19 cu. in. engines).  
22 C 3679 X. Shpg. wt., 5 lbs. .... 17.95

**N** Midwest Cessna 150 Semi-Scale Model Airplane. For Galloping Ghost single channel or small-multi. 44" wing span; 264 sq. in. area. Molded foam wing and stab, shock absorbing nose gear. Takes .049 engine. Order wheel and hub kit below. Shpg. wt., 2 1/2 lbs. .... 8.95  
22 C 9511 X. .... 2.95  
22 C 9507. Wheel and Hub Kit. Shpg. wt., 5 oz. .... 2.95

**P** Midwest Whiz-Kid Semi-Scale Model Airplane. For Galloping Ghost or single-channel trainer. 44" wing-span, 264 sq. in. area. Molded foam wing and stab—all you build is the fuselage. Formed, shock-absorbing nose, torque action main gear. Takes .049" engine. Order wheel and hub kit above.  
22 C 9512 X. Shpg. wt., 2 1/2 lbs. .... 7.95



\$10.95



\$9.95



\$4.49



\$8.95

\$17.95



\$7.95

Allied Has All Types of Exciting Hobby Kits.

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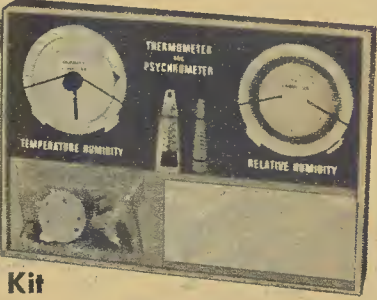
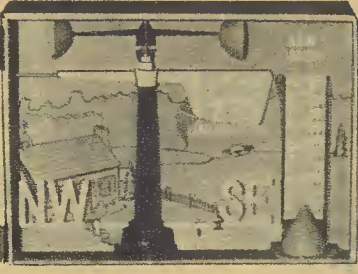


SELECTED VALUES  
**KITS**  
 SCIENCE

# Educational Science Kits

**\$11.88**

- Build Wind Vane, Barometer, Psychrometer, Rain Gauge
- With Weather Map, Graphs



## Porter Weathercraft Forecasting Kit

Now you can do your own weather forecasting, easily and accurately. Deluxe weather lab kit contains everything necessary for highly accurate weather prediction. Includes: Wind Vane and Anemometer to measure wind direction and speed; Compensated Aneroid Barometer to record changes in atmospheric pressure; complete set of graphs for charting air pressure and temperature; Psychrometer for deter-

mination of relative humidity; Rain Gauge for measuring rainfall to 1/100th of an inch. Also has detailed weather map and cloud chart; forecasting manual that shows clearly how to make accurate predictions. Packaged in convenient 3-panel metal case. Order batteries below.  
 22 C 9557 X, Shpg. wt., 6 lbs. .... 11.88  
 18 C 5865, "C" Batteries, Use 2, 6 oz. .... Pkg. of 2 for 33¢



## WEATHER STATION KIT

**\$8.88** Forecasts Weather

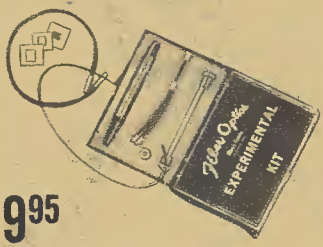
Exciting weather station kit lets you measure wind speed and direction; record relative humidity; check rainfall to 1/100th of an inch. You build 4 professional-type instruments: Remote-reading Anemometer and Wind Vane; Air-Tank Barometer with 4-ft. indicator column; Sling Psychrometer; Rain Gauge with calibrated scale tube. Flashing indicator lights show wind speed and direction on indoor board. Safety power cord limits current—all electrical connections are safe to touch. With all parts, 150-ft. lead-in wire; weather map, cloud chart, full instructions. 115 VAC.  
 22 C 9514, Wt., 2 lbs. .... 8.88

**\$7.95**



## Atomic Energy Lab Kit

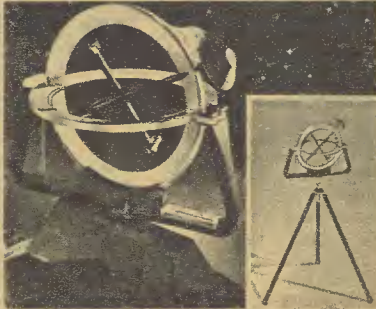
Study nuclear physics with completely safe radioactive materials. You get: Atomic Cloud Chamber; Spinharscope; and Electroscope. Track particles, measure changes in nuclear structure; test radiation of samples, much more. With detailed instructions for all experiments. Wt., 3 lbs.  
 22 C 9523. .... 7.95



**\$19.95**

## Fiber-Optics Kit

Ideal medium for learning the field of fiber-optics. Contains equipment and materials, detailed procedures for more than 25 experiments. Instructions. Order two AAA alkaline batteries below. 8 oz.  
 22 C 3665, \$5 Monthly. .... 19.95  
 18 C 5348, Battery, 1/2 oz. .... Each 33¢



## Skilcraft Star Finder

**\$18.95** With Tripod

Deluxe, scientific star plotting instrument shows you the wonders of sky and space! Lets you plot the rising and setting of sun and moon; identify star constellations, galaxies and clusters; use stars for time, direction and position. Easy-to-use—no mathematical computations.

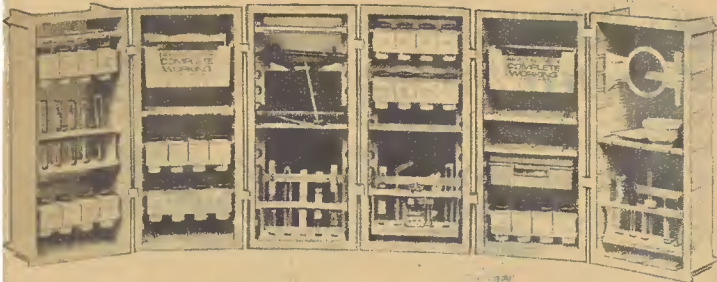
- Learn Movement of Stars and Planets
- Use Stars for Time, Direction, Position
- Plot Rising and Setting of Sun and Moon
- No Mathematical Computations Needed
- 3-Section Metal Tripod Extends to 46"

Includes star chart with detailed manual and instructions. Ruggedly constructed instrument is on metal base, can be mounted on tripod for convenient use. Clearly calibrated scales. With 3-section metal tripod that extends to 46" in height. Shpg. wt., 5 lbs.  
 22 C 3664 X. .... 18.95



# Everyone Will Enjoy

SELECTED VALUES  
**KITS**  
SCIENCE



### Gilbert Deluxe Graduate Chemistry Modulab Kit

**\$14<sup>95</sup>** • File Cords Program Over 700 Experiments  
• Six Modular Laboratory Storage Racks

Complete chemistry lab kit—great for students, hobbyists. Conduct experiments in chemical gardening; analytical testing; thermal chemistry; advanced chemical “magic”; chromatography; more—over 700 experiments in all! Kit includes: six modular lab storage racks; full complement of chemicals and supplies; precise lab scale; mortar and pestle; hydroponic tray; alcohol lamp; test tubes; file cards for experiments. With detailed instructions and operating procedures.  
22 C 3670 X. Shpg. wt., 15 lbs..... 14.95



**\$9<sup>95</sup>**

### Gilbert Senior Chemistry Kit

Conduct over 500 fascinating chemical experiments. Includes four lab-type storage racks; over 20 chemicals; alcohol lamp; test tubes; detailed instructions.  
22 C 3671 X. Shpg. wt., 5 lbs..... 9.95

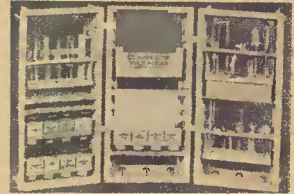


### Porter Biocraft Master Lab Biology Kit

**\$19<sup>95</sup>**

- With 30-45 Power Microscope
- Educator Approved Lab Manual
- Seven Specimens

Offers advanced study of the interesting field of biology. Well-equipped lab kit includes all-metal 30-45 power microscope with 110 VAC plug-in illumination; shrimp hatchery; microtome; dissecting tools. Seven specimens, including fish, frog, and starfish, for scientific experiments in dissecting, examination, etc. 104-page educator-approved biology manual covers many experiments and projects. Packed in 3-panel, rolled-edge metal case. For 115 VAC. Shpg. wt., 7 lbs.  
22 C 3667 X. 85 Monthly..... 19.95



**\$6<sup>95</sup>**

### Gilbert Student Chemistry Kit

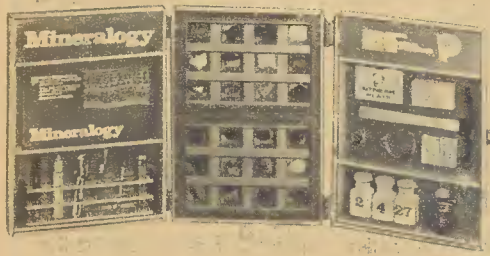
Quality kit for beginners. Three modular storage racks; chemicals and equipment for over 400 experiments. Alcohol lamp, test tubes, other supplies included.  
22 C 3672 X. Shpg. wt., 4 lbs..... 6.95



**\$11<sup>95</sup>**

### Porter Senior Biocraft Kit

Many exciting experiments in both animal and plant kingdoms. 30-45 power microscope with pinion focusing and polished lenses; three specimens; dissecting tools; informative manual. 2-panel metal case.  
22 C 3666 X. Shpg. wt., 5 lbs..... 11.95



### Porter Deluxe Mineralogy Senior Lab Kit

**\$9<sup>95</sup>**

- Over 24 Mineral Specimens
- Alcohol Lamp with Blow-Torch
- Geologist's Hammer

Excellent mineralogy set for the young geologist. Includes full complement of scientific instruments for determining mineral types; geologist's hammer for unearthing specimens; and magnifier for examining crystalline structure and particles of various minerals. 24 mineral specimens; alcohol lamp with blow-torch attachment; test papers and chemicals; test tube rack; streak plate. Descriptive instruction manual and wall-size identification chart. 3-panel metal case. Shpg. wt., 5½ lbs.  
22 C 3669 X..... 9.95



**\$7<sup>95</sup>**

### Porter Student Mineralogy Kit

Ideal beginner's mineralogy set. Has magnifier for close examination of specimens; alcohol lamp and blow-torch; test tubes; chemicals; streak plate; 12 specimens; geologist's hammer. Detailed instructions. 2-panel metal case. Shpg. wt., 4 lbs.  
22 C 3668 X..... 7.95

Buy A Fun-Filled Hobby Kit Today—Use Allied's Credit Fund Plan

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SELECTED VALUES

**KITS**

SCIENCE

# Fun-to-Build Educational Kits

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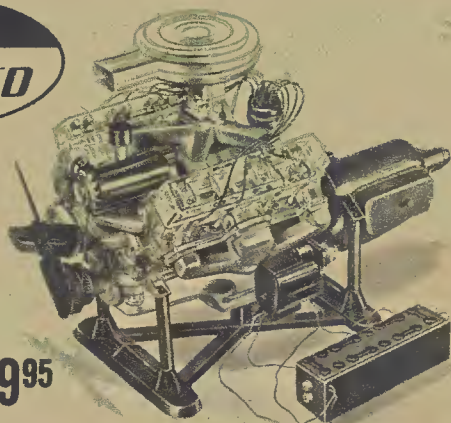


**\$595**

### Monogram Transparent Phantom Mustang Kit

Authentically detailed  $\frac{1}{32}$  scale model of this famous WWII fighter plane. Has see-through fuselage and wings to show internal details. Two electric motors provide power for realistic working features—propeller spins, landing gear drops and retracts, bombs drop from wing mounts. Controlled by pushbuttons in mounting base. 144 plastic parts.  $19\frac{1}{4} \times 13\frac{1}{4} \times 2\frac{3}{4}$ ". Order batteries below.

22 C 3656 X. Shpg. wt., 2 lbs. . . . . **5.95**  
1B C 5B62. "D" Batteries. Uses 2. Wt., 5 oz. . . . . Pkg. of 2 for 3B¢



**\$995**

### Renwall Visible V-8 Engine Kit

Gives a good working knowledge of the V-8 engine. Precision molded parts are in four basic colors, including "clear" so that actually functioning parts—pistons, connector rods, rocker arms and properly timed spark plugs can be seen. Includes miniature motor, all necessary metal parts, informative instruction manual. Operates on two "C" batteries, order below.  $14\frac{1}{2} \times 10\frac{1}{2} \times 7\frac{1}{4}$ ".

22 C 9554 X. Shpg. wt., 5 lbs. . . . . **9.95**  
1B C 5B65. Batteries. Wt., 6 oz. . . . . Pkg. of 2 for 33¢



**Revell Space Program Collector's Set \$895**

Three accurate plastic scale models of the space race!  $\frac{1}{48}$  scale 20" Apollo Lunar Spacecraft with five removable sections; in-flight and lunar landing display stands; lunar landing module.  $\frac{1}{24}$  scale  $9\frac{1}{2}$ " Gemini spacecraft with detachable modules; twin astronaut figures; detailed instrument panel. 12" Gemini Astronaut with official NASA uniform, chest pack, life support package, movable arms and visor, spacecraft "hatch" display base. Paint brush, cement.

22 C 3657 X. Shpg. wt., 4 lbs. . . . . **8.95**



Both  
Kits  
**\$595**

### Pumping and Beating Heart Kits

Medically accurate kits show the beating and pumping action of the heart. All parts are precision molded plastic with accurate anatomical shape and coloring. Visible pumping heart kit has red dye solution to show blood circulation. Instructions.

22 C 959B X. Shpg. wt.,  $2\frac{1}{2}$  lbs. . . . . Both Kits for 5.95



**\$895 World of Sensation**

Five accurately detailed kits show: sense of touch, smell, taste, sight and hearing. All are larger-than-life models—show clearly the nerves and other bodily parts that control sense functions. Precision molded plastic parts. Easy to assemble. Detailed instructions.

22 C 9599 X. Wt., 4 lbs. . . . . **8.95**



**\$549 Future Scientist Kit**

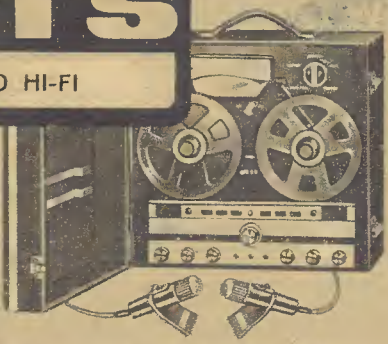
Study the mysteries of science. 6-in-1 kit includes fascinating experiments in: magnetism; electro-magnetism; chemistry; thermal energy; food chemistry; horticulture. 32 interesting experiments in all. With illustrated, easy-to-follow instructions. Wt., 2 lbs.

22 C 9506. . . . . **5.49**



# knight-kit KITS

STEREO HI-FI



## KG-415 Tape Deck Kit, Outfits

### Stereo Tape Deck Kit Featuring Preassembled Viking Transport

NEW LOW PRICE

**\$249<sup>95</sup>**  
less  
case

\$13 monthly

- 3 Heads Permit-Monitoring, Sound-on-Sound, Echo
- Headphone Amplifier
- Mixing Facilities

Offers everything you need in a professional 4-track stereo tape deck, at a price far below other decks with comparable performance. Three 4-track hyperbolic heads permit direct tape monitoring, plus sound-on-sound and echo at a flip of a switch. Exclusive built-in stereo headphone amplifier module lets you plug low-impedance headphones directly into deck for monitoring or on-the-spot listening. Microphone and auxiliary mixing facilities.

Built-in bias test oscillator. Two record/play VU level meters. Separate solid-state record and play preamps. Switch selects left or right channel individually for monaural recording and playback or both channels together for stereo. Selection is indicated in one of six illuminated windows. Flip-up head cover for easy editing and cleaning.

Automatic end-of-reel shutoff. Single-knob tape motion control. All you assemble are the solid-state modular circuits. Preassembled Viking transport is specially built to Knight-Kit specifications. Operates vertically or horizontally. Precision capstan motor with flutter-filter belt drive, separate takeup motor. Push-to-reset digital counter for cueing and indexing. Speeds: 7½ and 3¾ ips. Optional accessories below. Shpg. wt., 30 lbs.

22 C 3788 Z. \$13 Monthly..... 249.95

#### KG-415 SPECIFICATIONS

**Overall Record/Play Frequency Response:** ±2 dB, 50-18,000 Hz at 7½ ips; ±2 dB, 50-14,000 Hz at 3¾ ips. **Flutter/Wow:** less than 0.2% rms at 7½ ips. **Signal-to-Noise Ratio:** 50 dB or better. **Harmonic Distortion:** less than 1.5% at "0" VU. **Fast-Forward Time:** 1200 ft. in 60 seconds. **Rewind Time:** 1200 ft. in 90 seconds. **Max. Reel Size:** 7 in. **Solid-State Modular Circuit:** 17 transistors, 6 diodes. **Equalization:** 7½ ips, NAB; 3¾ ips, EIA. **Input Impedances:** Mike, 3000 ohms; Line, 50,000 ohms. **Input Sensitivity:** Mike, 1.5 mV for "0" VU; Line, 100 mV for "0" VU. **Output Impedances:** Playback, 250 ohms; Source, 1000 ohms; Monitor Playback, 250 ohms. **Monitor Output:** modular amplifier drives low-Z stereo headphones. **Bias/Erase Frequency:** 80 kHz. **1-kHz Test Oscillator:** for adjustment of bias and erase voltages. **Size:** 14½x14x8½" deep behind panel; 9½" depth overall. **Motors:** Capstan motor with flutter-filter belt drive, plus takeup motor with positive braking for 0.2-second starts and stops. **Power Requirement:** 110-130 V, 60 Hz AC.

#### KG-415 ACCESSORIES

**Oiled Walnut Wood Case.** Excellent for shelf or table-top use. Shpg. wt., 9 lbs.  
22 C 3003 X. \$5 Monthly..... 16.95

**Portable Carrying Case.** Holds KG-415 deck, plus 2 mikes, tape, takeup reel, cables. Back with aluminum trim. 15¾x16x11½". Shpg. wt., 18 lbs.  
22 C 3006 X. \$5 Monthly..... 29.95

**KN-4520B Dynamic Mike.** With desk stand, lavalier, mike stand adapter. On/off switch. Use two for stereo. From Japan. Shpg. wt., 2 lbs.  
22 C 3366 X..... Each 9.95

**Switchcraft 503 Solid-State Mike Preamp.** Matches hi-impedance mikes to KG-415. 40K or 2K input, 2K output. 4 to 28 dB gain. With battery. 4 oz.  
12 C 7052..... 9.69

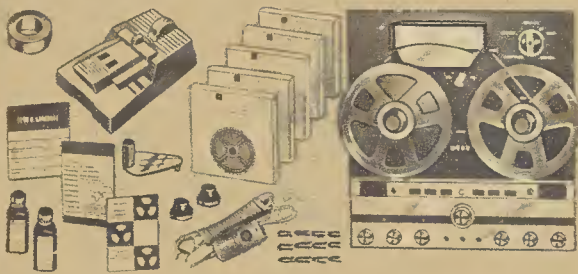
### Complete KG-415 "On-Location" Outfit

Save  
**\$9.80**

**\$309<sup>95</sup>**

\$15 monthly

Separately, \$319.75. Lets you make tapes on-the-spot, then immediately play them back, in stereo, through the headphones. Includes: KG-415 Tape Deck Kit; Deluxe Portable Carrying Case; Allied H876 Stereo Headphones; two Dynamic Mikes with Desk Stands, Floor Stand Adapters and Lavalier Cord Assemblies. Mikes from Japan. Shpg. wt., 53 lbs.  
22 C 0122 L5U. \$15 Monthly..... 309.95



### Deluxe KG-415 Recording Outfit

Save  
**\$6.67**

**\$269<sup>95</sup>**

\$14 monthly

Separately, \$276.62. For custom installation. KG-415 Tape Deck Kit; Five 7-in. reels of Recording Tape; Head Demagnetizer; Rabins TK-8DLX Accessory Kit with TS-8D "Stereo 4" Splicer, Roll of Splicing Tape, Tape Threader, Head Cleaner, Head Lubricant, Tape Jacky Cloth, Tape Clips, Reel Labels, Reel Holders, Editing and Splicing Booklet. Shpg. wt., 40 lbs.  
22 C 0002 L3U. \$14 Monthly..... 269.95

### KG-415 Outfit With Two Microphones, Deluxe Walnut Case

Save  
**\$6.85**

**\$279<sup>95</sup>**

\$14 monthly



Separately, \$286.80. Excellent for table-top. KG-415 Tape Deck Kit; two KN-4520B Dynamic Mikes with Desk Stands, Floor Stand Adapters and Lavalier Cord Assemblies; Oiled Walnut Wood Case. Mikes from Japan. Wt., 43 lbs.  
22 C 0271 L4U. \$14 Monthly..... 279.95



# Exciting Educational Kits

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# KITS

SCIENCE

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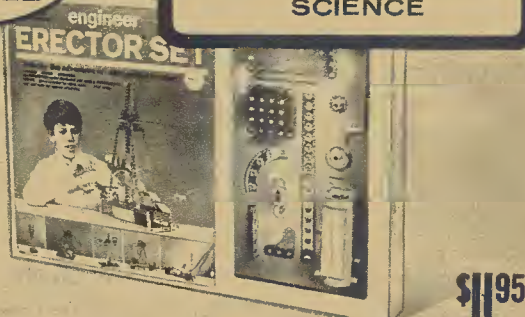


**\$15.95**

**Gilbert Senior Engineer Erector Set**

Complete assortment of steel girders, plates, curved sections, etc. for hundreds of projects. Plans for helicopter, oil rig, lift bridge, shipbuilding crane, more. Power-Matic motor with three take-offs; Power-Matic hoist for powering two different operations with shift control; battery case for start, stop; forward and reverse remote-control. Order batteries below.

22 C 3663 X. Shpg. wt., 8 lbs. . . . . **15.95**  
18 C 5862. "D" Batteries. Use 2. Wt., 5 oz. Pkg. of 2 for 38¢



**\$11.95**

**Famous Gilbert Engineer Erector Set**

Intermediate motorized Erector set builds hundreds of interesting models. Has Power-Matic motor with three take-off shafts, each with different speed and gear ratios. Build lunar surface probe, airplane ride, mobile power driver, much more. Famous Erector nut and bolt constructions; detailed plans. Wide assortment of parts—girders, plates, etc. Order batteries below.

22 C 3662 X. Shpg. wt., 5 lbs. . . . . **11.95**  
18 C 5862. "D" Batteries. Use 2. Wt., 5 oz. Pkg. of 2 for 38¢

**Norelco ME-1200 Mechanical Kit**

- 40 Projects
  - 600 Parts
- \$27.95**

Deluxe mechanical kit teaches youngsters the basic laws of physics and energy. Provides over 40 operating projects plus many more special experiments. Lets children see in action the various power sources we use every day. Over 600 parts for experiments with electricity, air and water pressure, gears and gravity. Unbreakable plastic parts are easy to identify and assemble. 136-page manual with easy-to-follow diagrams for simplified assembly. Order one battery below. Wt., 6½ lbs.

22 C 3661 X. \$5 Monthly. . . . . **27.95**  
18 C 5102. Battery. 8 oz. . . . . **1.36**



**NEW**  
at **ALLIED**



**\$14.95**

**Deluxe Electronics Set**

Build over 20 projects. Has hundreds of parts. 4-transistor amplifier, printed circuit board, variable condenser, manual. Batteries below. 21½x13½x2¼".

22 C 3659 X. Shpg. wt., 3½ lbs. . . . . **14.95**  
18 C 5870. Battery. Use 4. 10 oz. Pkg. 2/20¢



**Electric Build-It Set \$8.95**

Has two electric motors, working panels, hundreds of parts. Over 30 projects—electromagnet, telegraph, traffic signals, more. Order two batteries below.

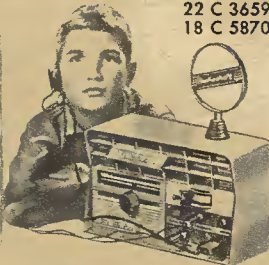
22 C 3660 X. 3 lbs. . . . . **8.95**  
18 C 5870. Batt. 10 oz. 2/20¢



**Telephone Amplifier Kit \$5.49**

Make "conference" calls from regular phone calls. Place phone in amplifier unit and everyone can talk and hear. Automatic. Order batteries below (uses 1).

22 C 3658. 1½ lbs. . . . . **5.49**  
18 C 5990. Batt. 6 oz. . . . . **2/59¢**



**Remco AM Radio Kit \$6.49**

AM transistor radio kit with cabinet, headphone, antenna. Tunes 540-1600 kHz. Crystal diode detector; transistor amplifier. Order two batteries below.

22 C 9546 X. 3 lbs. . . . . **6.49**  
18 C 5862. Batt. 5 oz. 2/38¢



**Remco Auto Lab Kit \$4.99**

Accurate replica of auto chassis has operating 3-speed transmission and differential, brakes and steering mechanism. See-through differential shows ring and pinion gears.

22 C 9547 X. 3 lbs. . . . . **4.99**

Buy a Fun-Filled Kit Today—Use Allied's Credit Fund Plan

**ALLIED 533**





## Professional-Quality KG-415 Tape Deck Kit

"Judging by the almost flowless way it records and reproduces sound... costs a full third less than it's worth."

POPULAR SCIENCE

"The Knight KG-415 is, without a doubt, one of today's best values in tape recorders."

HI-FI/STEREO REVIEW

### CHECK THESE FEATURES

- ✓ Solid-State Record-Play Preamps
- ✓ Three 4-Track Hyperbolic Heads
- ✓ Two Record-Play VU Level Meters
- ✓ Preassembled Viking Transport
- ✓ Push-to-Reset Digital Counter
- ✓ Cue Control for Easy Editing

**NEW** \$249<sup>95</sup>  
**LOW** less case  
**PRICE** \$13 monthly

"... the equal of most recorders selling for \$400 to \$700... We know of nothing near its price which is comparable to it."

ELECTRONICS WORLD

"The whole KG-415... is an impressive piece of hardware. The instructions are masterful... a superb value..."

RADIO-ELECTRONICS





**NEW**

**ALLIED**

**Feature-Packed Solid-State Stereo Tape Recorder with Built-in Speakers**

**ALLIED TR-1035 Three-Speed Stereo Tape Recorder**

**\$159<sup>95</sup>**

\$8 monthly

- Stere Amplifier Delivers Five Watts Output Power
- Automatic Tape Lifters Protect Heads During Rewind
- Includes Separate Volume Control for Each Channel
- Automatic Shutoff • Can Be Used as a Tape Deck

An outstanding value. This new Allied solid-state hi-fi stereo tape recorder is priced far below what you would expect to pay for a recorder of this quality. Records and plays four-track stereo with superb tonal clarity and response. Solid-state stereo amplifier delivers five-watt output to two built-in wide-range speakers. Compact for easy portability. Provides brilliant, true-to-life stereo, as well as wide-range mono. Separate volume and tone control lets you adjust sound to suit room acoustics. Includes preamp outputs for use as tape deck to play through your music system for even greater stereo realism.

Two large, easy-to-read dual-comparison level meters assure you of perfect recordings every time. Other features: single-knob function control with instant stop and push-to-reset digital counter for easy editing; automatic tape lifters to protect heads during fast forward and rewind; automatic shutoff at end of tape; front-panel stereo headphone jack; speaker on-off switch. Handsomely-styled vinyl-covered portable case. With 7" takeup reel, two mikes, and patch cords for taping direct from radio-TV-phonos. From Japan. Shpg. wt., 32 lbs.

15 C 7577 U. \$8 Monthly..... 159.95

**SPECIFICATIONS**

Speeds: 7 1/2, 3 3/4, 1 1/2 ips. Frequency Response: 40-15,000 Hz at 7 1/2 ips; 60-10,000 Hz at 3 3/4 ips. Flutter and Wow: less than 0.25% at 7 1/2 ips; 0.3% at 3 3/4 ips. Signal-to-Noise Ratio: -45 dB. Harmonic Distortion: less than 2%. Inputs: 2 mike, 2 auxiliary. Outputs: preamp, external speakers, stereo headphone jack. Maximum Reel Size: 7". Size: 12 1/2 x 15 3/4 x 7 3/8". Power Requirement: 110-120 V, 60 Hz AC.

**DELUXE FEATURES**



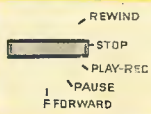
Large Easy-to-Read Dual-Comparison Level Meters



Front-Panel Stereo Headphone Jack for Private Listening



Record Interlock Button Prevents Accidental Erasure



Five-Position Function Control With Instant Stop



Push-to-Reset Digital Counter For Easy Editing