

## Delluxe LAFAYETTE LR-20 Solit State AM/FM Stereo Radio

 with Separate Matching Olled Walnut Wood Speaker Systems

- 49 Solid State Devices Gives You 12 Watts of Music Power Tu Drive The Two Full Range $61 / 2^{\prime \prime}$ Speaker Systems
- Automatic FM Stereo Switching
- Stereo Headphone Input Jack


Brilliant and rewarding AM/FM/FM stereo radio perform ance is the result of demanding stereo engineering. Proof of this superb engineering is Lafayette's LR-20. The char acteristics of a fine hi-fi stereo component music system have been incorporated into the LR-20. You get rich hi-fi modular styling, exceptional quality, and flawless per formance. The LR-20 employs 49 solid state devices, and because of the amaring reliabillty of these devices, you are assured of superior radio performance for years to come. The two separate $61 / 2^{" \prime}$ rich sounding wide range matching oiled walnut wood speaker systems permit you to enjoy true stereo separation. A perfect optional addition to the LR- 20 is the new Lafayette 4 -speed automatic "mini" stereo record changer with diamond LP needle. stereo phono system at an amazingly low cost. A deluxe feature of the LR-20 usually found only in more expen sive hi.fi receivers is automatic FM stereo switching. This permits the LR-20 to automatically switch to stereo mode when you tune to an FM stereo station. A stereo indicator bulb lights up during reception of FM stereo broadcasts. Control Complement includes: Function Selector for AM, FM. FM AFC, Phono-Aux; Volume/Balance continuous Tone (Dase/Treble); Mode switth (stereo-
mono); Tuning; Main On/Off; and Loudness compensator switch; stereo headphone jack. Quality components used include 26 -transistors, 19 -diodes and 4 -thermistors. AM RF Section features a separate $\mathbf{3 - g a n g}$ tuning condensor, and incorporates a built-in AM ferrite rod antenna; Tuning Range: $540-1600 \mathrm{kHz}$. FM RF Section features a 3 -gang air variable tuning capacitor and connection for external 300 -ohm antenna; Tuning Range: $88-108 \mathrm{mHz}$. Overall Sensitivlty: $7 \mu \mathrm{v}$; Stereo Separation: $30 \mathrm{db} @ 400 \mathrm{~Hz}$. Amplifie section produces 12 -watts power ( 6 watts per channel) housed in beautiful oiled walnut wood enclosures. Control housed in beautiful oiled wainut wood enciosures. Control unit is housed in a handsome simulated walnut metal en.
closure. For $117 \mathrm{~V} .0^{\prime} 50^{\prime} 60 \mathrm{~Hz} \mathrm{AC}. \mathrm{Size:} \mathrm{Control} \mathrm{Unit-} 15 \mathrm{~W}$ $\times 41 / 4 \mathrm{H} \times 10^{1 / 4} 4^{\prime \prime} \mathrm{D}$.; Speakers $71 / 2 \mathrm{~W} \times 93 / 4 \mathrm{H} \times 51 / 9^{\circ " \mathrm{D}}$. Imported. Shpg. wt. 24 99 T3549wx \$5 Monthly

Net 99.95
DELUXE LAFAYETTE 4-SPEED "MINI" AUTOMATIC STEREO RECORD CHANGER mounted on matching walnut base with tinted plastic dust cover and diamond LP needle (See page 119 for complete description). Dimensions: $143 / 8 \times 5 \times 10^{\prime \prime}$. Shpg, wt., 7 lb
$\mathrm{N} \in \mathrm{l} 34.95$


LR-20 with the Lafayette "Mini" 4 Speed Automatic Record Changer on Matched Oiled Walnut Base

## NO MONEY Down

## Up To 2 Years To Pay

## LOW MONTHLY PAYMENTS



## EASY PAY CREDIT PLANS

TO SUIT YOUR INDIVIDUAL NEEDS

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No need to wait to enjoy anything you need from LAFA YETTE HERE 15 HOW YOU MULTIPLY YOUR SHOPFING DOLLAR UP TO 20 TIMES

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See Easy Pay Schedule on bock of Order Blank

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Enjoy the extra convenience of shopping by phone. Simply dial 516 . 921 -7500. Just give your C.O.D. order to our personal service shopper and your shopping is done, quickly and easily.
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Visit any of our large, modern, conveniently 10 cated stores listed on page 6. Select from wide assortment of cata log and special merchan dise.

## NOW LAFAYETTE Gives You Up To 20 Times More SHOPPING POWER For Your Dollar

## NO MONEY DOWN

Lafayette's two convenient credit plans are now easier than ever to use. Easy to open, easy to use, easy to pay. Now no down payment required.

Widest selection of the finest hi-fi, stereo, components, systems, C.B., and radio electronic equipment is at your fingertips in this catalog, along with tape-recorders, musical instruments, accessories, and useful items of all kinds.

Outstanding quality is the hallmark of all Lafayette products. Exacting specifications, through inspection and double checking are your assurances of the best merchandise for the price.

To serve you better, automated order filling system with the latest in mail order processing means most orders are shipped within 24 hours.

Satisfaction is guaranteed. When you buy from Lafayette, you buy with confidence. See page 453 for our guarantee.

Lowest prices are assured by Lafayette's huge buying power combined with minimum overhead and operating costs. We believe every item in this catalog to be as low or lower than the same merchandise in any other mail order catalog. We guarantee to meet any price you find lower than ours.

## Buy TODAY - to use and enjoy immediately

## IT IS EASY TO OPEN A CREDIT ACCOUNT AT <br> afayette

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LAFAYETTE
Stereo Receiver

## 60-Watt Solid-State AM-FM Stereo Receiver



## Model LR-500T

With New Revolutionary IC's for Outstanding Performance

- 60 Watts Of Flawless Stereo Output Power
- Automatlc FM Stereo Switching and Indicator Light
- Illuminated Tuning Meter for Accurate FM/AM Tuning
ust add speakers and an antenna, then sit back and enjoy the magnificent FM stereo sound that comes from the finest 6o watt Solid-State AM/FM Stereo receiver we have ever buit. Employing space-age technology in its design, the LR5007 incorporates 4 revolutionary Integrated Circuits and 2 high-performance Field Effect Transistors in the FM section to provide exemplary FM stereo reception. And, because of he amazing reliabily or these many years to come of this superior performance for many years to come.
Advanced solid-state engineering has been applled to other areas of the recelver too. AM broadcast reception Is improved to let you hear your favorite AM stations wlth maximum pos. to let you hear your favorite AM stations with maximum pos.
slble fidelity. There's a bulti-ln AM antenna for local stations, plus provision for an external antenna for those distant, hard-to-get stations. And all program sources are superbly reproduced through the audio section. 4 rugged silicon output tran.

Fused Output Transistors - Protects Transistors Against Shorts or Overloads

- Exclusive Front and Rear Panel Tape Output Jacks
- Speaker Mode Switch Activates Main and/or Remot Speakers
- Front Panel Stereo Phone Jack
sistors dellvering 60 watts of stereo music power with full fidelity assure you of stunning realism. And there's every needed control for complete liexibility of operation, plus a full range of stereo inputs to accommodate virtually any external program source. You get outputs for stereo tape recording (both front and rear of unit for convenlence), provision for 4,8 or 16 ohm maln and remote speakers, plus a
stereo headphone receptacle. Check the distinctive styling too. There's a handsome brushed gold anodized extruded aluminum front panel with matching knobs and, at no extra cost, you get a vinyl-clad heavy gauge metal enclosure with the simulated look of rich walnut wood-graln. Size: $15 \mathrm{~W} \times 120 \times 5 \% \mathrm{H}$. for $117 v 50 / 60 \mathrm{~Hz} \mathrm{AC}$. Imported. Shpg. wt., 27 lbs 99 T 0182WX $\$ 9$ Monthly
Attractive Olled Walnut Cabinet for LR-500T.
21 T 0156 wx Shpg. wt., 6 lbs.
*See page 453 for full AAA guarantee details.


## SRLAFAYETTE <br> Stereo Receiver



Deluxe 120-Watt Solid-State AM-FM Stereo Receiver Model LR-1000T COMPUTOR-MATICT.m. (Pat. Pend.) Protective Circuitry For Audio Power Stages

- Center Channel Output High/Low Phono Sensitivity Switch
- Exclusive Front and Rear Panel Tape Output Jacks

4

+ 31 Transistors
+2 FET'S + 17 Diodes
For Years of Concert Quality Listening Pleasure...


Selector Switch Determines the Mode of Operation For The Receiver-AM, FM Filter, FM, Phono, Tap Head and Auxiliary.

## FULL 2 YR.

## GUARANTEE*

## TUNER SECTION

## SPECIFICATIONS

4 Gang Tuning Condenser. Usable FM Sensitivity IHF: $1.65 \mu \mathrm{~V}$. FM Stereo Separation: 38 db @ 400 Hz . Signal-to-Noise Ratio: 68 db . Spurious Response Rejection: 95 db . Harmonic Distortion: © $100 \%$
modulation. $0.4 \%$. Capture Ratio: 1.5 db . Cross Modulation Index: 90 db . FM Antenna Impedance: 300 ohms balanced. Am section: 3 gang tuning condenser. IHF External antenna sensitivity: $18 \mu \mathrm{~V}$. AMPLIFIER SECTION
Power: 120 watts (IHF) @ 4 -ohm; 60 watts per channel, 95 watts @ 8 ohms. Frequency Response: $22-20,000 \mathrm{~Hz} \pm 1 \mathrm{db}$. Harmonic Distortion: @ rated output, less than $1 \%$. IM Distortion: @ rated output, $0.4 \%$. Hum and Noise: Tape Head, 57 db ; Phono (hlgh), 57 db ; Auxiliary, - 75 db . Power Bandwidth: $20-40,000 \mathrm{~Hz}$. Input Sensitivity: Tape Head, 2.5 mv ; Phono (high), 2.2 mv ; Phono (low)
7 mv ; Auxillary, 270 mv . Output Impedance: $4-16 \mathrm{ohms}$ low impedance stereo headphones.
t 120 Watts of Sterling Stereo Output Power Automatic FM Stereo Switching Interstation Muting Control Built-in FM Antenna plus Loopstick AM Antenne The exceptional component quality and endur- for direct tape recording without use of a
ing performance of the LR-1000 contributes separate amplifier: tape monitor and loud ing performance of the LR-1000t contributes separate amplifier; tape monitor and loud
directly to Its superb sound reproduction. Fea.
ness switches: mode and
selector switches tures the new space age miracie, Integrated Clircults ("IC's"), plus FET's in the tuner front end to assure you of outstanding selectivity, stability, and superior capture ratio; ingenious computer-type circuitry (patent pending) for protection of audio driver and power output transistors. In addition to advanced circuitry the sound to your particular taste: separate Bass, Treble, and Volume controis plus a Balance control. Other features include special filter that can be switched in or out from the front panel to minimize high frequency nolse; precislon vernler tuning control; front panel headphone output jack: lape output jack
9 Lafayette Cat. No. 690
special muting control; sipnal strength tunling meter; colored function llghts and automatic FM stereo indicator light. Complete Input and output facilitios designed for easy installation and connectlon to any program source or ex. ternal components. It's professional stylling is enhanced by a brushed gold anodized ex.
truded aluminum front panel and simulated truded aluminum front panel and simulated AC. SIze: $157 / 8 \times 43 / 6 \times 111 \% / 40$. Imported.
 Attractive Oiled Walnut Wood Cabinet for R-10007.
${ }_{21}$ T 015 jwx Shpg. wt., 6 lbs.

# LAFAYETTE Award-Winning LR-1500T 175 Watt Deluxe Solid State AM/FM Stereo Receiver 



4 Integrated Circuits and

810

2 Field Effect Transistors



Expertly Crafted for years of Concert Quality Performance


- 175 Watts (!HF) Output Power
- IHF FM Sensitivity $1.5 \mu \mathrm{~V}$
- Automatic Stereo FM Switching
- Adjustable Automatic Interstation Muting
- Center Channel Output

Lafayette's finest deluxe solid state AM/FM stereo receiver! The LR-1500T 175-watt stereo recelver is expressly engin eered to blend the ultimate in high fidelity sound with superb perrormance, LR-1500T includes 4 revolutionary new Integrated Circuits (IC's) and 2 high-performance Field Effect Transistors to provide truly sterling FM stereo reception. You'll hear more stations - the weak as well as the strong. With amazing. noise-free clarity! Incorporates up-to-the minute technological advances for high rellabilty and exceptional per formance for many years to come. Amazing new patent pending computer designed protective circuatur protection against burnout or failure of audlo driver and power output transistors. Utilizes a complete se of automatic and manual controls such as: Automatic FM stereo/mono swltching; sharp, adjustable Muting circuit to silence the receiver when tuning between stations; dual sys tem speaker.switch permits enjoyment of stereo in one or

Protective Circuitry For Audio Driver And Power Stages

## FULL 2 YEAR

## GUARANTEE *

Built-in AM and FM Antennas

- Illuminated Selector Function Indicator Jewels
- Exclusive Front and Rear Panel Tape Ouput Jacks
- Massive, Regulated Power Transformer Insures

Proper Tuner/Amplifier Operation
two rooms separately or simultaneously; direct tape monltor switch for tape monltoring without changing cable connections; and a center channe low level output for monaural magnetic phono and for ceramic/crystal cartridges. AM if section has a separate $3-g a n g$ tuning condenser and in stage to accommodate the full sound potential of standard AM broadcasting. Incorporates built-in FM and AM antennas plus connections for external local and distant FM and AM antennas. Distinctively styled to enhance any decor. Feapanel with matching knobs and Includes an attractive vinyl. clad metal enclosure finished with the simulated look of rich walnut wood-grain. For 117V., 50/60 Hz AC, Imported. Size: $163 / 4 \times 43 / 4 \times 141 / 4 " \mathrm{D}$. Shpg. wt., 43 lbs . 99 T $0190 \mathrm{WX} \$ 15.00$ Monthily

Net 299.95
Atractive Oined Walnut Wood Cabinet for LR-15001
21 T O158WX Shpg. wt., 6 lbs. ........................................ 19.95

| Softly Illuminated $\mathrm{D}^{\prime}$. Arsonval Signal Strength Meter Per. mits Fast, Accurate Tuning on FM \& AM. | FM <br> STEREO <br> Automatic FM Stereo Swltching. Receiver automatically switches to stereo mode and lights indicator when you tune to a stereo station. |
| :---: | :---: |
| 2 AC convenience outlets (1 switched). | Interstation Muting Control Eliminates Noise Between Stations when Tunlng. |
| Phono Senslitivity Switch matches phono and tuner sound output. eliminates blasting. | Speaker Mode Switch. Switches sound to main or remote speakers separately or to both sets of speakers simultaneously; plus head. phone-only position for private listening. |

AMPLIFIER SECTION: Power: 175 Watts (IHF) @ 4 ohms 120 watts @ 8 ohms. Total Harmonic Oistortion @ rated output: under $1 \%$; @ 1 watt. $15 \%$. Frequency Response Hum and Noise: Tape HD Power Bandwidth: $12.40,000 \mathrm{~Hz}$ - 75 db . Input Sensitivity: Tape HD., 2.5 mv ; Phono, (high) 1.8 mv , (medium) 4.5 mv . (low) 12 mv ; Aux. 270 mv . - Output Impedance: 4,8, and 16 ohms.

- See page 453 for complete AAA guarantee details

FM SECTION: 4 Gang Tuning condenser. Tuning Range: 88 . FM SECTION: 4 Gang Tuning condenser, Tuning Range: 88 . Selectlvity: 40 db . Total Har. Dist. @ $400 \mathrm{~Hz}: 0.3 \%$. Stereo Separation: $40 \mathrm{db} @ 400 \mathrm{~Hz}$. S/N Ratio ( $100 \%$ Modulation): 68 db . Spurious Response Rejection: 95 db . Crossmodulation Index: 90 db . Antenna Impedance: 300 ohms balanced. AM SECTION: 3 Gang Tuning Condenser. Tuning Range: 535 1605 kHz . External Antenna Sensitivity: $15 \mu \mathrm{~V}$.

## LAFAYETTE deluxe SOLID STATE AM/FM STEREO TUNER



4 IC's PLUS 2 FET's, 17 TRANSISTORS, 16 DIODES
FULL 2 YEAR GUARANTEE*
Tune more stations than you ever thought possible before! Unprecedented clear re. production of weak as well as strong stations with least outside noise interference! 2 FET's used in the separately shielded front end section provide a high degree of overload capability, minimum cross-modulation, and stronger image rejection. 4 IC's are used in the IF amplifier section for hard limiting, excellent temperature stability. and increased reliability. Each of these Lafayette type IC's contains 5 transistors. and 2 resistors. Front panel controls include: Tape output jack; AM/FM selector switch; meter function selector switch; Muting control; Filter In/Out; Mono/Stereo Mode switch; Power Off/On; and Tuning control. The LT-425T, with its handsome brushed aluminum rold anodized extruded front panel, and simulated walnut wood grain case makes it ideal for any decor. Size: $13 \times 37 / 6 \times 9 \% / 32^{\prime \prime}$. For $110 \mathrm{~V} ., 50 / 60 \mathrm{~Hz} \mathrm{AC}$. Imported. Shpg. wt., 16 Ibs.
99 T 0184Wx $\$ 6.50$ monthly ................................................................................. 109.95
SPECIFICATIONS. FM SECTION: 4 Gang Tuning Condenser. FM Sensitivity, IHF: $1.6 \mu \mathrm{~V}$. Harmonic Distortion@ $100 \%$ Modulation, $0.4 \%$. Image Response: 85 db . Selectivity: 40db; Capture Ratio: 1.5 db ; MPX Channel Separation: 38 db at 400 cycles. Cross Modulation Index: 90 db . Esternal Antenna Impedance: $\mathbf{3 0 0} \mathrm{ohms}$ (balanced). AM SECTION:

- Front Panel Tuning / Zero Center Meter For Accurate Tuning of Stations
- Fully Automatic Stereo Indication
- Muting Control For Elimination of Noise Between Stations While Tuning
- Noise Filter Minimizes Static Interference
- Built-In AM/FM Antennas
- Front and Rear Panel Tape Output Jacks


Experience superb FM that's virtually free of outside electrical interference! Discover more AM stations across the tuning dial! Has an FET front-end for high sensitivity and minimum noise pickup, plus high quality seml-conductors ( 16 -transistors and 14 -diodes) offering all the advantages expected from solid state circuitry-instant operation, low current consumption, cool operation, and minimum distortion. An advanced feature is the fully automatic FM stereo-mono switching system for automatic reception and identification of stereo programs. Included is a signal strength tuning meter and balanced flywheel tuning control for more precise station tuning. Other features are: Built-in AM and FM antenna systems for reception of local stations; illuminated slide rule dial: and stereo indicator light. Handsomely styled die-cast aluminum front panel with black metal case. Size: 11 W $\times 41 / 4 \mathrm{H} \times 811 / \mathrm{si}$ "D. For 117 V ., $50 / 60 \mathrm{~Hz}$ AC. Imported. 99 T 0197 wx Shpg. wt., 12 lbs. $\$ 5$ Monthly

SPECIFICATlows
FM: 3 Gang Tuning Condenser. Tuning Range: $88-108 \mathrm{MHz}$. IHF Sensitivity: $3 \mu \mathrm{v}$. Image Rejection: 55db. IF REJECTION: 80 db . Capture Ratio: 3.0 db . Signal-to-Noise-Ratio: -55 db . Stereo Separation: 30 db . Antenna: Built-in FM system plus provision for 300 -ohm external antenna.
AM: 3 Gang Tuning Condenser. Tuning Range: $540-1605 \mathrm{kHz}$. Image Rejection: 50 db . Antenna: Built-in AM system plus provision for external antenna. Outputs: Amplifier; Tape Recorder-lv. at $100 \%$ mod.
See Page 453 For Full Details AA A Guarantee.


# 50-Watt Solid State Stereo Amplifier 

## Advanced Features for Better Listening

- IHF Music Power: 50 Watts
- Frequency Response: $20 \cdot 20,000 \mathrm{~Hz}$ @ 1 Watt $\pm 1.5 \mathrm{~dB}$
- Hi-Filter For Elimination of High Frequency Noises
- Smart Distinctive Styling

A fresh startiling concept of excellent craftsmanship and personal pride in manufacture and production. .the LA 450 is perfectly suited for any "high quallity i" minimum priced stereo system! Full solld state circuitry delivers a fult 50 -watt punch, and faithfully reproduces audio sound with an ultimate degree or realism. The controis and
heavy-duty rocker switches are smooth and positive acting and reflect the quality of workmanshlp and attention to detail. Front Panel controls include Volume, Channel Balance, Bass and Treble, Stereo/Mono Mode, Input Selector for choice of program source, Hi-Filter, Speaker Mode Loudness, and Power On/Off. Tone control's work on both channel's simultaneously. Front panel jack permits stereophonic headphone listening. Rear panel jacks accommodate all program

- Front Headphone Jack For Private Listening
- 9 Versatile Controls
- Front and Rear Tape Output Jacks
- Speaker Mode Selector Switch Permits Main, Main and Remote, or Remote Speaker Output
sources that are normally included on the most sophisticated amplifiers: separate palis of Inputs for magnetic and ceramic phono; luner; and auxiliary. Main and remote speaker outputs are fused to protect output translstors
against speaker shorts, Outputs (front and rear) allow against speaker shorts. Outputs (tront and rear) allow convenience outlets ( 1 -switched) provide AC power to ex ternal component equipment. Smartly and distinctively styled, its black silhouette front panel with silver trim is complementary to most decors. Housed in a black wrinkle metal enclosure. (For Matehing Tuner see LT. 225 on Page 12.) For $117 \mathrm{VAC} 50 / 60 \mathrm{~Hz}$. Size: $101 / \mathrm{K}_{6} \mathrm{~W} \times 3 / / 8 \mathrm{H} \times 81 \mathrm{~K}$ / "D. $1 \mathrm{~m}-$ ported. Shpg. wt.. $131 / 2 \mathrm{lbs}$.
99 T 0196 WX
$\$ 5$

Net 74.95
*For Complete AAA Guarantee Details See Page 453


## IHF Music Power: 50 SPECIFICATION

inF Music Power: 50
sponse:
$20.20,000$
$\mathrm{~Hz}+1.50 \mathrm{t}$, 25 watts per channel. Frequency Response: $20-20,000 \mathrm{~Hz} \pm 1.508$. Harmonic Distortion: $1 \%$ or less.
Hum and Noise: Magnetic Phono $53 d 8$. Auxiliary tivity: Magnetic Input 3 mV ; Auxiliary 250 mv . Speaker outputs for all 4, 8, and 16 ohm impedance speakers. Solid state Circuitry: 20. Transisfors, 4-Diodes.

30-Watt Solid State
LAFAYETTE


Extruded Brushed Alumimum Geld Anodized Frovet Penel.

Front Panel hesdghiono jack permits peivate istoning so your favorite stereo source.

AC sexvantence outlet on rear penel provides pewer to asseciated equipment.

Conctintric Centrol varies Vofurn of aach or beth channeis.

Tape smeprder output jacka for roonriting threugh your tape recorder.


SPECIFICATIONS
Power Output: 30 -watts IHF; 15 -watts per channel. Frequency Response: $30-20,000 \mathrm{~Hz} \pm 2 \mathrm{db}$ at 1 -watt. Harmonic D istortion: $1 \%$ or less. Hum and Noise: Mag phono - 50 db ; Tuner/Auxiliary - 65 db . Sensitivity: (Mag input) 3 mv at 1 -watt; tuner/auxifiary 250 mv .
Crosstalk: 45 db at $1,000 \mathrm{~Hz}$. Controls: Power on/off, Spkr/Phone, Bass, Treble, Mode (Mono, Stereo). AC receptacle. Complement: 19Transistors, 8 -Diodes.
14 Lalayette Cat. No. 690

All Solid State...
Cool, Instantaneous Operation
19-Transistors, 8-Diodes

ONLY $59^{95}$

No Money Down
FULL 2 YEAR GUARANTEE*

- IHF Music Power 30-Watts Total at 8 Ohms
- Frequency Response $\mathbf{3 0 - 2 0 , 0 0 0 ~ H z ~ a t ~ 1 - W a t t ~}$ $\pm 2 \mathrm{db}$
- Complete With Attractive Complementary Case
- Stereo Headphone Jack on Front Panel

A "Remarkable" value by any standard of comparison. Offers strikingly pure sound reproduction, and ample power for most speaker systems. All the characteristics of a quality $\mathrm{Hi}-\mathrm{Fi}$ amplifier have been incorporated into the LA-224T. Attractive silim styling permits unrestricted placement of this unit in the home. 30 -watts power supplied through the use of 19 -transistors, 8 diode circuitry for instant, cool operation, low current drain, minimum distortion and noise, excellent frequency response. A full complement of front panel controls have been provided for maximum stereo capability. Dual Concentric Volume, Bass and Treble controls allow independent level control over each channel. Mode switch controls mono, or Stereo operation. Selector switch determines external music source: Phono; Tuner or Auxiliary positions. An additional switch has been provided for speaker or headphone Ilstening. Rear panel features an AC convenience outlet and tape recorder output jacks for recording through your tape recorder; complete with paired input jacks for Magnetic, Crystal or Ceramic cartridges. Speaker outputs for all 4, 8, and 16 ohm impedance speakers. Advanced design insures longer life of the semi-conductors in the unit. Attractive, brushed aluminum, goid anodized, extruded front panel with complimentary metal case. Size: $101 / 4 \mathrm{~W} \times 3 \%_{0} \mathrm{H} \times 71 \mathrm{H}_{0}{ }^{\circ} \mathrm{D}$. Shpg. wt., 9 Ibs. For 110 to $125 \mathrm{~V} 50 / 60$ cycles AC. Imported.
$99 \mathrm{~T} 0167 \mathrm{Wx} \$ 5.00$ monthly $\qquad$ Net 59.95
*See Page 453 For Complete AAA Guarantec Details

# FR LAFAYETTE <br> Stereo Amplifier 85-Watt Solid State Stereo Amplifier For Rich Room-Filling Hi-Fidelity Performance 



## 20 TRANSISTORS +4 DIODES

| Front panel <br> stereo <br> headphone <br> jack. |
| :--- | :--- |
| Remote/Main |

- See Page 453 For AAA Guarantee Details


## ONLY 95 With Case

\author{

* FULL 2-YEAR GUARANTEE
}
- 85 Watts of Stereo Power
- Cool \& Instant Operation
- Tape Record Inputs
- Playback Outputs
- Brushed Aluminum, Gold Anodized Extruded Front Panel

Quality solid state stereo preamplifier and dual channel 85 watt amplifier on one integrated chassis. Compact $13^{\prime \prime} \times 37 / e^{\circ} \times 91 / 4^{\prime \prime}$ size and minimum of heat make for easy installation anywhere. Instant play, no waiting for warmup, and lasting trouble-free operation with an exceptionally low degree of hum and noise are characteristic of this quality transistorized amplifier. The LA-85T also features 4 -stereo inputs which accept stereo/monaural phonc, tape head, tuner, and auxil-

- Simulated Walnut Wood Grain Case
- Direct Coupled Output Matches 4, 8 or 16 -0hm Speakers
- Fused Output Transistors
- 2 AC Convenience Outlets (1 Switched)
iary; speaker outputs for 4, 8, or 16 -ohm impedance, plus convenient front and rear outputs for direct stereo taping. Controls include: Bass and Treble tone controls; separate dual concentric Volume control for each channel; Mode switch selects R/L input, Mono, Stereo, Reverse and Tape Monitor; Selector switch selects any of 4-different program sources. For 110 V ., $50 / 60 \mathrm{~Hz} \mathrm{AC}$. Imported. Shpg. wt., 17 lbs.
99 T 0187WX
Net 99.95


## SPECIFICATIONS

IHF Music Power: 85 watts at 4 ohms total; 60 watts into 8 ohms. Frequency Response: 22-20,000 $\mathrm{Hz} \pm 1 \mathrm{db}$. Harmonic Distortion: less than $1 \%$ at rated output; $.2 \%$ at 1 watt at 1 kHz . Channel Separation: 65 db at 1 kHz . Hum and Noise: Tape Head and Phono -57 db ; Aux and Tuner -75 db.

Input Sensitivity: Aux and Tuner 270 mV ; Tape Head and Phono less than 2.5 mV . High Frequency Filter: -10 db at 10 kHz . Tone Controls: 25 db range at 50 Hz ; 24 db at 10 kHz . Loudness Control: +11 db at $50 \mathrm{~Hz}_{;}+3.5 \mathrm{db}$ at 10 kHz .


Monitor switch for tope playbock ond recording


# 125 WATT SOLID STATE STEREO AMPLIFIER <br> Enjoy The Richness Of Unexcelled Stereophonic Sound! 

Deluxe Lafayette solid state 125 watt single chassis preamplifier and ampliffer. Its desirable $13^{\circ} \times 37 / 6^{\circ} \times 91 / 4^{\prime \prime}$ size and cool transistorized circuitry make it ideal for any location in your home. Produces a full 125 watts of audio power from $20-20,000 \mathrm{~Hz} \pm 2 \mathrm{db}$ with virtually no faltering at either end of the response range. The circuitry incorporated within the LA-125T will provide years of trouble free operation. Concentric Balance/Volume. Treble, and Bass Controls provide easy adjustment on both channels. Four "rocker" type switches for Low Filter, High Filter, Loudness Switch for tonal balance at low volume levels. Tape Monitor Switch for monitoring tape while recording, and playing tape back through amplifier. Three quality multiposition rotary switches for Speaker Mode, Amplifier Mode, and Program Source Selector. Front panel also has pro visions for Stereo Headphones, Tape Output, and Microphone or Musical input. The rear panel provides you with 12 inputs ( 6 inputs per channel), and 2 outputs for tape recording direct through ampllfier. The 12 stereo inputs include: Magnetic, Ceramic phono cartridge; Tape Head input for direct connection to tape deck that does not have a playback preamplifier; Tuner; Auxiliary; and Tape Input for connection of a tape deck that has its own preamplifier. Left and Right speaker connections permit the use of 4,8 , or 16 ohm speakers. Special remote speaker terminals are provided for remote placement of speakers anywhere in your home. Includes Computor. Maticim protective circuitry for protection against burnout of audio driver transistor and audio output transistors. For 117 volts AC, 60 cps Maximum power consumption 115 watts. Shpg. wt., 19 ibs. 99 T $0185 \mathrm{WX} \$ 7{ }^{\circ} \mathrm{Monthly}$
*See page 453 for AAA guarantee details.

## - COMPUTOR-MATICTM (Pat. Pend.) Protective Circuitry For Audio Power Stages

- 125 Watts of Stereo Power
- Low and High Frequency Filters
- Heavy Duty Transformer Operated Power Supply
- Direct Coupled Output Matches 4,8 , or 16 Ohm Speaker
- Simulated Walnut Wood Grain Case
- Brushed Aluminum, Gold Anodized Extruded Front Panel
- Tape Output Jacks, Front and Rear


## SPECIFICATIONS

IMF Music Power: 125 watts at 4 ohms, 95 watts at 8 ohms. Frequency Response: $22-20,000 \mathrm{~Hz} \pm 1 \mathrm{db}$. at 1 watt. Power Bandwidth: $20-40,000 \mathrm{~Hz}$. Harmonic Distortion: at 1 kHz., less than $1 \%$ at rated power; $.2 \%$ at 1 watt. Channel Separation: 65 db . at 1 kHz . Hum and Noise: Aux. and tuner -75 db , tape head, phono, and microphone - 56 db . Input Sensitivity: aux. and tuner, 270 mv ; tape head 2.5 mv ; phono (cer), $80 \mathrm{mv}_{\mathrm{i}}$ phono (mag), H, 2.2 mv i. 7 mv ; Mic/Guitar, 6 mv . Low Frequency Filter: - 17 db at 20 Hz . High Frequency Filter: -10 db . at 10 kHz . Loudness switch: +11 db at $50 \mathrm{~Hz} ;+3.5 \mathrm{db}$ at 10 kHz . Tone Controls: 25 db at $50 \mathrm{~Hz}, 23 \mathrm{db}$. at 10 kHz .

# LAFAYETTE "STEREO 20" 20-Watt SRAFAYETTE Solid-State Stereo Amplifier 

## $39^{95}$

 including deluxe wood enclosure
## Deluxe Styling..... High Quality Sound


#### Abstract

\section*{- 20 Watts of Power at 80 hms} With 20 watts of power ( 10 each channel), the Stereo 20 owers full. wide-range response for outstanding music reproduction. Modern solld-state design assures you of top performance for years to come. Transformerless solid-state complementary symmetry output clrcuitry ensures extended response and lowest distortion, plus lonz life for the power transistors. Operating features include a source for selection of tuner or ceramic phono, a function switch for choice of mono or stereo operation, and a speaker mode switch for selection of main speakers, remote speakers, or headphones. There's a master volume control for both stereo channels, plus a separate batance control that lets you adjust indluldual speaker levels for best stereo effect. Separate


Power Output (IHF) 20 watts ( 10 per channel) at 8 ohrs. Fre.
Quency Response: 30 Hz to $40 \mathrm{KHz} \pm 3 \mathrm{db}$ ). Stereo Inputs: Phono quency Response: 30 Hz to $40 \mathrm{kHz} 1 \pm 3 \mathrm{db})$. Stereo inputs: Phono (ceramic/crystal), tuner. Input Sensitivity: for rated out jut, 0.1 volt. Stereo Outputs: tape output. Main Speaker Outputs, Remote

Speaker Outputs, Headphones. Controls: Master Bass, Master Treble, Balance, Master Volume, Phono-Tuner Switch, StereoMono Switch, Power On-Off Switch, Remote-Main Speaker Switch.
Soeaker Outputs, Headphones. Controls: Master 8ass, Master

## 20-WATT STEREO HI-FI PHONO SYSTEM FEATURING THE "STEREO 20"

Bass and Treble controls let you "tallor" the sound to suit your taste! Stereo outputs include provision for main and remote speakers rated from 4 to 16 ohms impedance (although highest power is obtained at 8 ohms), plus a front panel jack for stereo headphone lis. tening. Also features a tape recorder output that lets you record your favorite stereo music. You'll like the attractive, modern styling too
the satin-gold front papel wlth handsome walnut grain accent, the all-wood enclosure in rich walnut finish, plus the stylish, nonmar plastic legs. Stereo Inputs: Phono (Ceramic/Crystal), Tuner. Power Supply: AC Transformer operated with full-wave rectiflcation, $105 /$ 120 VAC. $50 / 60 \mathrm{~Hz}$ input. Size: $12 \mathrm{Wx} 73 / 4 \mathrm{D} \times 41 / 2^{\mu \mathrm{H}} \mathrm{H}$. Shpg. wt., 8 lbs. 21 T 0902WX $\$ 5$ Monthly No Money Down

Net 39.95

## SPECIFICATIONS

- Lafayette Stereo 20 Solid State Stereo Amplifier
- Lafayette Model 200 4-Speed Automatic Stereo Record Changer with Turnover Stereo Cartridge, and balanced feather weight Tone arm
A complete stereo high fidelity phonograph system effering high quality music reproduction at an unbelievable low price In addition to the outstanding Stereo 20 this system features the Lafayette Model 200 four-speed automatic record changer that permits dialing your own intermix of up to seven $7^{\prime \prime \prime}, 10^{\prime \prime}$, or $12^{\prime \prime}$ records of the same speed, a heavy precision $10^{\circ \prime}$ turntable, balanced feather weight tone arm equipped with a turnover stereo cartridge, plus auiomatic shutoff after last record. Changer comes complete with defuxe olled walnut Dase. Two rich-sounding Minuette 112 -way speaker systems, each containing a specially designed $5 \times 7^{\prime \prime \prime}$ woofer and a $21 / 2^{\prime \prime}$

- Two Latayette Minuette® II Diled Wainut, Decorator Styled, Ducted Port, Bass Reflex 2-Way Speaker Systems 2-1S ft. Lengths of Speaker Cable
- Oited Wainut Changer Base
tweeter with electrical crossover. Each compact decorator-styled enclosure is of a ducted port bass reflex design, with rich oiled walnut finish on all four sides for vertical or horizontal placement. Size: $157 \mathrm{c}^{\prime \prime} \mathrm{H} \times 6$ "W $92 / \mathrm{e}^{\prime \prime} \mathrm{D}$. Shpg. wt., 41 lbs.
21 T 9441 WXM $\$ 5$ Monthly
Net 89.95
Same system as above except with two famous Criterion 50 ductedport two-way bookshelf and/or floor speaker systems. Shpg. wt., 79 lbs.
21 T 9442 WXM $\$ 6.50$ Monthly
Net 117.95




From Individual Catalog Prices

## COMPLETE SYSTEM

 Only $265^{95}$No Money Down

# 60-WATT STEREO SYSTEMS WITH LAFAYETTE LR500才 SOLID STATE AM/FM STEREO RECEIVER <br> - Lafayette Model LR-500T 60 Watt Solid 

 State AM/FM Stereo Receiver- Garrard Base for Automatic Record Changer
- 2-Famous Lafayette "Criterion 50" WideRange 2.Way Bookshelf and/or Floor Speaker Systems (Oiled Wainut)

Complete stereo system above with choice of pickering V.15/AC-3, Empire 888, or Shure M75-6 stereo cartridge with dlamond stylus. The LR-500T gives you tomorrow's technical advantages today! The use of 4 IC's (Integrated Circuits) plus high performance FET's in the tuner front end section results in dramatic improvements in FM reception.
Garrard Model 40 MKII, world famous 4 -speed automatic record changer conforms to professional standards for rumble, wow, flutter, speed accuracy, and speed regulation. Has many features of more expensive turntables such as: Automatic Intermix, controls for auto/manual play, counterweighted tone arm, and a 4 -pole shaded "Induction Surge" motor.
2-Lafayette "Criterion 50's" complete the components of a superbly matched system. Each speaker system is a 2-way bookshelf type featuring an $8^{\prime \prime}$ woofer and a $4^{\prime \prime}$ tweeter to give you amazing life-like sound. Bass-reflex designed enclosure uses a ducted port to provide proper acoustic "tuning" of the enclosure. Electrical crossover achieves optimum performance of woofer and tweeter. Complete system is designed to blend with any decor. Complete with 30 ft. clear polarized speaker cable. Shpg. wt., 97 lbs.
21 T 9446WXM $\$ 12.50$ Monthly ............................... Net 265.95
Same system as above except with 2-Lafayette "Criterion $150^{\prime \prime}$ completely sealed and damped acoustic suspension speaker systems instead of "Criterion 50" speaker systems. Shpg. wt., 75 lbs .
21 T 9447 WXM $\$ 15$ Monthly
Net 301.95 You Save 52.30 from individual catalog prices!
Same system as 21 T 9446 WXM except with 2-Lafayette "Criterion 200A" 3-speaker, 3-way speaker systems (olled walnut) instead of "Criterion $50^{\circ}$ speaker systems. Shpg. wt., 111 lbs .
21 T $9448 W X M$ \$17 Monthly
Net 337.95


## - Chote of Cartridge



# DELUXE 120-WATT STEREO SYSTEMS WITH LRIOOOT SOLID STATE AM/FW STEREO RECEVER <br> - Lafayette Model LR-1000T 120 Watt Solid State AM/FM 5tereo Receiver <br> - Garrard SL55 4-Speed Synchro-Labe Automatic 



## ALTERNATE SPEAKER SYSTEMS



Turntable

- Pickering V-15/ACE-3 Stereo Cartridge with High Compliance Elliptical Diamond Stylus
- Garrard Base for Automatic Turntable
- 2-Famous Lafayette "Criterion 100A" Wide-Range 2-Way Bookshelf and/or Floor Speaker Systems (Oited Walnut)
89.90


## Total $\overline{424.25}$

Complete stereo system with " choice of Pickering V-15/ ACE-3, Empire $808 E$ or Shure M32E stereo cartridge with high compliance elliptical diamond stylus. The Lafayette Model LR-1000T features 120 watts of true component sound with enduring performance through the years to come! The tuner section provides exceptional selectivity, plus high image and IF rejection through the use of FET's and IC's in the tuner front end section. In addition to advanced circultry you have all the controls you need to adjust the sound to your particular taste.
Garrard SL55 features a new Synchro-Lab motor for smooth synchronous speed. Additional features that are equally im. pressive are: Oversized turntable; lightwelght tubular tonearm; stylus pressure adjustment; cueing control; cueing pointer; and automatic intermix operation, plus automatic or manual play. The SL55 is a perfect blend of high quality and performance, plus beauty.
2.Lafayette "Criterion 100A's" complete the components of a perfectly matched system. Each speaker system is a 2 -way bookshelf type featuring a $10^{\prime \prime}$ woofer and a $4^{\prime \prime}$ tweeter to give you amazingly life-like sound. Bass-reflex designed enclosure uses a ducted port to provide proper acoustic "tuning" of the enclosure with speakers being used. Transition from woofer to tweeter is achieved by means of an electrical crossover. Includes a high frequency brilliance control to enhance your listening pleasure. Complete system is designed to blend with any room decor. Supplled with 30 ft . clear polarized speaker cable. Shpg. wt., 109 lbs.
21 T $9449 \mathrm{WXM} \$ 19$ Monthly
Net 361.95 Same system as above except with two Lafayette Criterion 200A 3-speaker 3-way acoustically tuned speaker systems each with $12^{\prime \prime}$ woofer, $8^{\prime \prime}$ midrange, and $3^{\circ}$ dome tweeter Instead of two Criterion 100A. Speakers include brilliance and presence controls for increased listening pleasure. Shpg. wt., 119 lbs.
21 T 9450 WXM $\$ 22$ Monthly $\qquad$ YOU SAVE 67.30 FROM INOIVIDUAL CATALOG PRICESI Same systems as 21.9449 WXM except with two Lafayette famous Criterion $3 x$ deluxe 3 -way completely sealed and damped acoustic suspension speaker systems. Wi., 113 ibs, 21 T 9451 WxM $\$ 23$ Monthly speaker systems. We................................ 442.95 YOU SAVE 71.30 FROM INDIVIDUAL CATALOG PRICESI

## SAVE 68.30 <br> Fiomindivadual Caislog Prices

## featuring AWARD WINNING LR-1500T

## WITH REVOLUTIONARY NEW

## COMPLETE SYSTEM <br> 

No Money Down


- Lafayotte Model LR-1500T Deluxe 175.Watt Solid. State AM/FM Stereo Receiver
- Garrard Model SL55 4-speed Synchro-Lab Auto matic Turntable
- Pickering V-15/ACE-3 Stereo Cartridge with High Compliance Elliptical Diamond Stylus



## Garrard Model SL55

Complete ${ }^{175}$-watt stereo system above with choice of V-15/ACE3, Emplre 808 E , of Shure M32E stereo cartridge with high compllance elliptical diamond stylus. Features Lafayetfe's award winning 175. watt defuxe LR-1500f, brilliantly engineered with advanced IC and fet circuitry for superb performance and many years of maximum audio pleasure. Complimentary gold anodized extruded aluminum front panel and simulated walnut case make the LR-1500T's styilng a visual delight and plus to any decor. The Garrard Model SL55 4 -speed Synchro-Lab automatic record changer features a smooth Synchro-tab motor, lightweight tubular tone arm, stylus pressure indicator, and cueing lever control.

The Lafayette "Criterion 100A" combines a powerfut 10 " wooter with a 1 pound magnet plus a $4^{-}$tweeter with a high frequency Drilliance control crafted in a tuned ducted port oiled walnut finished enclosure for truly satisfying audio reproduction. Complete with 30 ft . clear polarized speaker cable. Shpg. wt., 117 ibs. 21 T \$552WXM $\$ 22$ Monthiy


Net 415.0 Same system as above except with two Lafayetto "Criterion 200A" 3-way 3 -speaker acoustically tuned speaker systems (oiled walnut finish) with brilliance and presence controls, instead of the two "Criterion 100A". Shps. wt., 127 lbs.
21 T S453wXM $\$ 23$ Monthly
Net 460.5
YOU SAVE 7330 FROM INDIVIDUAL CATALOG PRICES!

Same system as $21-9452 \mathrm{WxM}$ except with two Lafayette famous super deluxe "Criterion $3 X$ " 3 -speaker 3 -way completely sealed and damped acoustic suspension speaker systems, Instead of two Lafayette "Criterlon 100 A ." Shpg. wt., 121 lbs.
21 T 954wxM $\$ 24$ Monthly $\qquad$ Net 456.95 YOU SAVE 77.30 FROM INDIVIDUAL CATALOG PRICES!

For Complete Description of Above Hi-Fi Systems Are Ready to Play-Include Cables, Instructions

# Stereo Hi-Fi Music Systems SOLID STATE AM/FM STEREO RECEIVER AND FIELD EFFECT TRANSISTORS 

## SF LAFAYETTE

Stereo Hi-Fi Systems

COMPLETE SYSTEM

## Only $444^{95}$

 No Money Down

- Lafayette Model LR-1500T Deluxe 175-Watt Solid State AM/FM Stereo Receiver
299.95
- Gamrard Model SL65 4-Speed Synchro-Lebe Automatic Turmtable with Dynamically Balanced Tone Arm
- Pickering V.15/ACE-3 Stereo Cartridge with High Compllance Elliptical Diamond Stylus
- Garrard Base for Automatic Turntable ....................... 4.95
- Two Lafayette Deluxe "Criterion 150" High Power 2.Way Acoustic Suspension Speaker Systems (Oiled Walnut)

Above system with choice of Pickering V-15/ACE-3, Emoire 808E or Shure M32E stereo cartridge with high compliance elliptical diamond siylus. System includes Lafayette's superb. $\mathbf{1 7 5}$-watt stereo receiver which is designed to fulfill the highest demands for outstanding quality, superb performance, and maximum audio enjoynent. Its advanced IC's (Integrated Clreuits), plus FET's (Fleld Eifect Transistors) in the FM front end section permit you to hear nore sta. tions than ever before with stunning clarity! In addition, the visual design of front panel and case make the LR-1500T a thing of beauty for years to come!
Garrard Model SL65 4-speed Synchro-Lab automatic turniable fea. tures a new Synchro-Lab motor for smooth, synchronous sseed with minimum rumble and resonance. "Criterlon 150" 2-speaser 2-way system combines a $10^{-}$high compliance woofer with acoustic suspension and a $31 / 2^{*}$ super tweeter with high frequency brilliance control in a completely sealed and damped enciosure for extraordi. nary performance. Beautifully finished in hand-rubbed olled walnut. Comolete with 30 ft . clear polarized speaker cable. WI.. 93 lbs. 21 § 9455WXM $\$ 22$ Monthly ....................................... 44.95 Same system as above except with two Lafayette "Criteilon 200A" 3-speaker 3-way acoustically tuned speaker systems (olled wainul) with brilliance and presence controls, instead of the two "Criterion $150^{\circ \prime}$ speaker systems. Shpg, wt., 129 lbs.
21 T $\$ 456$ WXM $\$ 24$ Monthly
INet 480.95
YOU SAVE 73.30 FROM INOIVIDUAL CATALOG PRICES!
Same 175 -watt super delure solio state stereo system as 21. 9455 WXM except with two famous Lafayette "Criterion $3 x$ " defuxe 3-way completely sealed and damped acoustic suspension speaker systems instead of two "Criterlon 150" speaker systems. Shpg. wt. 123 lbs .
21 9457 WXM $\$ 29$ Monthly $\qquad$ Net 816.95 YOU SAVE 77.30 FOR INDIVIOUAL CATALOG PRICESI Components See Pares 7.16, 85-91, 116-118.

## Complete Solid State Amplifier Systems



High quality components combined with our dependable


"Criterion 75"
For Complete Description of Above Components See, Pages 7-16, 86-91 and 116-118
Complete 30 watt stereo system above with ehoice of Pickering V-15/AC-3,
Shure $75-6$ or Empire 888 diamond needle stereo cartridge. The Lafayette
LA-224T 30 watt stereo amplifier offers 30 watts of strikingly pure sound repro-
duction, and sufficient power to drive virtually any speaker system. All required
controls are included for full stereo capability. Attractive slim styling and an
extruded brushed aluminum, zold anodized front panel with complementary
metal case permit the LA-224T to grace any decor. Garrard 40 MKII 4 -speed
automatic turntable features oversized turntable; cast aluminum, counter bal.
anced tonearm; intermix automatic operation; 4 -pole shaded "Induction Surge"
motor; supersensitive trip with Dupont Delrine. Can be played manual or auto-
matic. Lafayette "Criterion 25," ultra-compact 2-way, 2 -speaker system. Provides
quality sound reproduction through the use of a powerful $8^{\prime \prime}$ woofer equipped
with a large magnet structure and voice coil, plus a $21 / 2^{\prime \prime}$ cone tweeter and
electrical crossover network. Enclosure is beautfully finished in ofled walnut.
Complete with 30 ft . clear polarized speaker cable. Shpg. wt., 41 lbs.
21 T 9458 WXM $\$ 8$ Monthly
Net 139.95
Same system as above except with 2 Lafayette "Criterion 50" 2-speaker 2-way
ducted port bookshelf and/or floor speaker systems (oiled walnut) instead of
"Criterion $25^{\circ} \mathrm{s}$." Shpg. wt., 79 lbs.
21 T 9459 WXM $\$ 9$ Monthly
Net 157.95
You Save 36.30 from individual catalog prices!
Same system as 21 T 9458 WXM except with 2."Criterion 75" 2-way acoustic
suspension sealed and damped speaker systems instead of 2 ""Criterion 25"
speaker systems. Shpg. wt., 38 lbs.
21 T 9460WXM $\$ 10$ Monthly
Net 175.95
You Save 38.30 from individual catalog prices!

TOTAL 172.85

# Matched Solid State Stereo Systems Feauring LAFAYETTE MODEL LA-450 50-WATT SOLID STATE STEREO AMPLFIER 


*CHOICE OF STEREO CARTRIDGE

| Init |  |  |
| :---: | :---: | :---: |




No Money Down

- Garrard Model 40 MK II 4. Speed Automatic Record Changer
- Pickering V-15/AC3 Diamond Needle Stereo Cartidge with
- Garrard Base for Record Changer

Complete 50-watt stereo system with choice of Pickering V-15/AC-3, Shure M75-6 or Empire 888 dlamond stylus stereo cartridge. The Lafayette LA-450 Stereo Amplifier delivers 50 -watts of music power for clean, full range response. All required controls are included for fuli steren capability. It is distinctively styled to please even the most demanding tastes
The Garrard famous Model MK il 4-speed automatic record changer features oversized turntable, counterbalanced toneam. Intermix automatic operation, 4 . pole shaded "Induction Surge" motor and playes manual and automatic.
The Lafayette "Criterion 25" ultra compact 2 -wey, 2 -speaker system utllizes a poweriul 8 " woofer, a $21 / 2$ " tweeter and an electrical crossover network housed in a richly styled acoustic enclosure finished in oiled walnut for true Hi-Fi music reproducton. Complete wth 30 ft . clear polarized speaker cable. Shpg. wt. 45 lbs 21 T 9467 WXM $\$ 9$ Monthly ......................................................................... 154.95
Same system as above except with 2 Lafayette "Criterion 50" 2-speaker 2-way ducted port bookshelf and/or floor speaker systems (olled walnut) instead of "Criterion 25's". Shpg. Wt., 83 lbs.

## 21 T $9468 \mathrm{WXM} \$ 10$ Monthly

You Save 36.30 from individual catalog prices!
Same system as 21 T 9467 WXM except with 2 Lefayette "Criterion $100 A^{\prime \prime}$ powerful deluxe 2 -speaker 2 -way system featuring $10^{\circ}$ woofer with 1 lb . magnet plus $4^{\prime \prime}$ tul deter with high frequency brilliance control in richly finishd oiled walnut enclosure instead of 2 "Criterion 25". Shpg. wt. 87 lbs.
21 T $9469 \mathrm{WXM} \$ 11$ Monthly
Net 199.95 You Save 39.30 from individual catalog prices!
TO ADD MATCHING LT-225T AM/FM STEREO TUNER TO ANY OF ABOVE SYS.
TEMS, ORDER:
99 T O197WX $\$ 5$ Monthly Shpg wt., 12 Ibs.
Net 79.95

ALTERNATE SPEAKER SYSTEMS


For Complete Description of Above Components See Pages 7-16, 86-91 and 116-118

# SELAFAYETTE <br> Stereo High Fidelity LA-85T Solid State Stereo Amplifier 



Complete 85 .watt stereo phono system above with choice of Pickering V-15/AC-3, Empire 888, or Shure M75-6 stereo cartridge with diamond needle. The Lafayette LA.85T features 85 watts of full-impact power. Advanced solid state circuitry offers thrilling full-range stereo realism, extra reliability, and low current consumption. Full complement of front panel controls, plus stereo inputs are provided to handle every conceivable music source. Garrard Model 40 MKII world famous 4 -speed automatic record changer conforms to professional standards for rumble, wow, flutter, speed accuracy, and speed regulation. Has many features of more expensive turntables such as: Automatic Intermix, controls for Auto/ Manual play, counterwelghted tone arm, and à 4 -pole shaded, "Induction Surge" motor. 2-Lafayette "Criterion 50"s" 2-way bookshe If type speaker systems featuring an $8^{\circ}$ woofer and a $4^{*}$ tweeter to give you excellent Hi-Fi sound reproduction. Bass-reflex designed encinsure uses a ducted port to provide proper acoustic "tuning" of the enclosure with speakers being used. All components used assure
you of outstanding performance and reliability. Complete with 30 ft . clear polarized speaker cable. Shipg. wt., 86 tbs. 21 T S461wXM $\$ 11$ Monthly

Same system as above except with 2-Lafayette "Criterion 100A" deluxe 2-speaker 2-way speaker systems with ducted port and beautiful walnut finish on 4 sides instead of $\mathbf{2}{ }^{\text {"CCPriterion }} 50$ ". Shpg. wt. 90 lbs.
21 I 9462 WXM $\$ 11.50$ Monthly $\qquad$ Net'220.95 You save 43.30 from catalog individual prices!
Same system as 21 T 9461 WXM except with 2 -famous Lafavette "Criterion 200A" 3-speaker 3-way ducted port speaker systems (oiled walnut finish) with brilliance and presence controls, instead of $2^{\circ}$ "Criterion $50^{\circ}$ ". Shpg. wt., 100 lbs.
21 T 9463 WXM \$13.50 Monthly $\qquad$ Net 265.95 You save 48.30 from catalog indlvidual prices!

## 125 Watt Stereo Systems with LA-125T Solid State Stereo Amplifier



Above 125 watt stereo phono system with e choice of Pickering V.15/ACE-3. Empire 808E, or Shure M32E stereo cartridge with high compliance eillptical diamond needle. The La-125T delivers 125 watts of music power for clean, full range response. Exemplary solid state circuitry will give you many years of satisfactory operation. Compact size makes it ideal for any location in your home!
Garrard Model MKII world famous 4 -speed automatic record changer conforms to professional standards for rumble, wow, flutter, speed accuracy, and speed regulation. Has many leatures of more expensive turntables such as: Automatic Intermix, contrels for Auto/ Manual Play, counterweighted tone arm, and a 4 -pole shaded, "Induction Surge" motor. "2-Lafayette Criterion 100 's" 2-way speaker systems featuring a $10^{\prime \prime}$ wooter and a $4^{\prime \prime}$ tweeter $w$ th brilliance control to glve you exceflent Hi-FI sound reproductior. Bass-reflex designed enclosure uses a ducted port to provide preper acoustic "tuning" of the enclosure with speakers being used. All components have been integrated to produce a stunning blend of beauty
and performance. Complete with 30 ft . clear polarized speaker cable. Shps. wt., 93 lbs . 21 T $\$ 464 \mathrm{WXM} \$ 13.50$ Monthly $\qquad$ Net 247.95

Same system as above except with 2-Latayette "Criterion 2004" 3 speaker 3 -way ducted port speaker systems (olled walnut finish) with brilliance and presence controls, instead of "Criterion 1000" speaker systems. Wt, 103 lbs.
21 T $9465 \mathrm{WxM} \$ 17$ Monthly
You save 56.30 from catalog individual prices!
Same system as 21.9464 WXM except with 2 -tamous Lafayette "Criterion $3 X^{\prime \prime}$ deluxe 3 -way completely sealed and damped acoustic suspension speaker systems Instead of "Criterion 100A" speaker systems. Shpg. wt., 96 tbs
21 T 9466wXM $\$ 19$ Monthly $\qquad$ Net 328.95
You save 60.30 from catalog individual prices!

# LaFAYETIE Hi-Fi Ratio and Home Reverberation Systems DELUXE LAFAYETTE "CRITERION IV" SOLID STATE PROFESSIONAL HI-FIDELITY FM RADIO 



Genuine Oiled Walnut Veneer Cabinet


No Money Down


- 17 Transistors. 5 Diodes
- Tuned RF FM Stage
- Tape Recorder Inputs and Outputs

Professional high fidelity FM radio especially designed to reproduce the full-range brilliance of FM broadcasting in your home. Hand somely styled and compact, the Criterion IV measures only $141 / 2 \mathrm{~W} x$ $9 \mathrm{Dx} 8 \mathrm{y} / \mathrm{*} \mathrm{H}$, yet its sound quality is astonishing. Advanced solid-state circultry with 17 transistors and 5 diodes provides FM performance equal to that of expensive FM receivers. Tuned RF and 4 IF stages assure superb sensitivity and selectivity-bringing in the most distant stations without distortion, nolse or drift. Superb sound quality is provided by a powerful' 5 " full range, high-compliance speaker with a massive magnet assembly mounted in a completely sealed and damped enclosure, utilizing the acoustic suspension principle. Includes input for external program sources such as a record changer (with ceramic/crystal cartridge) or tape recorder. Also includes output jacks for tape, external 8.0 hm speaker, and ex.

> - Magnificent Sound Quality from a Special Self-Contained 5" High Compliance Acoustic Suspension Speaker System
ternal antenna. Vernier tuning knob and planetary dial assure precise and accurate tuning across the complete 88.108 MHz dial. SPECIFICATIONS: Output: 6 -watts music power at 8 -ohms. Sensi. tivity: $2.5 \mu \mathrm{v}$. Front Panel Controls: Tuning, volume, Bass. Treble, FM-AUX Selector Switch, Main-Remote Speaker Selector. Protective output fuse. Finished in beautiful olfed walnut wood veneer. Bulit in FM antenna. For $110-120$ VAC $50 / 60 \mathrm{~Hz}$. Imported. 99 T $3525 \mathrm{w} \$ 5$ Monthly Shpg. wt., $121 / 2 \mathrm{lbs}$. Net 69.95 CRITERION 50 External 2 way bookshelf speaker system for above. Imported. (Requires 99-0088 Cable below) 99 T ©i28w Shpg. wt., 28 lbs. $\qquad$ Net 29.95
12 ft . External Speaker Cable. Imported.
99 T 0088 Shpg. wt., $1 / 2 \mathrm{lb}$.

## NEW DELUXE LAFAYETTE R-777 SOLID STATE HOME REVERBERATION AMPLIFIER

Recreates a 3rd Dimension in Sound


Only
5995
No Money Down

MADE IN U.S.A.

Licensed by Hammond Organ

- Brings Forth True Concert Hall Or Opera House Realism In Your Home

Lafayette's R. 777 reverberation amplifier is specially designed to operate with a stereo receiver or ampllfier that has a 3-way speaker selector switch -main, remote, main and remote simultaneously. Easy to hook up with only 2 sets of wire to connect.


- Ideal for Use with Lafayette LR-500T, LR-1000T, and LR-1500'T Stereo Receivers, and all other Receivers and Amplifiers with 3 -way speaker Selector Switches

The Lafayette Solld State R-777 Home Reverb Amplifier will add a dramatic 3rd chainnel of listening pleasure to your pres. ent hi.fi system. This 3rd channel originates from the remote output speaker terminals of your recelver or amplifier - and is fed thru the REVERB AMPLIFIER with sound delay to a 3 rd speaker*. The results created when listening to this 3 rd speaker and the regular speakers of your hi-fi system simultaneously are truly 3-DIMENSIONAL. Reverb Amplifier features a "Percentage of Reverberation" contro' to allow for the best reverb mix for the acoustics of your room. Also includes tone control, volume control, and an on/off switch with pllot light. Specifications: Po. wer Output: 10 watts RMS at 8 ohms. Output impedance: 8 ohms; 4 transistor, 4 Diodes. Handsome walnut wood enclosure with brushed aluminum front panel. Size: 19x81/2x $47 /{ }^{* H}$. Shpg. wt.. 9 lbs. 3rd speaker not fincluded with Revero Amplifier.

21 T8100WX \$5 Monthly

$$
1
$$

Net 59.95

## REVERBERATION AMPLIFIER AND SPEAKER SYSTEM



$$
24^{95}
$$

- Ideal for Stereo or Mono Systems - Self-Contained with Built-in Power Supply

A compact space saving self-contained reverberation amplifier speaker system that works with your existing component Hi-Fi system. AM or FM radio, tape recorder to bring the realism of concert hall sound to your listening area. Thrill to this new dimension in sound. 3 -tube amplifier delivers $21 / 2$ watts to a $6 V_{2}{ }^{-1}$ PM speaker. Inputs provided are stereo/mono high level and stereo/mono low level. For use with $110-117$ volts AC, $50-60 \mathrm{~Hz}$. per second. Unit is mounted in a deluxe, beautiful olled walnut cabinet which measures $111 \% / 0 W \times 77 / 0 H \times 57 / 8{ }^{\circ} \mathrm{D}$. Imported. Shpg. wl., 7 lbs.
99 f0146W
Net 24.95

## Sherwood-Stereo Hi-Fidelity Components

## Only <br> $399^{\circ 0}$ <br> No Money Down

- FET Front-End
- Micra-Circuits



## NEW! Model S8800AS SOLID-STATE 160-WATT FM STEREO RECEIVER

A supert performing FM stereo receiver featuring "micro-circuits" FET front-end, and transistorized overioad protection. Outstanding operating features: Noise Gated FM Stereo/MCn0 switrhing, FM stereo Indicator light, professional zero-center D'Arsonval tuning meter, "velvet-action" inertia tuning dial, calibrated sllide-rule diai scale, tape monitor switch and front panel stereo headphone jack. Controls for Bass, Treble, Volume, Balance, preamp level adjustment, and FM interchannel hush. Six self-lock pushbution On/Off switches for Tape Head, High Frequency Fiter, Main and 'or remote
stereo speaker switching, Stereo/Mono Mode, and Loudness compensator. 160 -watt power rating (IHF). Frequency Response: $\pm 1 / 2$ $\mathrm{db} ., 20-24,000 \mathrm{~Hz}$. FM Sensitivity (IFH): $1.8 \mu \mathrm{~V}$. Power Bandwidth: 12 . $30,000 \mathrm{~Hz}$ at $1 \%$ HD. Capture Ratio 2.0 db . Distortion: $15 \%$ at $100 \%$ modulation. Slize: $161 / 2 \mathrm{~W} \times 4 / 2 \mathrm{H} \times 14^{n 0}$. For lizV. Shpg. wt. 26 lbs.
21 Y 6143 wx \$19 Monthly Net 399.50
Walnut Leatherette Case for Model S8800AS. Shpg. wt., 8 1bs. 21 T 6112 w Net 8.00

## Only <br> $349^{50}$ <br> No Money Down

- FET Front-End
- Micro-Circuits



## NEW! Model S7600AS SOLID STATE 100-WATT FM-AM STEREO RECEIVER

The s. 7600 is only 12 inches deep and is specially designed for bookshelf installations. Provides excellent AM, FM, and FM stereo receptioo. Features "micro-circuits", Synchro-phase FM IImiter/ detector, Fleld-Effect-Transistors in FM RF and mixer stages, DC coupled All-Silicon power amplifiers, and instant overload protec. tion, front panel stereo headphone jack, preamp level idjustment, 3nd FM interchannel hush. Controls for Bass, Treble, wotume, and Balance. Automatic Stereo Mono switching with steres Indicator light. Tape monitor. Main/Remote speaker switching. Zero-center
tuning meter. Output: 100 -watts (IHF) at 4 ohms. Frequency Response: $\pm 1 / 2 \mathrm{db}, 20-20,000 \mathrm{~Hz}$. FM Sensitivity: (IHF); $1.8 \mu \mathrm{~V}$. Power Bandwidth: $15-25,000 \mathrm{~Hz}$ at $1 \% \mathrm{HO}$. Capture Ratio: 2.0 db . Distor. tion: $.15 \%$ at $100 \%$ modulation. For 117 V . Size: $161 / 2 \times 41 / 2 \times 12^{\prime \prime} 0$. Shpg. wt., 22 lbs. 21 f 6144 wx \$ 19 Monthly Net 349.50 Wainut Grained Leatherette Case for s7600AS. Shpg. wt., 5 lbs. 21 T 6145 W


## MODEL S-3300S SOLID STATE FM STEREOPHONIC TUNER

$189^{95}$
Less Case
 - Main and/or Remote Speakes Switch

A deluxe solid-state stereo ampliffer for the discriminating music listener. Engineered into this compact unit are military-type silicon transistors with less heat sensitivity than low cost germanium types; transistor short-circuit protection and an extremely tow harmonlc distortion of $1 / 3 \%$ at rated output. Hefty 80 -watts of music power (IHF) at 4 ohms. Also, features phono input nolse less than - 70 db with no microphonics or hum; professional Baxandall fone controls, tape monitoring and tape head playback, stereo heädphone, jach and 4 -position selector switch. Response: $12-35,000 \mathrm{~Hz}$. Outputs 4, 8 and 16 ohms. Compact $14 \mathrm{~W} \times 4 \frac{1}{2} \mathrm{Hx} 10^{\circ} \mathrm{D}$. For $115 \cdot 125 \mathrm{~V}$. 60 cycles AC. Shpg. wt., 20 lbs. Less Case.
21 T6146wX $\$ 10$ Monthly $\qquad$ Net 189.95
Walnut Tone Leatherette Case for Model S-9500BS.
21 T6113w Shpg. wt., 5 lbs.
SELECT YOUR OWN HI-FI SYSTEM Featuring Sherwood Components and write for Lafayette's Special
Low Price! A component hi-fi music system must consist of at least, all of the following: Receiver or amplifier plus music source (changer, turntable, tuner, or tape deck) and hi-fl speakers.

# Fisher <br> New 1969 Model Solid State <br> Stereophonic Receivers 

## NEW MODEL 160-T 40 WATT FM STEREO RECEIVER



ony $199^{95}$ with Enclosure<br>No Money Down<br>- Integrated Circuits and FET's<br>- Tune-O-Matic Diode Tuning Circuit<br>- Stereo Beacon Automatic Mono/Stereo Switching

Model 160-T FM Stereo Receiver features push-button Tune-O-Matice tuning. Provides 5 adjustable push buttons for instant selection of your favorite FM station. You can also manually tune any desired station. Diode tuned AFC control minimizes drift. Stereo Beacon signals presence of stereo programs and automatically switches between mono and stereo. Control panel features Baxandall tone controls for improved tonal balance; a 3-way speaker selector (main-off-remote), and a loudness contour switch that boosts bass and treble at low volume levels. Includes phono and tape jacks on the
rear of the unit, and a convenient front panel headphone jack. The 160.T employs sllicon transistors, including 2 FET's and 3 IC's. Contains Transist-0-Guard, an overioad protection circuit. Amplifier section has 40 watts music power (IHF) with harmonic distortion of $.5 \%$. Power bandwidth is 25 to $25,000 \mathrm{~Hz}$. Features $2.2 \mu \mathrm{v}$ sensitivity while signal-to-noise ratio is 60 db . Receiver has a self contained cabinet with sculpfured walnut sides. Dimensions: $151 / 4 W \times 111 / 4 \mathrm{Dx}-$ $34 \mathrm{~m}^{\mathrm{H} H}$. Shpg. wt., 18 lbs.
21 T $3342 \mathrm{Wx} \$ 10$ Monthly
Net 199.95

## NEW MODEL 175-T 65 WATT AM/FM STEREO RECEIVER



Only

$249^{95}$with Enclosure

No Money Down

- Integrated Circuits and FET's
- 4-Way Main-Remote Speaker Switch
- Stereo Beacon Automatic Mono/Stereo Switching

A fine performing solid state AM/FM Stereo Receiver featuring an all silicon power amplifier, FM tuner section with FET's and 2 IC's, and a highly selective AM front end with AGC to minimize fading. Includes AFC control to minimize drift on FM. Stereo Beacon provides automatic mono/stereo switching. Useable tuner sensitivity is $2 \mu \mathrm{~V}$ with a signal-to-noise ratio of 65 db and $0.6 \%$ harmonic distortion. Other features include: Transit-O-Guard overload protection circuit; 4-way main/remote speaker switch; 5 -position program selector with full phono and tape faclities; loudness contour control, bass, treble
and balance controls, stereo/mono mode switch and front panel stereo head phone jack. 65 watts music power (IHF), RMS power is 20 -watts each channel. Power bandwidth is $\mathbf{2 5 - 2 5 , 0 0 0} \mathbf{~ H z}$. Hum and noise (phono low) 55 db . Frequency response: phono low, 30-15,000 Hz ; auxillary, $20-20,000 \mathrm{~Hz}$. Dimensions: $151 / 2 \mathrm{~W} \times 51 / 4 \mathrm{H} \times 12 \% / 4^{\prime \prime} \mathrm{D}$. Shpg. wt. 20 lbs .
21 \& 3343wx $\$ 12.50$ Monthly
Net 249.95
Diled Walnut Cabinet for 175-T
21 7 3345W Shpg. wt., 6 lbs..

NEW MODEL 250-T 100 WATT AM/FM STEREO RECEIVER


Only 2995
No Money Down

- Integrated Circuits and FET's
- Automatic FM Stereo Switching
- 4-Way Speaker Selector
- Convenient Tune-O-Matic Tuning

Powerful Model 250-T AM/FM stereo receiver features automatic FM push button tuning convenience. Five adjustable push buttons provides instant selection of your favorite FM stations, also tune stations manually if desired. Features an all silicon power amplifier FM tuner front end with 2 FET's and 2 IC's; a highly selective wide band AM front end with AGC to minimize fading; diode tuned AFC control to eliminate FM drift; stereo Beacon to automatically switch between mono/stereo, and Transist-0-Guard overload protection circuit. Tunef sensitivity is $2 \mu \mathrm{~V}$; harmonic distortion is $0.5 \%$, and signal-noise-
ratio is 65 db . Styled control panel includes: 5 position program selector; loudness contour, treble and balance controls; mono mode, muting and tape monitor switches; 4 way speaker selector (Main, on/off; Remote, on/off) and convenient tront panel head phone jack. 100 watts music power (IHF), RMS power is 30 watts per channel, $0.5 \%$ harmonic distortion. Power bandwidth is $25-25,000 \mathrm{~Hz}$. Dimensions: $15 \frac{1}{2} W \times 151 / 4 \mathrm{H} \times 12 \mathrm{~K} \mathrm{M}^{\circ \mathrm{D}}$. Shpg. Wt., 18 lbs.
21 T 3344WX $\$ 15$ Monthly
21 T 3345 W Diled Walnut Cabinet for $250-T$

## Perfectly Matched Money Saving Systems Featuring New 1969 Model Receivers <br> Fisher

## 40 WATT FISHER-LAFAYETTE-GARRARD FM STEREO MUSIC SYSTEM

Complete
System 27295
No Money Down

YOU SAVE 61.30
From Individual Catalog Prices

Enioy beautiful stereo music reproduction from this quality 40 watt stereo FM music system featuring Lafayette, Fisher, and Garrard Mi Fi Components:

- New Fisher 160T 40-Watt FM Stereo Receiver With Enclosure, Featyring Tune-O-Matice FM Pushbutton Tuning
- Garrard Model 40 4-Speed Automatic Stereo Record Changer With Base
- Choice of Stereo Diamond Needie Cartridge: Pickering VISAC-3, Shure M75-6, or Empire 888
- 2 Lafayette "Criterion 50" True 2-Way Bookshelf Type Speaker System Finished In Beautiful Hand-Rubbed Diled Walnut
Nothing else to buy. System is complete with afl neces sary hook-up cable and instruction bookiets. Shpg. wt. 86 tbs.
21 1 $3347 \mathrm{wx} \$ 13.50$ Monthly
Net 272.95
65-WATT FISHER-LAFAYETTE-GARRARD AM/FM STEREO MUSIC SYSTEM

Complete
System
$344^{95}$
No Money Down
YOU SAVE 79.30
From Individual Catalog Prices

SAVE 79.30 on this magnificent 65 -watt AM-FM Stereo System consisting of the following outstanding Lafayette, Fisher, and Garrard Mi-fi components.

- New Fisher 175T 65-Watt AM/FM Stereo Receiver With All Solid State Circuitry Including Integrated Circuits And FET's (Field Effect Transistors)
- Garrart SL55 4-Speed Automatic Stereo Synchro-Lab Turntable With Base
- Choice of Elliptical Diamond Needle Stereo Cartridge: Pickering VISACE-3, Shure M32-E, Or Empire 808E
- 2 Lafayette "Criterion 75" 2-Way Acoustic Suspension Speaker systems Finished In Beautiful Hand-Rubbed Oiled Walnut
Nothing else to buy. System is complete with all neces. sary hook-up cable and instruction booklets. Shpg. wt. 60 ibs.
21 §3348 WXM \$19 Monthly
Net 344.95



> Choice of Ellip. Cart.


## 100-WATT FISHER-LAFAYETTE-GARRARD AM/FM STEREO MUSIC SYSTEM

Complete System

From Individual Catalog Prices

Supert stereo reproduction plus big savings of 94.30 on this dazzling Lafayette, Fisher, and Garrard 100 watt AM/FM stereo system featuring:

- New Deluxe Fisher 250T 100 Watt AM/FM Stereo Receiver With Tune.O-Matic FM Pushbutton Tuning
- Deluxe Gappard SL65 4-5peed Automatic

Stereo Synchro-Lab Turntable With Base

- Choice of Quality Elliptical Diamond Needie Stereo Cartridge-Pickering V15ATE-3, Shure M93E, Empire 888E
- 2 Deluxe Lafayette "Criterion 150" 10-1nch 2-Way Acoustic Suspension Speaker Systems Finished In Beautiful Hand-Rubbed Oiled Walnut
Nothing else to buy. System inctudes all necessary hookup cable and instruction booklets. Shpg. wt., 70 los. 21 T 3349 wxM $\$ 22$ Monthly Net 419.95


## Fisher. <br> HI-FI COMPONERTS

Stereophonic Components and Systems

Model 200-T 70 WATT FM STEREO RECEIVER with MICROCIRCUITRY


Only

- Integrated Circuits (IC's)
- Field Effect Transistors (FET's) less case No Money Down
- Tape Monitoring
- Exclusive Stereo Beacon
- Transist-O-GardTM Overload Protection Circuit

Deluxe 70 watt FM Stereo Receiver with integrated circuits and Field-Effect-Transistors, Offers everything you need on one functional integrated chassis... power, performance, and reliability at a moderate cost. You get every solid-state advancement to assure you of brifllant performance and magnificient stereo hi-fi sound. The supersensitive FM stereo tuner section features FET front end circultry plus advanced space-age IC's to perform If amplification and limifing functions. These IC's are comparable to four IF stages, two limiters and wide-band discriminator. A separate IC is employed for muting. Stereo amplifler section has all vital controls . . . Volume, Balance, Bass and Treble, plus loudness contour. Muting, Monitor, and Mode switches. Has inpuls and controls for all music sources;

4-position speaker selector switch; signal strength tuning meter; and stereo indication light. Gold plated front panel teatures pale copper and gold inserts. Speciflcations-Tuner Section. Sensitivity (IHF): $2.0 \mu \mathrm{~V}$; Capture Ratio: 2.5 db ; FM Stereo Separation: better than 35 db. Amplifier Section. Music Power (IHF): 70 watts @ 4 ohms; Frequency Response: $20-25,000 \pm 2 \mathrm{db}$; Harmonic Distortion @ 1 kHz : $0.8 \%$; Power Bandwidth: 22-30,000 Hz. $151 / 6 \mathrm{Wr} 41 \mathrm{y}$, Hx11 $1 / 20$. Shpg. wt. 2 Cl lbs.
21 \} 3318wx \$13.50 Monthly $\qquad$ Net 279.95
Custom Olled Walnut Wood Cabinet For 200-T
21 T 3641w Shpg. wt., 6 lbs. Net 22.95


FAMOUS K-10 "SPACEXPANDER" ELECTRONIC REVERBERATION SYSTEM
Recreate Concert Hall Listening In Your Home
Only
add a new dramatic sound to your listening pleasure with one simple control.
Add concert hall realism to your listening area. Supplles the reverberation normally heard in an acoustically perfect concert hall. Samples sound output from amplifier, and reinjects the same sound after a short time delay thus adding the reverberation effect. May be used with any mono or steree home music system using separate pre-ampllfiers or tape monitoring facili. ties. Connects to any signal from 0.2 to 5.0 volts. Simple to operate and easy to install. Tubes: 2-12Mx, $\mathbf{1 - 7 2 4 7}$ plus a selenlum rectifier. Size: $9 \%, L \times 1$ '\% $W \times 6 \%{ }^{-H}$. Shipg. wt. ibs.
21 Y $3650 \$ 5$ Monthly
Mot 69.95

# Fisher. <br> HI-FI COMPONENTS 

Solid State Stereo Amplifiers and Tuners
TX-1000 120 WATT LABORATORY-STANDARD STEREO CONTROL AMPLIFIER

only $329^{95}$
No Money Down Less Case

TX- 1000 stereo master control amplifier provides 120 watts at 4 ohms (IHF) undistorted power-enough reserve to drive sound systems in the largest auditoriums and theaters. The TX-1000 features pushbutton controls for selection of remote, main or center channel speakers; low filter, high filters 1 and 2 ; and loudness contour. Six position program selector permits choice of microphone, tape, phono, tuner plus Aux., 1 and 2 for input of other program sources. Tape monitoring facilities. Added conveniences include front panel jacks for tape and phones, plus a center channel power output to drive a "Third" or remote speaker system. Specifications Power output: (IHF) 120 watts RMS @ 1 kHz HD@ $1 \mathrm{kHz}: 0.5 \%$; IM Distortion: $60 / 7000 \mathrm{~Hz}$, each channel @ rated power: $0.8 \%$; Power Bandwidth: (IHF) $22 \cdot 24,000 \mathrm{~Hz}$; Sensítivity @ 4 ohms: Phono low 2 mv Phono high 7.5 mv ; Timer 200 mv ; Tape HD 1.8 mv size

21 T $3320 \mathrm{wx} \$ 17$ monthly. Shpg. wt., 30 lbs. $\qquad$ Net 329.95
21 T 3641 Oiled Walnut Cabinet. Wi., 6 tos.
Net 22.95

## MODEL TX. 10065 WATT STEREO CONTROL AMPLIFIER


ony $169^{95}$ Less Enclosure No Money Down

- Tape Monitor Switch
- Main/Remote Speaker Switch
- Stereo Headphone Jack

High-quality all-transistor control amplifier. Delivers 65 watts @ 4 ohms (IHF) pure music power. Features exclusive Fisher Direct Tape Monitor; 4-position program selector (Tape HD., Phono, Tuner, Aux.); 2-position Mode selector (Mono/Stereo); as well as matched volume, balance, dual bass and treble controls, and loudness contour switch. Front panel headphone jack has main/remote speaker switch for private listening. Speci-fication-HD @ 4 ohms $0.5 \%$; Frequency Response: (IHF) $10-20,000 \mathrm{~Hz} \pm 2 \mathrm{db}$; Size: $151 / 2$ Wxa ${ }^{1 K}$, $H \times 12^{1} \mathrm{Ko}_{0}{ }^{-20}$. Shpg. wt., 21 los. 21 T 3321wx $\$ 9$ Monthly _n_...Net 169.95 Oll Walnut Wood Cabinet for TX- 100 21 T 3641 w Wt., 6 lbs.

Moded R-200B 5-Band AM/FM/FM STEREO SW TUNER

${ }^{\text {anit }} 299^{95}$ Less Enclosure No Money Down

- 4 AN Bands Includes International Shortwave Listening
- Tuned AM-RF Stage with 3-Gang AM Tuning

Deluxe, higr quality, 5-band tuner offering a broad coverage of world-wide entertain ment programs. Incorporates superb recep. tion facilities for FM/FM stereo, and 4-AM broadcast bands: Covers FM broadcast band $87.5-108 \mathrm{Mc}$; AM: Medlum Wave $0.51-1.63 \mathrm{Mc}$, Long Wave 0.15-0.35MC; Shortwave 7.0-16.5 Mc , Shortwse ( 49 Meter ) 5.9-6.3Mc. FM Sensitivity: $1.8 \mu \mathrm{~V}$; $\mathrm{AM} / \mathrm{Multi}$ - Band section features tuned RF stage. Also has exclusive stereo beacon, 3 -position inter-station muting control llluminated d'Arsonval tuning meter. AM ferrite antenna for MW and SW, $151 / \mathrm{W}^{4} 4^{4} \mathrm{~K} \cdot \mathrm{Hx} 117 / \mathrm{B}^{\circ} \mathrm{D}$. Shpg. wt., 25 los. 21 T 3307WT $\$ 15$ Monthly ___ Net 299.95 Custom Ollod Walnut Cabinet for R-200B. 21 T 3641 W Wt., 6 tbs._._Net 22.95

TFM-1000 LABORATORY STANOARO FM STEREO TUNER


Only $95 \begin{aligned} & \text { Less Enclosure } \\ & \text { No Money Down }\end{aligned}$

## - FET Front-End <br> - Five IF Stages <br> - Fisher Stereo Beacon

The finest tuner from Fisher! Features exclusive "Super-Synchrode" FET front end with $2-R F$ stages. 4 -gang variable and 6 tuned circuits for extremely high overioad capability, selectivity and spurlous response rejection. 10 MHz wide limiter and detector circuit virtually eliminates distortion and drift. Other outstanding features include: 5-If stages, 4 -limiters, foolproof multiplex circuit, "Stereo Beacon," clear signal indicator illuminated d'Arsonval tuning meter, 7"' dial scale, front-panel tape and headphone lacks. Sensitivity: $1.8 \mu v_{i}$ Capture Ratio: $0.600^{\circ}$ (IHF). $161 / 4 \mathrm{~W} \times 51 / 3 \mathrm{H} \times 11 / \mathrm{s}^{\circ} \mathrm{D}$. Shps. wt., 27 lbs.
21 T 330swx $\$ 22$ Monthly Net 429.95 Oiled Walnut Cabinet for TFM-1000. 21 T 3642 w Shpg. wt., 8 lbs. - Net 22.95

## FISHER $100^{\text {m }}$ PUSHBUTTON SOLID STATE FM TABLE RADIO

- Select Any 5 Of Your Favorite FM Stations Instantly
- Built-In $51 / 4$ " Wide-Range Speaker

Powerful, compact FM table radio featuring Fisher's excluslve TuneO. Matic electronic tuning circult. Enables you to set each of five vertical FM dials to your favorite FM station and thereafter select it instantly at the touch of a button-or tune any one of these dials manually, Tuning section contalns three if stages, three limiters, and a wide-band ratio detector. 5 watt ( (Hf) amplifier seclion utilizes Baxandall feed back tone controls for adjusting the bass and treble tonal balance to your personal taste and ilstening conditiens, Built in 51/4" speaker reproduces the entire audio spectrum. SPECIFICATIONS -Music Power output: 5 Watts (IH). HO @ full rated cutput: Less than $1.0 \%$. Hum and Noise (below rated output): 900 DD FM Usable Sensitivity (IHF) $2.5 \mu \mathrm{v}$. Speaker Impedance: 8 ohms. Somes with built-in cord antenna. For $110-120 \mathrm{~V}$., $50 / 60$ cycle AC. Slize: $13 \%$ $\times 61 / 2 \times 67 / \mathrm{mD}$. Shpg. wh., is los.
21 T $3335 \mathrm{WX} \$ 5$ Monthly
Net 99.95
Model S30 External Matching Speaker System. Size: 137/ $\times 61 / 2 \times$ $63 /{ }^{* \prime \prime} \mathrm{D}$. Shpg, wt., 11 fbs.
21 T3336wx.
Net 29.95
 Pushbutton Tuning

## \# SCOTT Solid-State Stereophonic Hi-Fi Receivers

Model 342B 65-WATI SOLID.STATE FM STEREOPHONIC RECEIVER


## Only 5500

 (Less Enclosure)No Money Down

## - Field-Effect (FET) Front-End <br> - Stereo Indicator Light <br> - Integrated Circuit (IC) IF Strip

Improved version of the best selling series of 342 FM stereo receivers with Integrated Circuits (IC's), and nolse filter. Integrated Circuits plus FET front-end in the tuner section provides increased selectivity, and virtually eliminates interference from nearby stations. Also features precision signal strength funing meter, stereo indicator light. tape monitor switch, dual speaker switches to select Maln/Remote or both set of speakers, and front panel stereo headphone output. Specifications: Sensitivity $-2.2 \mu \mathrm{~V}$-; Selectivity 42 db: Music Power- 65 watts @ 4 ohms; Cross Modulation Rejection - 80 db; Stereo separation - 36 db ; Power Bandwidth - $25-20,000 \mathrm{~Hz}$; Frequency Response $-15.30,000 \mathrm{~Hz}$. Size: $143 / 4 \times 121 / 2 \times 41 / 3^{\prime}$. For $117 \mathrm{~V}, 60 \mathrm{~Hz} \mathrm{AC}$. Shpg. wt. $161 / 2 \mathrm{lbs}$. 21 T $5421 \mathrm{wX} \$ 12.50$ Monthly Net 255.00 Oiled Walnut Wood Cabinet for 342 B . 21 T 6024 W Shpg. wt., 6 lbs . Net 22.50

## Wodel 382B 65-WATT SOLID. STATE AM/FM STEREO RECEIVER



## ${ }^{\text {only }} 290^{\circ 0}$

 (Less Enclosure)No Money Down

## - FET Transistor Front-End

- Stereo Indicator Light
- Front Panel Headphone Jack

> Quality AM/FM stereo recelver featuring patented automatic variable bandwidth AM tuner and Field-Effect-Transistor (FET) FM frontend with bullt-In nolse filter to virtually eliminate interference from strong nearby stations or other nolse sources. Direct coupled silicon outputs eliminates power robbing, frequency limiting transformers. Has stereo indicator light and precision tuning meter. Full array of controls include separate Bass and Treble for each channel, dual speaker switches allows you to select main. remote or both sets of speakers, and full tape monltoring facilities. Specifications: Music Power, 65 watts @ 4 ohms; Usable Sensitivity, $2.2 \mu \mathrm{v}$.; Signal-to-Nolse Ratio, 60 db ; Frequency Response, $15-30,000 \quad \mathrm{~Hz}$; Harmonic Distortion, $0.8 \%$. $143 / 4 \times 141 / 2 \times 41 /{ }^{2}$. for $117 \mathrm{~V} ., 60 \mathrm{~Hz}$ AC. Shpg. wt., $163 / 4$ los. 21 I $5425 \mathrm{wx} \$ 15$ Monthly Olied Walnut Wood Cabinet for Model 3828. 21 T 6024 W Shpg. wt., 5 lbs. - Net 22.50

## Model 344C 90.WATT SOLID-STATE FM STEREOPHONIC RECEIVER



## ony $339{ }^{95}$

(Less Enclosure)
No Money Down

\author{

- Integrated Circuits (IC) <br> - Field Effect (FET) Front-End <br> - Tape Monitoring Facilities
}

High quality FM stereo receiver with exclusive Scott silver plated, Field-Effect Transistor frontend for maximum sensitivity with minimum interference. Features Integrated Clrcuit (IC) IF strip, and a ebony color decorator styled face plate that conceals the dial scale markings until the power is switched on. Dynaurale muting control, professional signal strength meter, built-in nolse filter, front-panel gultar and mike Inputs, complete tape monitoring facilities, switch for main, remote, or both set of speakers, computer-type pushbutton switches. Specifications: Sensitivity - $1.9 \mu \mathrm{~V}$; Frequency Response $-15-30,000 \mathrm{~Hz} \pm 1 \mathrm{db}$; Music Power - 90 watts @ 4 ohms; Stereo Separation - 36 db . Size: $171 / 8 \times 13 \times 51 / 4^{\prime \prime}$. For 117 V .60 Hz . AC. Shpg. wt., $211 / 2 \mathrm{lbs}$. 21 T 5422wx $\$ 17$ Monthly __....Net 339.95 Oiled Walnut Wood Cabinet for 344C. 21 T 6063W Shpg. wt., 8 lbs. - Net 26,95

## Model 38490 -WATT SOLID-STATE AM/FM STEREO RECEIVER



## ont 369

 (Less Ënclosure)No Money Down

- (FET) Transistor Front-End
- Integrated Circuit (IC) Strip
- Dynaural Interstation Muting

Combines a supert AM/FM tuner with a powerful 90 -watt solld-state amplifier on one handsome chassis. Features Fleld-EffectTransistor (FED) silver plated front-end for outstanding FM sensitivity, and integrated circuit (IC) IF strip with built-in noise limiter for extra sharp selectivity. AM section boasts Scott's patented wideband automatic variable bandwidth AM tuner for outstanding AM reception. Also Includes professional signal strength meter, stereo indicator light, tape monitoring facilities, front panel headphone jack, front panel Mike/Guitar inputs, dual speaker switches for main, remote or both operation. Specifications: FM Sensitivity, $1.9 \mu \mathrm{v}$; Selectivity, 46 db ; Cross Modulation Rejection, 90 db ; Power, 90 watts @ 4 ohms; Frequency Response, 15-30,000 Mz: H.O. $0.8 \%$. Size: $171 / 4 \times 15 \times 51 / 4{ }^{*}$. For 117 V ., 60 Hz AC. Shps. wt., 26 lbs. 21 T 5424WX $\$ 19$ Monthly _net 369.95 Olled Walnut Cabinet for Model 384. 21 5063 w Shpg. wt., 8 lbs . - Net 26.95

Model 348B 120-WATT SOLID. STATE
FM STEREOPHONIC RECEIVER


## Only 4.109

## No Money Down

- Music Power: 120 Watts @ 4 Ohms
- 3-FET Front-End
- Integrated Circuits (IC's)

Scott's finest FM stereo receiver features the latest IC (Integrated Circult) If for out. standing separation and capture ratio, Dynaurale muting, complete tape monitoring facilities, and professional signal strength meter for precise FM tuning. Patented time switching multipiex automatically and sirently switches to stereo when tuned to a stereo station. Also includes dual frontpanel microphone jacks. Stereo/Mono switch for remote speakers permits use of 3rd channel without effecting main stereo speakers. Specifications: Sensitivity - $1.7 \mu v_{i}$ Selectivity - 4 db ; Capture Ratio - 1.9 db ; Sig-nal-to-Noise ratio 65 db ; Stereo Separa-tion- 40 db ; Frequency Response - 15 $30,000 \mathrm{~Hz}$. Stre: $171 / \mathrm{m} \times 131 / 2 \times 51 / 4^{\prime \prime}$. For 117 V ., 60 Hz AC. Shpg. wt., 25 lbs.
21 T 5423wX $\$ 23$ Monthly _._._Net 449.95 Olied Walnut Wood Cabinet for 348B. 21 T 6063 w Shpg. wt., 8 los. Net 26.95


## Only 195

No Money Down

- 3-Field-Effect Transistor
Front-End
- Integrated Circuit (IF) Strip

Powerful AM/FM stereo receiver consists of a magnificently performing (120-watt IHF @ 4 ohms) stereo amplifier, and a super sensitive AM/FM stereo tuner with exclusive sllver plated 3-FET front end, and patented automatic variable wideband AM tuner on one compact chassis. Includes many professional features including Dynaural muting control, professional signal streneth meter, and patented time switching multiplex with stereo Indicator light. Has every control for complete operating convenience - Features dual speaker switching (main speakers can be operated on stereo while remote speaker can be stereo or mono). Sensitivity, $1.7 \mu \mathrm{v}$ i Signal-to-Nolse Ratio, 65 db ; Frequency Response, $15-30,000 \mathrm{~Hz}$; Harmonic Distortion, $0.8 \%$ : Stereo Separation, 40 db . Size: 171\%x $151 / 2 \times 51 / 4^{\prime \prime}$. For 117 V ., 60 Hz AC. Shpg. wt., 26 lbs.
21 T $5426 \mathrm{Wx} \$ 24$ Monthly _.... Net 474.95
Oiled Walnut Cabinet for Model 388B.
21 T 6063 W Shpg. wt., 8 lbs. ... Net 26.95

# Deluxe Stereo Hi-Fi Music Systems FEATURING SCOTT, GARRARD AND LAFAYETTE HI-FI COMPONENTS 

\author{

## Complete

 System <br> $329^{95}$ <br> No Rioney Down <br> YOU SAVE 64.35 <br> From Individual Catalog Pnces}

65 WATT FM STEREO MUSIC SYSTEM FEATURING SCOTT 342B RECEIVER

A superb selection of stereo components make up this ottstanding system-and you get a big savings of 64.35 from individual catalog prices. Features the Scott 324865 -watt FM stereo receiver (less enclosure); Garrard Model 40 MK-11 4 -speed automatic turntable with deluxe Garrard base; choice of elliptical stereo cartridge: Pickering V15-ACE-3, Empire 808E, or Shure M32E; and 2 Lafayette Criterion 502 -way speaker systems (see page 87 for complete description of the Criterion 50 's). All connecting cables ircluded. Stipg. wt. 86 lbs .
21 I 5443 wxm $\$ 17$ Monthly $\qquad$

| Choice of Elliptical Sartridges |  |  |
| :---: | :---: | :---: |
| - | 71 | 1 |
| Pickering V/15-ACE-3 | Empire 808E | Shure M32E |

Garrard

329.95

QUALITY 90 WATT FM STEREO PHONO SYSTEM FEATURING SCOTT 344C RECEIVER


Scott 344C FM Stereo Receive

## YOU SAVE 91.75

From Indvidual catalog Prices

An outstanding system featuring magnificent componen's, thrilling stereo realism, and tremendous savings of 91.75. Delaxe system consists pf Scott 344C 90 watt FM stereo receiver (less enclosure); new Garrard Model SL55 4-speed Synchro-Lab automatic turntable with deluxe base; choice of Elliptical stereo cartridge: Pickering V15/ACE-3, Empire 808E, or Shure M32E; and 2 Lafayette Criterion 150 10" 2 -way acoostic suspension speaker systems (see page 89 for complete description of the Criterion 150 's). All connecting cables are included. 21 T 5444 WXm Shpg. wt., 100 lbs. $\$ 23$ Monthly $\qquad$ Net 452.50

## Deluxe 90 WATT AM-FM STEREO PHONO SYSTEM FEATURING SCOTT 384 RECEIVER



Model SL65


Scott 384 AM/FM Stereo Receiver

## Complete System

$569^{95}$
YOU SAVE 104.30
Fiom Indivivan Catatog prices

Spectacular performance and savings when you buy this superb performing Hi-Fi Music System. Features Scotts powerful Model 38490 watt AM FM stereo receiver (less enclosure), new deluxe Garrard Model SL 65 4-speed synchro-Lab automatic turntable and deluxe base, cholce of outstanding stereo elliptical cartridge: Pickering V15/ATE-3, Empire 885E, or Shure M93E; and 2 Lafayette Criterion 3x 12" 3-way Acoustic suspension speaker systems (see page 91 for complete description of the Criterion $3 x$ 's). All connecting cables are included.
21 T 5445wxM Shpg. wt., 136 lbs. $\$ 29$ Monthly $\qquad$ Net $\mathbf{5 6 9 . 9 5}$

## NEW! m SCOTTHi-Fidelity Components For 1969



## NEW! MODEL 341 50-WATT STEREOPHONIC RECEIVER

Moderately priced, quality FM stereo recelver with many of the fine features found In Scott's higher priced equipment... all sillicon circuitry IC preamp; IC IF strip; tuning meter for accurate FM tuning: FET Tone control clrcult; 3-pair of internal stereo inputs for Magnetic Cartridge, Aux, and Tape Monitoring; Stereo Balance control; front-panel Headphone jack; Mono/Stereo switch; Loudness Volume compensation switch; 8alance control; separate Tone controls for each channel; Main/Remote, or both speaker operation.

Specifications: IHF Power- 50 watts @ 4 ohms; Frequency Response - 15-25,000 $\mathrm{Hz}_{\mathrm{i}}$ FM Usable Sensitivity - $2.5 \mu \mathrm{~V}$ : $\mathrm{S} / \mathrm{N}$ Ratio -be. low rated power 55 db ; Stereo Separation-@ $1 \mathrm{kHz}-36 \mathrm{db}$; Total Harmonic Distortion - $.8 \%$ © full power. Size: $143 / 4 \times 121 / 2 \times 4 \%$. Shpg. wt. 15 lbs. Less Enclosure. 21 I's446wx $\$ 11$ Monthly $\qquad$
Walnut Wood Case for Model 341. Shpg. wt., 6 lbs. Net 218.95 21 T 6024W

## 50 WATT FM STEREO HI-FI MUSIC SYSTEM Featuring Model 341



Scett 341 FM Stereo Receiver

## 5 peaker systems



Garrand 40 MK-II


Plckering VIS/AC. 3 Elliptical Cartride

Complete System

$$
313^{50}
$$

## You Save 70.75

From Individual Catalog Prices


- 2 Acoustic Suspension Loudspeaker Systems
- Handsome Walnut Wood Cabinetry
- FET and IC Circuitry
- Complete Tape Monitoring Facilities
- Can Be Connected To 12VDC Battery For Boat or Trailer Use
- Front-Panel Headphone Jack

The "take anywhere" AM/FM stereo hi-fi system. Operates on 117V., 60 Hz AC , or 12 VOC boat or automoblie battery. with a simple connection you can ilsten to beautiful stereo hiti music on your boat or in your traller. The 2550 also features the latest advanced solid state circuitry; FET front-end for picking.up hard to get FM stations, and Integrated Circuit preamplifier and If strip for separating crowded AM stations. Includes complete tape monitoring facilities, automatic stereo switching for reception of FM stereo broadasts, speaker balance control, speaker On/Off switch for pri. vate headphone listening, Input connection for Tape Recorder and Magnetic Phono cartridge. Each speaker enclosure contains a matched $4^{\text {" }}$ wide-range alr suspension speaker for outstanding tonat quality. Specifications: Frequency Response- $20-20,000 \mathrm{~Hz}$; Usable FM Sensitivity- $2.5 \mu V_{\text {; }}$ Harmonic Distortion- $8 \%$; Stereo Separation @ 1 kHz - 36 db . Slze: Receiver Section- $13 \% \times 7 / 4 \times 5 / 2^{" H} \mathrm{H}_{\text {; }}$ Speak. ers - $135 / 4 \times 63 / 4 \times 7$ 夝"H. Shpg. wt., 30 lbs . 21 T 5447WX $\$ 10$ Monthly

## wiscotr Stereo Amplifiers And Tuners



## Model 299F 65 WATT SOLID STATE STEREO AMPLIFIER

$1799^{95}$
less enctosure - Tape Monitoring Facilities No Money Down - Dual Speaker Switching Powerful 65 watt solid state amplifier features rugrad direct coupled all silican circuits. and modular type printed circuit boards for maximum reliability, low distortion. Has complete facilities for tape monitoring. dual speaker switching for remote-main-or both operation, and a headphone jack. Full range of control functions including separate bass and treble for each channel, and a scratch fliter. Frequency response: $10-30,000 \mathrm{~Hz}$. Harmonic Distortion: $0.8 \%$ Hum and Noise: -55 db . $143 / 4 \times 123 / 4 \times 41 / 8^{" D}$. For 117 VAC 60 Hz . Shipg. wta, $141 / 2$ ltes. 21 T 542 wh $\$ 9.00$ Monthly Net 179.55 Metal Case for Model 299 F Shpg. wt., 5 lbs. 21 T6009w Walnut Wood Case for Model 299f Shpg. wt., 6 ibs. 21 T co24w


Model 315B SOLID STATE FM STEREOPHONIC TUNER

$189^{95}$- Field Effect Transistor Front End - Integrated Circuit (IC) IF Strip
less enclosure - Stereo Indicator Light No Money Down
High quality FM stereo tuner featuring Scott's exclurive silver plated front end and famous IC IF strip for increased sensitivity. FET's virtually eliminate annoying interference and provide free. dom from drift. Has precision signal strength meter for accurate station tuning and Scott-patented time switching multip ex circuit. Usable sensitivity: $2.2 \mu \mathrm{v}$. Signal to noise ratio: 60 db . Coss modu. lation rejection: 80 db . Stereo separation: 30 db . Capture ratio: 2.5 db . $141 / 4 \times 13 \times 44 \mathrm{~s}$. Shog. wt., 11 lbs
21 T 5427 wx \$10 Monthly
Metal case for 315 . Shpg. wt., 5 lbs.
21 T 6009W
Walnut wood case for 3158. Shpg. wt., 6 lbs.
21 T 6024w


## $249^{95}$ <br> less enclosure

DELUXE MODEL 260B 120 WATT SOLLD STATE
less enclosure - Tape Monitoring Facilities
No Money Down Dual Speaker Switching Superbly engineered and constructed solid state stereo amplifier. Features a multitude of modern conveniences-computer type pushbutton switches. complete tape monitoring facilities, dual front panel microphone inputs, and dual speaker selector switch for main and/or remote operation. Wide range of control functions including tone control by-pass switch for absolutely flat response. Direct Coupled silicon outputs. Response: $15.30 \mathrm{~K} \mathrm{~Hz}_{2}$. Harmonic Distortion: $.8 \%$. Hum and nolse: -55 db . Size: $14 \frac{1}{4} \times 12 \times 44 \mathrm{~m}^{\prime \prime}$. For 117 VAC 60 Hz Shpg. wt. 25 lbs. 21 I $5430 \mathrm{wx} \$ 15$ Monthiy

## STEREO AMPLIFIER

- 120 Watt IHF @ 4 ohms Metal Case for Model 260日. Shpg. wh. 5 lbs.
21 I 6009 w 21 6009w
Wainut Wood Case for Model 260B. Shpg. Wt., 6 lbs.




## DELUXE Model 3120 SOLID STATE FM STEREOPHONIC TUNER - Three FET Front End

## 296 <br> less enclosure

- Integrated Circuit IF Strip
- Three.Way Tuning Meter

No Money Down - Dynaural Muting Control
Scott's finest tuner featuring the sllver plated, FET front end and IC IF strip for maximum sensitivity with minimum interference. 3-way meter allows you to monitor signal strength, multipath and center tuning. Has computer type pushbutton swifches, patented time switching multiplex circuit, and stereo indicator light. Usable Sensitivity: $1.7 \mu \mathrm{v}$. Signal to Nolse Ratio: 65 db . Stereo Separation: 40 db . Cross Modulation Rejection: 90 db . Size: $143 \times 124 / 2 \times 41 / \mathrm{s}^{-}$ For 117 VAC 60 Hz . Shpg. wt., 13 lbs . 21 T 5428 Wx \$15 Monthly $\qquad$ Net 296.95 Metal Case for Model 3120. Shipg. wi., 5 lbs. 21 T6009w $\qquad$ Net 12.50
Walnut Wood Case for Model 3120. Shpg. wt., 6 los. 21 T co24W

Net 22.50


## Deluxe mscotw Hi-Fi Kits



## Model LT-112B-1 SOLID STATE FM STEREOPHONIC TUNER KIT



\section*{Model LKGOB 120 WATT SOLID STATE

# AMPLIFIER KIT 

}
# AMPLIFIER KIT 

}$179^{95}$

- FET Front End - Dynaural Muting Control - Stereo Indicator Light
less enctosure

No Money Down
A superb tuner in easy to bulld kit form. Learn as you build manual contains full color wiring diagrams. mistake proof double check instructions. and theory of operation. Finished product is a fine performer featuring the famous Scott silver plated FET front end for maximum sensitivity and low distortion. Has four position meter selector switch for signal strength, multipath center fre. quency tuning and alignment, and stereo indicator light for positive identification of stereo broadcasts. Dynaural muting control virtually eliminates interstation static. Usable sensitivity: $1.8 \mathrm{\mu v}$. Signal-to-noise ratio: 65 db . Cross modulation rejection: 90 db . Dim. $143 / 4 \times 121 / 2 \times 41 / 0^{\circ}$. For 110 VAC 60 Hz . Shpg. wt. 17 lbs. 21 \$5434Wx $\$ 9.00$ Monthly Net 179.95 Metal case for Model LT-112B-1. Shpg. Wt., 5 lbs. 21 T 6009 w Walnut wood case for Model LT-1128-1 Shpg. wt., 6 ibs. 21 T 6024 W

# $1799^{95}$ <br> - 120 Watts IHF Output @ 4 Ohms <br> - Tape Monitoring Facilities <br> - Front Panel Headphone Jack 

No Money Down
Enjoy the advantages of famous Scolt quality in economical hit form. The LK-60B 120 Watt stereo amplifier features direct coupled silicon outputs for maximum power and low distortion. Step by step instructions with mistake proof cross checks assure optimum performance. Has complete tape monitoring facilities, buift-in meter for power monitoring and construction testing. and a full range of control functions including a 7 position stereo selector. rumble and scratch filters, and separate bass and treble for each channel. Specifications: Frequency response: $15 \cdot 30,000 \mathrm{~Hz}$. Harmonic distortion: $8 \%$. Hum and noise: - 55 db . Dimensions: $143 / 4 \times 133 / 4 \times$ 41/4". For 110 VAC 60 Hz . Shpg. wt., 22 ibs.
21 T $5433 \mathrm{wx} \$ 9.00$ Monthly
Net 179.95
Metal Case for Model LK-60B. Shpg. wt., 5 lbs.
21 T 6009 w
Net 12.50
Walnut Wood Case for Model LK-60B. Shipg. wi., 6 bs.
Net 22.50
Ne? 22.50

## WATT AM/FW STEREO RECEIVER KIT <br> Model LR-88 SOLID STATE 100 WATT AM/Fw STEREO RECEIVER KIT



## only $299^{95}$

less enclosure No Money Down

- 100 Watt IHF Power @ 4 Ohms
- FET Front End
- Integrated Circuit IF Strip
- Tape Monitoring Facilities
- Dynaural Muting Control

Superbly performing 100 watt AM/FM stereo receiver kit incorporating the latest advances in audio and FM stereo engineering. Full color easy to follow instruction manual has virtually mistake proof instructions for the audio connoisseur who wants to build his own quality recelver. Features IC IF strip and FET front end for maximum sensitivity and minimum interference. Has wideband AM with automatic variable bandwidth, dual speaker switch, com-
puter type pushbutton selector switches, 2 meters for signal strength dual front panel mike inputs. Response: $\mathbf{1 5 - 3 0} \mathrm{KHz}$. FM sensitivity: $2.0 \mu \mathrm{~V}$. Signal-to-nolse ratio: 65 db . $17 \% / 6 \times 15 \times 51 / 4 *$. For 110 VAC 60 Hz . Shpg. wt., 22 lbs.
21 T 5435WX $\$ 15.00$ Monthly
Net 299.95
Oiled Walnut cabinet for LR-88. Shpg. wt., 8 lbs.
21 T 6063 H

100 WATT AM.FM STEREO PHONO SYSTEM
 featuring Scott LR88 Receiver Kit


Pickering V15/ACE-3

## YOU SAVE $65^{30}$

From Individual Catalog Prices

## Complete System

 $409^{95}$No Money Down

Selected for the "do-it-yourselfer" and music lover, this deluxe system provides magnificent performance -and you also save 65.30 from individual catalog prices. Consists of the Scott LR88 100-watt AM-FM Stereo Recelver less enclosure: Garrard SL. 554. speed automatic Svnchro-lab turntable with deluxe base; Pickering V15/ACE. 3 Elliptical Stereo Cartridge; and 2 supert Lafayette Criterion 75 Acoustlc Suspension Speaker Systems (see parge 87 for complete description of the Criterion 75's). All connecting cables ane included. Shpg. wt., 80 lbs. 21 T5451wXM $\$ 22$ Monthly Net 409.95

# Superb Quality Hi-Fi Components bymaremize 



## MODEL 1870 WATT SOLID STATE FM STEREO RECEIVER

Delure stereo peceiver cumplete with dual 35 watt RMS solid state direct coupled amplifiers, solid state stereo preampllfier and solid state FM stereo tuner. FM tuner section features gyro-touch tuning which provides sifty smooth tuning over the entire dial. Very low FM stereo distortion is made possible through the use of constant phase If filters. Built-in oscilloscope shows exactly when station is tuned in for highest quality FM stereo reception. Direct coupled power amplifiers are designed so that overload recovery is virtually instantaneous. At and below rated power from $20-20 \mathrm{KHz}$, distortion is less than $\mathbf{2 \%}$. Front panel dubbing input and output are provided, as is a stereophone output jack. Also features speaker selector switch for stereophone, remoté, of main speakers. Specifications: signal-to-noise ratio 70 db ; harmonic distortion $0.15 \%$; stereo separation at 1 KHz 45 db . Size: $18 \mathrm{~V} \mathrm{a}^{\prime \prime} \times 16^{\prime \prime} \times 6^{*}$. Less Cabinet. For $105-130 / 220-240 \mathrm{~V} \mathrm{AC} 50 / 60 \mathrm{~Hz}$. Shpg, wt. 40 los. 21 I s013wx $\$ 29$ Manthly $\qquad$ Net 595.00 Oited Walnut Wood cabinet for Model 18. 21 T 5014 w Shpg. wt., 11 lbs.

Net 39.50

## MODEL 7 SOLID STATE STEREO PRERMPLIFIER CONSOLE

## MODEL 15120 WATT SOLID STATE STEREO BASIC AMPLIFIER



- Tape Play/Tape Copy Switch
- Center Channel Output
- Selector Switch With Automatic Equalization

Deluxe self-powered solid state stereo preamplifier combines new methods of solid state application developed by Marantz eagineers with remarkable Marantz quality construction for complete versatility and ease of operation. Deluxe features include: 2 front panel jacks for recording, copying, or playback with an external Tape Recorder, 8 pos. selector switch with automatic equalization insertion, Precision traching volume control, selectable-curve feedback Tone control, 5 pos. mode control, output level adjustments for high and low efficiency speakers, Tape head equallizer adjustments. Complete input facilities for every type of music source, 6 AC /Convenience outlets. Frequency Response: $20 \cdot 20,000 \mathrm{~Hz} \pm 0.1 \mathrm{db}$. IM Distortion: $0.15 \%$ at 10 volts RMS output. Slze: $15 \% \times 53 / 4 \times 81 / 2^{\prime \prime}$. $105 \cdot 130 \%$ $220-240$ volt. $50 / 60 \mathrm{~Hz}$ AC. Shpg. wt. 12 los.
21 § $5009 w x \$ 17$ Monthly Less cabinet $\qquad$ Net 325.00 21 T 5002W Oiled Wainut cabinet for 7T. Wt.. 4 lbs.__ Net 24.50

## ACOUSTIC RESEARCH MODEL "AR" 120 WATT STEREO INTEGRATED AMPLIFIER

- Power Output 60 Watts RMS Per Channel

Deluxe stereo control preamplifiep and power amplifier. All silicon solld state circuitry. Special DC driver clamping circuit to provide very clean clipping and rapid recovery from overloads. This feature increases the usable dynamic range by heeping sound clean at very high power levels. Response: $20-20,000 \mathrm{~Hz} \pm 1 \mathrm{db}$ at full power or below. Distortion is less than $0.5 \%$ from 20. $20,000 \mathrm{~Hz}$ up to full power. Input sensitivity: phono circuit-2 $\mathbf{m v}$. to 5 mv . (adjustable); tape playback and tuner inputs- 200 mv . for full power output. Self-resetting, theromstatic circult circuit breakers for both channels plus speaker fuses. For $110-120$ volts $\mathrm{AC}, 60 \mathrm{~Hz} .151 / 8$ $\times 4 x_{4} \times 10^{\prime \prime}$. Shpg. wt., 21 lbs.
21 f $7266 \mathrm{wx} \$ 11.50$ Monthly. $\qquad$ Net 225.00 Walnut cover for AR amplifier. Shpg. wt., 4 ib.
21 Net 15.00


# Quality dynact High Fidelity Components 

## PAS-3X STEREO PREAMPLIFIER KIT

- All critical circuits pre-wired at Factory

Down

## - Complete Stereo Control facilities <br> $\$ 5$ Monthly

Top-performing stereo preamp for use with high quality basic ampll. fiers includes two independent high gain, low nolse preampliffer. control channeis. All critical circuitry is pre-assembled on 2 printed circuit boards. Features "Dyma-Blend" For variable channel separation, DC heated tube fliaments. Inputs: 3 stereo low level and 4 stereo high level. Frequency response: $\pm 0.5 \mathrm{db} 10.40,000 \mathrm{~Hz}$. Distortion: less than $.05 \%$. Noise less than $2 \mu \mathrm{~V}$. Gain, 60 do at 1000 Hz on RIAA, 20 db on high level. For $110-120 \mathrm{~V}$., $50 / 60 \mathrm{Mz}$. Delure gold panel. Size: $134 / 2 \times 41 / 4 \times 88^{\circ}$. Shpg. wt., 11 lbs.
21 I 2301 wx PAS. $3 x$ Kit. $\$ 5$ Monthly
21 I2302wx PAS-3XA Wired. \$6 Monthiy
"SCA-35" 35-WATT STEREO INTEGRATED AMPLIFIER KIT


No Money Down $\$ 5$ Monthly

- Flat Frequency Response From 10 to $40,000 \mathrm{~Hz}$
- Printed Circuit Boards For Fast, Easy Assembly

The stereo 70 provides outstanding reproduction. firm bass, and smooth natural highs. Delivers 35 -watts per channel, Frequency response: $\pm 0.5 \mathrm{db}$ from 10 cps to $40,000 \mathrm{~Hz}$. IM distortion: less than $1 \%$ at 35 watts. Sensitivity 1.3 volts rms input for 35 watts output. Hum and Noise: better than 90 do below rated output. Output impedance: 4,8 and 16 ohms. Nickel-finished chassis; vinyl coated charcoal brown cover. For $110 \cdot 120 \mathrm{~V} 50 / 60 \mathrm{~Hz}$ AC. Size $13 \mathrm{Wx} 6 \mathrm{y} / \mathrm{Hx}$ $9^{\prime \prime} \mathrm{D}$. Shog. wt., 32 lbs.
21 I 2303 wx Stereo 70 Kit . $\$ 5$ Monthly
Net 99.95
21 T 2304 wx Stereo $70 / \mathrm{A}$ Wired. $\$ 7$ Monthly
Net 129.95

FM-3 FM STEREO TUNER KIT


- Automatic Stereo Switching


## No Money Down

- Full Range of Stereo Inputs
- Frequency Response $20-20,000 \mathrm{~Hz}$
$\$ 5$ Monthly
Combines a quality stereo preamplifier with a 35-watt stereo power amplifier. Inputs 7 pairs: outputs; tape. 8 and 16 ohm speaker outputs, and provision for headohone connection. Frequency Response: $20-20,000 \mathrm{~Hz} \pm 0,25 \mathrm{db}$., IM Distortion: less than $1 \%$. Hum and noise, 70 db below rated output. Controls: Input Selector, Volume, Bass, Treble, Stereo-Mono Switch, Loudness compensation switch, Filter switch, Power switch, For $110 \cdot 120 V$ AC. Complete with case, deluxe gold panel, Size: $131 / 2 \times 41 / 4 \times 10^{\prime \prime}$. Shpg. wt., 20 lbs .


## 2172317 wx SCA- 35 Kit. $\$ 5$ Monthly 21 T 2318 wx SCA-35 Wired. $\$ 7.50$ Monthly <br> Net 99.95

"STEREO 35" 35-WATT STEREO BASIC AMPLIFIER KIT
 watts continuous each channel, 45 watts IHF Music power (both channels). Response $\pm 1$ db 10 to $40,000 \mathrm{~Hz}$. Harmonic and 1 M distortion are less than $1 \%$ at 17.5 watts each channel. Hum and Noise: 80 db below 17 watts. Damping factor 10 . Output impedance: 8,16 ohms cadmium plated chassis, charcoal brown cover. For $110-120$ volts. 60 Hz AC. Size: $13 \times 51 / 2 \times 4 \times \mathrm{H}$. Shog. wt., 16 los.
21 I 2315 wx Wit. $\$ 5$ Monthly .... Het 59.95 21 2316wK Wired. $\$ 5$ Monthly Net 79.95

- Rapid, fool-proof assembly

No Money Down

A deluxe FM Stereo tuner designed for flawless FM mono or Multiplex reception. Offers high sensitivity, selectivity, and separation. Uses 4 if limiters, wideband balance bridge discriminator and time-switching multiplex system. Features Dyna's "stereomatic" tuning system that automatically switches to stereo and signais when muitiplex is being received. Kit version offers rapid, foolproof assembly unique circuit design permits simple, yet precise, nome alignment using the tuning eye alone. Sensitivity: 4 uv. Frequency Response, $10-40,000 \mathrm{~Hz} \pm 0.5 \mathrm{db}$ (before de-emphasis). Separation: 30 db . For $110 \cdot 120 \mathrm{~V} 50 / 60 \mathrm{~Hz}$ AC. With deluxe gold panel and brown vinyl coated cover. Size: $131 / 2 \mathrm{~W} \times 4 \mathrm{z} / \mathrm{H}_{x} 8^{\prime \prime} \mathrm{D}$. Shpg. wt. 13 lbs. 21 T 2322wx FM. 3 KIt.

Net 99.95
Net 99.95

## MODEL FM. 1 FM TUNER KIT



The "Dynatuner" offers for top performance in near or fringe areas. Can be completely aligned without the need for auxiliary equipment or instruments - using only the buitt-In tuner indicator. Tuned RF input provides 4 microvolt (IHFM) sensitivity and ex. cellent rejection of spurious signals. IM DISTORTION: less than $0.5 \%$. 7 tubes plus rectifier. tuning eye and 2 diodes. POWER REQUIREMENTS: 110.120 V . AC. 60 Hz . 13 x $4 x^{\circ}$. Shpg. wt., 12 ibs.
21 2305wx $\$ 5$ Monthly Net 74.95 21 T 2306 wx Wired. $\$ 6$ Monthly. Net 109.95

## OTHER OYNAKIT COMPONENTS

## MODEL FMX. 3 MULTIPLEX INTEGRATOR XIT.

Fits into chassis cutout of FM- 1 and converts it to fully automatic stereo reception when multipler is broadcast. Channel separation 30 db . Shpr. Wt. 3 tbs 21 T 2351

Net 29.95 MARK IV AO-WATT MONO BASIC AMPLIFIER KIT. Ideal match for PAM- 1 or PAS. 3 Pre. amps: Response: $\pm 0.5 \mathrm{db}$ from $10-40,000$ Hz . IM distortion: Less than 1\%. Hum \& Noise: 90 do down. 4, 8, 16 ohms output. With cover $14 \times 5 \times 7 \cdots$ H. Shpg. wt., 20 lbs. 21 T 2313 Wx Kit. $\$ 5$ Monthly ..... Net 59.95 Mark IV/A Wired
21 T $2314 w x$ \$5 Monthly
Net 79.95 PAM-1 MONO PREAMPLIFIER MIT. FASt print. ed circuit board construction. Full flexibility for all input sources. Response: $\pm 0.5 \mathrm{db}$. 10 Hz to 40 KHz . IM dist.: less than $0.05 \%$ at 2 V output. 200 to 400 Vdc at 4 ma and 6 Vac at .75 amps. With baked vinyl coated cover. $12 \times 6 \times 3$. Shpg. wt. 7 lbs, 21 T 2352 Kit. \$5 Monthily

Net 34.95 PAM.1/A Wireo
21 T $2353 \$ 5$ Monthly
Net 50.95

# Deluxe New Solid State Components by Dynact 

PAT-4 STEREO PRE-AMPLIFIER KIT


# PAT. 4 KIT $89^{95}$ <br> <br> \section*{PAT-4 <br> <br> \section*{PAT-4 WIRED WIRED $129^{95}$} $129^{95}$} <br> No Money Down 

No Money Down
"STEREO 120" POWER AMPLIFIER KIT


- Exclusive Tone Control Circuit (Patent Pending)
- 8 Silicon Transistors, 2 Diodes

Deluxe solld state stereo pre-amplifier offering complete control facilities for any conceivable stereo or music system source. Features exclusive "Dyna Tone Control Circuit" to assure truly flat response (Patent Pending). Also features a switch selected high frequency filter @ $\quad 7,10$, and 15 kHz . Plus flat position. SPECIFICA. TIONS: Freq. Response: $\pm 0.5 \mathrm{db}$ from 10 to $100,000 \mathrm{~Hz}$. Harmonic Oistortion less than $0.5 \%$ at 2 volts output between 20 Hz and $20,000 \mathrm{~Hz}$. IM: less than $0.5 \%$ at 2 volts output; Tone Control Range $\pm 12 \mathrm{db}$ at 50 Hz and $10,000 \mathrm{~Hz}$. Noise: less than 2 mv . 8 silicon Transistors, 2 diodes. For 120 or 240 volts 50 or 60 Hz . Shpg. wt., 10 lbs . Size: $131 / 2 \times 41 / 4 \times 8^{\circ \prime}$
21 I 2325 WX PAT-4 Kit. \$5 Monthly ...................................... 89.95 21 T2326WX PAT-4A Factory Wired. 57 Monthly Nel 129.95

## - 60 Watts RMS Power Output Per Channel*

- 15 Transistors, 15 Diodes

A solid state stereo power amplifier which offers superb performance. Perfect companion to the PAT-4. No interstage or output (ransformers are used. Output selection uses serles-connected pushpull power transistors. Power output per channel: 60 watts RMS © 8 ohms. Features: Electronic protection against open circuits or shorts; by means of a current limiting biasing circult. No fuses or circuit breahers are needed. SPECIFICATIONS: Frequency Response: $100,000 \mathrm{~Hz} ; \pm 0.5 \mathrm{db}$. Harmonic Distortion: less than $0.5 \%$ at any power level up to 60 watts. Im Distortion: less than $0.5 \%$ up to 60 wafts. Noise: 95 do below rated output. 15 Transistors, 15 diodes. Size: $13 \times 104 / 2 \times 4^{\prime \prime}$. For 120 or 240 volts. 60 or 50 Hz . Shpg. wt., 20 lbs.
21 T 2323 mx Kit. \$8 Monthly
Net 159.95
21 T 2324 wx Factory Wired. $\$ 10$ Monthly

## Solid State Stereo Receivers

harman Kardon
 $121 / 20 \times 4 \%$ H. Less Enclosure.
21 I 4270 wX Shpg. Wt., 21 lbs. $\$ 13.50$ Monthly ........... Net 269.00 Harman Kardon Model 530 . 70 -Watt AM.FM Stereo Receiver. IIdentical to Model 520 , but with MOSFET AM circuit. Shpg. wt., 23 lbs
21 T 4271 wx Shpg. wt. 26 Ibs. $\$ 13.50$ Monthly 21 T 427 aw Oiled Walnut Enclosure for 520 and 530 ...... NEt 25.50
Harman Kardon Model 210 50.Watt AM/FM Stereo Receivar. Handsome 50 watt receiver with Nocturne styling. When power is turned off-the tuning scale disappears behind a gleaming ebony panel. The 210 feature an MOSFET front end, FM stereo indicator ight, and an llluminated D'Arsonval tuning meter for preclse FM and AM tuning. Also has two separate speaker selector switches for choice of stereo in 2 rooms, tape monitor, and headphone receptacte. Power: 50 watts IHF. Frequency Response: $\mathbf{1 0 - 2 3 , 0 0 0} \mathbf{~ H z}$ at full power. Harmonic Distortion: less than $1 \%$. Usable FM sensitivity: $2.7 \mu \mathrm{v}$ IHF, $143 /{ }^{\prime \prime}$ Wx $41 / 2^{2} \mathrm{H} \times 13 \mathrm{y} / \mathrm{a}^{\prime 2} \mathrm{D}$. Less Cabinet. Shpg. wt., 20 lbs . 21 I $4272 \mathrm{wx} \$ 12.50$ Monthiy

N $3 t 245.00$ 21 T 4275 W oiled Walnut Enclosure for 210. Wt. 10 ibs. Net 21.25
New 10C " 1000 " $100-$ Watt FM Stereo Receiver. Features Dio-Matic pushbutton FM tuning for 5 -stations. All-iransistor circuitry with Field-Effect-Transistor front-end for excellent stereo even in fringe areas. Automatic stereo/mono FM switching with stereo indicator light and dual function zero-center tuning meter. Main/remote speaker switching, stereo headphone Jack, and noise filter. Ampllfier section is a powerful 100-watt unit (music power, IHF). Power Bandwidth at 8 ohms: $20-20,000 \mathrm{~Hz}$. Both IM Olstortion and Harmonic Distortion less than $.3 \%$. Usable sensitivity of the tuner section is $2.0 \mu v$ IHF with excellent interstation quieting. Size: $17 \mathrm{~s} / 2 \mathrm{Lx} 51 / 2 \mathrm{Hx}$ $11^{\circ} 0$. Shpg. wt., 23 lbs,
21 I 1325wx $\$ 19$ Monthly
Net 349.95
$2 t$ T 1326 w Walnut Cabinet for 1000 . Wt. 7 lbs. .......... Net 21.55
$X$ at End of Stock No. Indicates Truck or Express Shipment
Harman Kardon Model 520 70-Watt FM Stereo Receiver. Complete stereophonic electronic music center with a stereo preamplifiep, powerful 70 -watt stereo amplifier, and FM stereo funer mounted on a handsome chassis. Features Nocturne Styling and Irtegrated circults. Separate speaker selector permits a choice of stereo in one or two rooms, individually or simultaneously. Has automatic stereo indicator, Hluminated D'Arsonval tuning meter, tape monitor switch, and stereo headphone Jack. Power: 70 watts JHF. Freq. Response:




# New ElCO Cortina Hi-Fi Components For 1969 

## Model 3570 SOLID-STATE 70-WATT FM STEREO RECEIVER



- Automatic Electronic Switching
- Baxandall Tone Control Circuit
- Full Compliment of Controls For Every Music Source


## $16^{\prime \prime 9}$

Including Cabinet

Deluxe "Easy-To-Build" FM Stereo Receiver Kit. FM Tuner Sectior has RF, IF, and Multiplex sections, all pre-assembled and pre. aligned. Features complete control facllities: Tape monltor; Loud ness control; Low and high filters; Balance control. SPECIFICATION Tuner Section: 2-RF stages, 4-stage double-tuned IF, and 5 tuned circuits; D'Arsonval tuning meter. Amplifier Section: Output Power: 70 watts IHF @ 4 ohms. Frequency Response: $8-60,000 \mathrm{~Hz} \pm 0.5 \mathrm{db}$. IM Distortion: less than $1 \%$. With Danish walnut vinyl-clad cabinet. Size: $41 / 2 \times 16 \times 9^{\prime \prime}$. For 117 V ., $60 \mathrm{~Hz} \mathrm{AC}. \mathrm{Wt.}$,19 lbs .
21 T 2566 WX 3570 Kit. \$9 Monthly
Net 169.95
21 T 2567wx 3570 Factory Wired. $\$ 12.50$ Monthly
Net 259.95
Model 3770 SOLID-STATE 70-WATT AM/FM STEREO RECEIVER


- All Silicon Audio Amplifier Section Delivers 70 Watts IHF Music Power
- 5 Tuned RF Circuits, 4-Stage Double Tuned IF Circuits
- Full Compliment of Controls for Every Music Source
- Automatic Switching Between FM Mono and FM Stereo

Factory Wired
$279^{95}$
Including Cabinet

Deluxe receiver delivers fine stereo performance as well as excellent nolse-free FM and $A M$ reception. Features precision D'Arsonval tuning meter and switchable AFC. FM channel separation more than 40 db . FM sensitivity is $5 \mu \mathrm{~V}$ for 30 db quleting. Ampliffer frequency response: $8 \cdot 60,000 \mathrm{~Hz}_{2} \pm .5 \mathrm{db}$. Hum and noise: 72 do below rated output. FM tuning section is prealigned and preassembled. Danish walnut vinyl-clad cabinet. For $105-130$ VAC, $50 / 60 \mathrm{~Hz}$. Size: $16 \times 9 \times 4^{\prime \prime}$. Shpg. wt., 20 lbs 21 T 2568wx Model 3770 kit.

Net 189.95
21 T 2569 wx Model 3770 Factory wired
Net 279.95

## Model 3150 ALL SILICON SOLID-STATE 150-WATT STEREO AMPLIFIER



- 150-Watt IHF Power at 4 -Ohms
- 4-Way Speaker Selector Switch: Main -Remote-Main and Remote-Phone
- Tape Monitor Facilities


Including Cabinet

## Wired

$225^{00}$
Including Cabinet

Quality solld-state stereo amplifier offers superb performance. Frequency Response: $10.50,000 \mathrm{~Hz}, \pm 1.5 \mathrm{db}$. Hum and Noise: 75 do below rated output. Power Bandwidth: $20-20,000 \mathrm{~Hz}$ at $.5 \%$ distortion. Harmonic Distortion: . $25 \%$. Inputs: mag, phono. tuner, tape, and auxillary. Outputs: $4-16$ ohm speakers, tape recorder, and stereo headphone (front panel). Danish walnut, vinyl-clad cabinet. For $105-130$ VAC, $50-60 \mathrm{~Hz}$. Size: $144 / 2 \times 9 \times 3$ ", 21 T 2570wx 3150 Kit. Shpg. wt., 19 fbs. .................... 149.95 21 T 2571 wx 3150 Factory wired. Shpg. wt., 19 lbs......... Net 225.00

Model 3440 SOLID-STATE SOUND N' COLOR ORGAN


- A New Dimension to Hi-Fi Sound
- Watch the Music You Love Spring to Life As A Vibrant Interplay of Colors

$$
\text { kit } 49^{95}
$$

Wired $7 \bigcirc 95$

Become totally involved with Sound $n^{*}$ Color. Fully enjoy music the modern way. EACH MUSICAL NOTE, TONE, PITCH OR SLIGHTEST CHANGE IN INTENSITY WILL CREATE ITS OWN VIVID COLOR PATTERN. Continuously shifting patterns of color are created by special high intensity lamps of the three primary colors. Both the colors and intensity can be varied externally by simple controls. Each of its lamps (red, blue, green) is adjustable in the frequency range it will cover. WIII not affect HI-Fi operation, Easily connects to speaker leads. Works on any 3.2 to 50 ohm audio source. In attractive, walnut-grain cabinet with shatterproof plastic front. Size: $10 \times 15 \times 6^{\prime \prime}$. Shpg, wt., 15 lbs. 21 T 2572 WX Model 3440, k/t. \$5 Monthly

Net 49.95
21 T 2573wx Model 3440, factory wired

## FIGO Hi-Fi Components and Systems



## Kit 9995 <br> Factory <br> Wired

EICO "CORTINA 3070" SILICON SOLID STATE 70-WATT STEREO AMPLIFIER

- 70 Watts IHF Music Power at 4 ohms; 50 watts IHF Music Power at 8 ohms
- Complete Control Facilities: Tape Monitor Loudness Contour, Low and High Cut Filters, Balance Control and Speaker Systems Switch
"Nl Silicon Solid State Design" offers powerful performance and true-to-life sound. Delivers 35 -watts of continuous pawer per channel (IHF) at 4 ohms. Freq. Resoonse: $5-100,000 \mathrm{cps}+1.5 \mathrm{db}$; $8-60,000 \mathrm{cos}+0.5 \mathrm{db}$. Mum and Nolse: 72 db below rated outout. Input Sensitivity: 4.2 mv on magnetic phono; 270 mv on auxiliary, tuner and tape. Input Impedance: 47 k ohm on magnetic phono; 110 k minimum on other inputs. Dan'sh walnut vinyl clad rease, For 105. $130 \mathrm{~V} 50 / 60$ cycies AC. Size: $3 \% 2 \times 12 \times 8$ "D. Shpg. wt., 14 lbs. 21 T 2537WX Model 3070 Kit \$5 Monthly .................. Nzt 99.95 Model 3070W-same as above but factory wired and tested 21 T 2538wX \$7.50 Monthly


## Kit 0995

## EICO "CORTINA 3200" SOLID STATE <br> FM/MPX AUTOMATIC STEREO TUNER

- 13 Transistors, 8 Diodes, 2 Rectifiers
- Contains 2 RF stages and 5 Tuned Circuits, plus a 4-Stage Double-Tuned IF Circuit

Quality solid state, RF. IF and multiplex circultry, provides excellent channel separation and eliminates interference. Noiseless, electronic automatic switching automatically indicates stereo (with light), and switches to stereo mode. D'Arsonval tuning meter and AFC function. Sensitivitv: $2.4 \mu \mathrm{v}$ for 30 db quieting. H.D.: less than $0.75 \%$. Frequency Response: $20 \cdot 15.000 \mathrm{cps} \pm 1 \mathrm{db}$. Output Impedance: 5000 ohms. Antenna Input: 300 ohms balanced. Danish walnut vinyl case. For $105.130 \mathrm{~V} 50 / 60$ cycles AC. Size: $3 \%$ \% $\mathrm{H} \times 12 \mathrm{Wx} 8^{\prime \prime} \mathrm{D}$. Shpg. wt. 11 lbs. 21 T 2540WX Model 3200 Mit $\$ 5$ Monthly

Net 99.95 Model 3200 WX -same as above but factory wired and tested. 21 T 2541 wx $\$ 7.50$ Monthly
$\left.\begin{array}{l}\text { Factory } \\ \text { Wired }\end{array}\right\} 995$

SIC SYSTEMS FEATURING EICO KITS, GARRARD RECORD CHANGERS AND LAFAYETTE SPEAKERS

DELUXE 70-WATT FM STEREO MUSIC SYSTEM


Complete
System $\mathbf{9 9 9 5}$
No Money Down
You Save
$54^{30}$
From Individual Catalog Prices

## Deluxe Money Saving FM Stereo Music System includes: New Eico

 "Cortina 3570" 70 Watt Silicon Solid State FM Stereo Receiver Kit featuring pre-assembled and pre-aligned RF, IF, and Multiplex sec. tions, and an attractive vinyl cabinet Garrard Model SL 554 -speed Automatic Synchro-Lab Turntable with base, Empire 808 E Elliptical Stereo Cartridge and 2 Lafayette Criterion 150's $10^{\prime \prime} 2$-Way Acoustic Suspension Speaker system with fine furniture oiled walnut finish. Complete system includes all necessary hook-up cable and instruction booklets. Shpg. wt., 70 lbs.21 T 2576 WXM $\$ 15$ Monthly

Quality Money Saving Stereo Music System includes: E1>0 "Cortina $3070^{\prime \prime}$ Silicon Solid State 70 -Watt Stereo Amplifier Kit, Garrard Model 404 -speed Automatic Record Changer with bass, Pickering V15AC-3 Stereo Cartridge, and 2 Lafayette Criterion 50 Two-Way Bookshelf Speaker Systems with handsome olled warnut veneer finish. Includes all necessary hook-up cable and instruction booklets. Shpg. wt., 78 lbs.
21 T 2574WXM $\$ 10$ Monthly
Net 194.95
70-Watt FM Stereo Phono System. Same quality system as above but includes Eico Cortina $\mathbf{3 2 0 0}$ Solid State FM Stereo Tuner Kit.
Shpg. wt., 86 lbs.
21 T 2575 WxM $\$ 15$ Monthly
Net 289.95

Complete
System
So
No Money Down

You Save 4030
from Individual Catalog Prices

# Fisher and Scott Stereo Compact Systems 



NEW! FISHER 125 40-WATT AM/FM STEREO PHONOGRAPH HOME ENTERTAINMENT CENTER

Deluxe, compact AM-FM stereo phono ensemble featuring true hi-fl components! Maln section consists of amplifier with a full set of audio controls, _a front panel headphone jack, AM-FM stereo tuner, and precision 4 -speed automatic turntable. Fully transistorized amplifier provides 40 -watt power. AM-FM Stereo Tuner ampliiner features Field-Effect-Transistors, Integrated Circults, Stereo Beacon, Wide-band AM front-end with automatic gain control, and bulit-in AM Ferrite antenna. Turntable has cue control, anti-skating, automatic shutoff and Pickering magnetic stereo cartridge with diamond stylus. Each speaker system contains an 8 -inch woofer and a 3 -inch tweeter with crossover at 2500 Hz . Oimenslons: Main Unit - $17 \% / 2 W \times 81 / 4 \mathrm{H} \times 15 \%{ }^{\circ} \mathrm{O}$. Speaker Systems each $-10 \times 20 \times 71 / 2^{\prime \prime} 0$. 21 T 335twx $\$ 17$ Monthly. Shpg, wt., 60 ibs. Net 329.95


## NEW! FISHER 120 40-WATT FM STEREO PHONOGRAPH HOME ENTERTAINMENT CENTER

Compact FM stereo phono system . . . provides dazzing hi.fi sound! Features an attractive control unit containing a fully transistorized 40 -watt stereo ampllfier with front panel headphone jack. FM stereo tuner. and 4 -speed automatic turntable. The pair of speaker systems are separate, with each containing an 8-inch woofer and 3 -inch fweeter. FM tuner includes Fisher's exclusive Stereo Beacon, Field-Effect-Transistors, and Integrated Circuits. Tumtable has cueing control, antiskating device, automatic shutoff, plus a Pickering mag. netic stereo cartridge with diamond stylus. For 117 V . 60 Hz AC . Dimensions: Main Unit $171 / 2 \mathrm{~W} \times 81 / 4 \mathrm{H} \times 155 / \mathrm{A}^{\circ} \mathrm{O}$. Each Speaker System - $10 \times 20 \times 71 / 2$ "O. Shpg. wt. 58 lbs . 21 T 3350wx $\$ 15$ Monthly

Net 299.95

## SCOTT Model 2504 40-WATT FM STEREO MUSIC SYSTEM

Featuring Scott S-14 Speaker and Garrard Automatic Turntable

29995


Complete, professional music system! Features a 40 -watt amplifier; professional Garrard automatic turntable, Pickering magnetic stereo cartridge, diamond stylus; stereo FM tuner with FET frontend, stereo indicator light, automatic stereo switching and professional tuning meter. Two separate air suspension speaker systems, each with a $6^{*}$ woofer and $3^{\prime \prime}$ tweeter. Controls and inputs for: Main and Remote speaker switching, dual Bass and Treble, dual loudness, front panel headphone jack, Aux. stereo input, microphone and guitar input, tape monitoring facilities. Frequency Response: $20-$ 20 kHz . FM Sensitivity $2.2 \mu \mathrm{v}$. Size: Control Unit, $161 / 4 \mathrm{Wx} 9 \mathrm{H} / \mathrm{Hx}$ $15 \%, " \mathrm{D}$. Speakers each: $16 \times 10 \times 6 y^{\circ} \mathrm{D}$. For 117 V ., 60 Hz AC.
21 T 5401 wx $\$ 15$ Monthly. Shpg. wt., 56 lbs.
21 I 5480W Plastic Dust Cover for 2504. 2 lbs.

\title{

Portable, AC, and Battery Operated Phonographs

\section*{NEW DELUXE LAFAYETTE

## NEW DELUXE LAFAYETTE S-10C SOLID STATE 4-SPEED MANUAL PHONOGRAPH

## ONLY

## $19^{95}$

- Speaker Front-Mounted for Full. Tone Sound Dispersion
- Instantaneous ON
- Built-in 45 RPM Adapter Disc


## Made In U.S.A.

Plays monaural records of all speeds... 331/3, 45, 162h and 78 RPM... all sizes $12^{* *} 7^{*} 10^{\circ}$. PM type speaker is set in front grille for full-tone sound dispersion. 2 controls-on/off Vol., tone. Manual turntable has foam rubber mat. Tone arm is equlpped with Vaco dual turnover cartridge with 2 synthetic sapphire needles. Attraztive, gold washable pyroxilin coated fabric with black and gold grill eloth. Dim.: $121 / 4^{\prime \prime} \mathrm{L} \times 10^{\circ} \mathrm{D} \times 5^{\prime \prime}$ high. $110-120 \mathrm{~V}$. 60 Hz . AC. UL Listed. 24 T 0269w Shpg. wt., 9 bs.

Ideal phono for the youngster in your family. Plays up to $12^{\prime \prime}$ monaural and stereo records at $162 \mathrm{~h}, 334 \mathrm{~s}, 45$ or 78 RPM. A single lever selects any speed. "Feather-flyht" retractable tone arm is equipped with a single crystal cartridge. Volume control witt on-off switch. Bulit-in 45 RPM record adapter. Fine quality $4^{\prime \prime}$ soeaker. Attractive blue and white leatherette covered case. For $110-123$ Volts. 60 Hz . Size: $12 \mathrm{~W} \times 9300 \times \mathbf{5}^{\prime \prime} \mathrm{H}$. Shpg. Wt., 8 lbs.
24 T 0272W
Net 14.95

## 2-SPEED SOLID-STATE BATTERY/ELECTRIC AM/FM PORTABLE RADIO PHONO <br> 

## $32^{95}$

with batteries. 45 rpm adapter No Money Down

- Solid State Circuitry


A good lookjng, good listening all transistor AC/Battery powered 2-speed AM/FM portable radio/phono. Play it at home, of take it with vou 10 a picnic, on a boat. or wherever you go. Features 14 solid state devices, 4 stage of IF on FM, plus 3 stages of $1^{5}$ on AM. Pulls in AM and FM stations near and far. Built-In territe antenna for AM, telescooing antenna for FM. Ooerates on self-contained batteries or plugs into $117 \mathrm{~V}-60 \mathrm{~Hz} A C$ with self storing $A C$ line cord. large $31 / 2^{"}$ speaker for rich, resonant sound. Color: Brown \& White. Imported. Size $9^{\prime \prime} \times 101 / z^{\prime \prime} \times 3^{\prime \prime}$. ShDg. wt., 7 lbs .
24 T 5704 \$5 monthly
Net 32.95
Extra " $D$ " Cells (4 required)
9975256
Net :3a. . 15

LAFAYETTE SOLID STATE PORTABLE AM RADIO/PHONOGRAPH

Our Best Manual Phono



Phonographs Are Available on Easy Pay Plan-No Money Down
PANASONIC SG-610 SOLID STATE "SWING-WAY" PORTABLE PHONO with FM/AM RADIO $69^{205}$
with 6 "D' Batteries No Money Down

- Operates On Batteries or AC

[^0]- Compact, Lightweight- Travels with You Anywhere
- Operates on 4 "D" batteries or 117 VAC with Optional Adapter
Handsome, compact portable record player with bullt-in AM radio. Perfect for picnics, beaches, or anywhere you go. Plays $331 / 3$ and 45 RPM records. Tone arm features crystal turnover cartridge. Large $4^{\text {e }}$ speaker for fine fidelity. Entlire unit is housed In a 2-tone blue and white high impact plastic case. Includes earphone for private listening. Dim.: $123 / 4=W \times 81 / 4=0 \times 27 / 4$. Less batteries. Imported. Shpg. wt., 5 ibs.
99 T 3529
Net 19.95
99 T 3541 AC Adapter for above Radio/Phono 6 oz Net 4.95 99 T 6255 " $D$ " Battertes for above Radio/Phono, 4 req. Net ea. . 15


# LAFAYETTE'S Finest Portable Stereo Phonographs 

(A) NEW MODEL S-44C SOLH STATE AM/FM/FM STEREO 4-SPEED AUTOMATIC PHONOGRAPH

model sa4c Only $159^{95}$
No Money Down
Diamond Needle
Made in U.S.A.

- 35 Solid-State Devices - 20 Transistors, 15 Diodes
- 12-Watt Solid-State Stereo Amplifier Solid-State AM/FM/FM Stereo Tuner
- New Garrard 1025 4-Speed Automatic Intermix Stereo Changer With Diamond Needie
- Four Speakers. Two 6" Woofers, Two 31/2" Tweeters
- Stereo Tape Out-Input - Stereo Headphone Jack
- Eleganily Styled With Molded Speaker Cabinets

Handsomely designed, deluxe solid-state stereo hi-fi Music Center featuring an all-transistor, dual 12 -watt, stereo amplifier with instant-on performance, $A M / F M / F M$ stereo tuner and new Garrard 10254 -speed intermix record changer. Plays $16,331 / 3,45$, and 78 RPM records. Intermixes all size records of the same speed. Shuts off automatically after last record has been played. Tunes in FM stereo broadcasts-for thrilling full-dimensional realism as well as static-free FM broadcasts and standard AM broadcasts. Features AFC (Automatic Frequency Control) to prevent drift on FM. Each detachable speaker wing contains one $6^{\prime \prime}$ woofer and one $31 / 2^{* \prime}$ tweeter for rich, clean sound reproduction. Also includes a stereo headphone jack for private listening. Attractively styled case with hideaway changer is finished in simulated walnut trim. Speakers are mounted in a beige molded enclosure. Includes stereo turnover cartridge with diamond LP stylus. Size: $21 W \times 141 / 2 \mathrm{Hx} 131 / 2^{N} \mathrm{D}$. For $110-120 \mathrm{VAC}, 60 \mathrm{~Hz}$. UL Listed. Shpg. wt., 38 Ibs.

```
24 T 0270wx \(\$ 8.00\) Monthly
Net 159.95
```

24 T 021745 RPM Spindle for above phonograph
24 Y 0255 Replacement Needle for S44C
(B) NEW DELUXE MODEL T33C SOLID STATE 4-SPEED AUTOMATIC STEREO PHONOGRAPH


- Garrard 4 Speed Automatic Intermix Changer With Diamond LP Needle
- 10 Watt Solid State Stereo Amplifier With 8 Transistors, 2 Diodes, and 2 Silicon Rectifiers
- 4 Speakers: Two $\mathbf{a}^{\prime \prime}$ Heavy Duty woofers - Two $31 / 2^{\prime \prime}$ Tweeter Provides Dazzline Tone
- Detachable Speaker Enclosure For True Stereo Separation
- Stereo Headphone Jack Plus 4 Controls: Loudness, Balance, Bass, Treble

Deluxe, solid state self-contained 4 -speed automatic stereo phonograph in stylish "Swing. Down" design. Equipped with detachable speaker enclosures with built-in, 6 -ft. extension cords for wall-to-wall full dimensional sound realism. Each enclosure contains a heavy-duty $8^{\prime \prime}$ woofer and a $31 / \mathrm{Z}^{\prime \prime}$ tweeter for magnificent hi-fi sound reproduction. Powerful 10 watt solid state stereo amplifier has 12 semiconductor devices and features a stereo headphone jack for private llstening plus 4 controls: Loudness, Balance, Bass, Treble. Quality Garrard 1000 4 -speed automatic record changer plays all record sizes and speeds, " $7^{\prime \prime}, 10^{\prime \prime}$ and $12^{\prime \prime}$ records at $16,331 / 3,45$, and 78 RPM. Intermixes all size records of the same speed. Changer automatically shuts off after last record has been played and is equipped with a stereo turnover cartridge with diamond LP needie. Decorator designed wood cabinet is covered with simulated walnut and black washable vinyl material. Size: $211 / 4 \times 121 / 2 \times 143 / 4^{\prime \prime}$. For $110-$ 120 VAC 60 Hz . Shpg. wt., 35 lbs.
Model T33C Drly 095
Diamond Needle No Money Made in U.S.A. Down

24 T 0274 Wx $\$ 5.00$ Monthly
24 T 0254 Replacement Needle for T33C 24 Y 021745 RPM Spindie for 733 C

Net 99.95 Net 1.89
Net 3.00
(C) MEW MODEL M29 SOLID STATE 4 SPEED AUTOMATIC STEREO PHONOGRAPH WITH TWO DETACHABLE SPEAKER ENCLOSURES


Model M29 Only
Diamond Needle
Made in U.S.A.


- 4 Speed Automatic BSR Mini Record Changer
- 4 Speakers: Two 4" Wide Range Speakers In Each Detachable Speaker Enclosure
- Stereo Headphone Jack For Private Listening
- Solid State Stereo Amplifier With 3 Controls
- Diamond LP Needie

Component styled portable stereo phonograph with detachable wing-type 2 -speaker systems which can be spaced apart to achieve magnificent full dimensional stereo realism. Features stereo headphone jack for private listening. Powerful space-age solid-state circuitry provides instant-on operation-no warm-up time required. BSR mini 4 -speed stereo automatic record changer handles all size records and will intermix $12^{\prime \prime}$ and $10^{\circ}$ records of the same speed. Plays $16,331 / 3,45$, and 78 RPM records. Automatically shuts off after last record has been played. Tone arm is equipped with stereo turnover cartridge with diamond LP needie. Each speaker system contains two $4^{\prime \prime}$ wide range speakers. 3 Controls: Volume Left, Volume Right, and Tone. Beautiful wood case is covered with washable vinyl material. Size: $231 \times 111 / 2 \mathrm{Hx}$ $71 / 4$ "W. Shpg. wt., 20 lbs. For $110-120$ VAC 60 Hz . 24 T 0273 wx \$5.00 Monthly 24 § 025645 RPM Spindle for M29 24 T 0238 Replacement Dual Needle for M29

## (D) NEW "MINI" MODEL MS24B 4.SPEED AUTOMATIC STEREO PHONOGRAPH



Model MS24B Dnly 4995
Diamond Needle Made in U.S.A.

No Money
Down

- Exciting BSR 4-Speed Automatic "Mini" Stereo Changer
- Space Age Solid State Circuitry "Two 4" Wide Range Speakers - Diamond LP Needle Bold modern styling... a truly outstanding performing stereo phono in a sleek cabinet of compact proportions. Beautifully styled with drop-down compartment which folds away for maximum space saving efficiency. Features BSR 4 -speed stereo automatic "Mini changer" with automatic shut-off. Plays all size records at $16,331 / 2,45$ and 78 RPM. Intermixes $12^{\prime \prime}$ and $10^{\prime \prime}$ records of the same speed. Two separate $4^{\prime \prime}$ wide range speakers are acoustically balanced and spaced for true stereophonic full-dimensional sound. Powerful solld-state stereo amplifier provides instant-on operation-no warm up. 3 controls: volume left, volume right, and tone. Equipped with stereo turnover cartridge with diamond LP needle. Attractive, washable bright textured blue covering. For $110 \cdot 120$ VAC, 60 Hz . Measures $271 / 2 \mathrm{Lx} 103 / 4 \mathrm{Hx}$ 61/2"D. Shps. wt., 18 lbs .
24 T 0271wX $\$ 5$ Monthly
Net 49.95
24 T 025645 RPM Spindle for MS24B
Net 1.49
24 T 0238 Replacement Dual Needle for MS24B



## (A) MOOEL S-44C $159^{95}$

B MODEL T33C $99^{95}$

NEW!
(C) MOOEL M29 $59^{95}$
(D) MOOEL MS42B $49^{95}$

# CHOOSE A LAFAYETTE STEREO PHONO SYSTEM FOR SUPERB PERFORMANCE 

## NEW LSC-10 SOLID STATE STEREO MODULAR HI-FI PHONO SYSTEM

B sautiful Oiled Walnut Wood Cabinetry


Including Tinted Plastic Dust-Cover*

## Diamond Needie



## - 10 Watt Solid State Stereo Amplifier <br> - BSR 4-Speed Automatic Stereo Record Changer

Thrill to breathtaking hi-fi sound from our handsome 3-piece mocular hi-fi phono system. Features elegant oiled watnut wood cab-inetry-and a beautiful tinted plastic dust cover which fits over the control section. Advanced designed 10 -watt solid state stereo amplifier ( 5 watts peak per channel) for instant play, cool operation, and longer life. Delivers a big 10 -watts of power. Has 3 con-trols-Volume Left. Volume Right, Continuous Tone (Base/Treble) plus a Stereo Headphone Inout Jack for private listening. BSR 4. speed stereo automatic "Mini-changer" features automatic shutoff after last record has been played. Plays all size records-7" $10^{\prime \prime}, 12^{\prime \prime}$ and all speeds-162/3, 331/3, 45 and 78 RPM. Intermixes

## - Two 4" Matching Speaker Systems

- Stereo Headphone Jack For Private Listening
$12^{\prime \prime}$ and $10^{\prime \prime}$ records of the same speed. Tone arm is equipped with a stereo turnover cartridge with diamond LP needle. Each matched speaker system contains a powerful $4^{\prime \prime}$ speaker and includes a 6-ft. cable so that each system can be separated up to 12 ft . for outstanding stereo separation. Size-Amplifler/Changer Control Sec-tion- $171 / 2^{\prime \prime} L \times 101 / 2^{\prime \prime} \mathrm{Ox} 7^{\prime \prime} \mathrm{H}$ (with tinted plastic dust cover), Speaker systems, ea. $8^{\prime \prime}\left(\times 6^{\prime \prime} D \times 10^{12} 2^{\prime \prime} \mathrm{H}\right.$. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Shpg. wt., 23 lbs. *(Not Illustrated.)
24 T 0268wX $\$ 5$ Monthly
Net 69.95
24 T 0238 Replacement needle for LSC-10


## DELUXE LSC-40 SOLID STATE STEREO MODULAR HI-FI PHONO SYSTEM



2 Rich Sounding 2 Way Speaker Systems
Each Containing a $5 \times 7^{\prime \prime}$ Woofer and a $21 / 2^{\prime \prime}$ Tweeter

- 4 Speed Automatic Lafayette Stereo Record Changer with Diamond LP Needle
- Powerful 20 Watt Stereo Amplifier
- Stereo Headphone Jack For Private Listening
- Stereo Tape Outputs-Stereo Tuner Input

> A true 20 -watt solld state 3 piece stereo hi-fi phono outfit with speaker systems that can be widely spaced for the utmost stereo effect. Features magnificent sound and striking appearance. Has tape outputs so that any program or record being reproduced through the amplifier can be recorded thru the Aux/Radio inputs on a stereo tape recorder. Also includes main and remote speaker outputs, stereo headphone jack, and tuner inputs for use with monophonic FM or AM tuners, and FM stereo tuners. Powerful solid state stereo amplifier has 4 controls (balance, volume. bass, treble) as well as 4 Selector switches (on/off. Stereo / Mono / Tuner, remote / main speakers). Lafayette 4 speed automatic stereo changer plays $7^{\prime \prime}, 10^{\prime \prime}$, and $12^{\prime \prime}$ records, and is elegantly designed with gold plated overarm, heavy, $10^{\prime \prime}$ turntable platter plus a gold inlay on the tone arm. Features: dial your own intermix, automatic shut off. stereo turnover cartridge with diamond LP needle, 2 rich sounding shelf size lafayette Minuette/II speaker systems. Each contains $5 \times 7^{\prime \prime}$ wooter. a $21 / 2^{\prime \prime}$ tweeter, brilliance level control and has a full frequency range of 80 to $19,500 \mathrm{~Hz}$. Speaker Dim.: $6^{\prime \prime} \mathrm{W} \times 15 \%{ }^{\prime \prime} \mathrm{H} \times 91 /{ }^{\prime \prime}{ }^{\prime \prime}$. Amplifier/ Changer Dim.: $193 / 6^{\prime \prime} \mathrm{W} \times 141 / 2^{\prime \prime} \mathrm{O} \times 33 / 4^{\prime \prime} \mathrm{H}$. $\left(71 / 2^{\prime \prime}\right.$ overall height to top of spindle). Superbly crafted oil walnut wood cabinetry. For 110 V 60 Hz AC . Shpg. wt. 48 Ibs.
> 24 TO25iwxM $\$ 5$ monthly
> Net 99.95

ACCESSORIES FOR LSC-4O

| Stock No. | Description | Shpg. wt. | Net |
| :--- | :--- | :--- | ---: | ---: |
| 24 T 2301W | Plastic Dust Cover | 2 lbs | $\mathbf{7 . 9 5}$ |
| 21 T 0202 | 45 RPM Spindle | 302. | .99 |
| 24 T 0229 | Replacement Needle | 102. | 1.89 |

# DELUXE LAFAYETTE LRC-60 SOLID-STATE COMPACT AM-FM STEREO RECEIVER/TURNTABLE CONTROL CENTER FEATURING 4 REVOLUTIONARY IC'S and FET'S 



- Powerful 60 Watt AM-FM Stereo Receiver
- Famous BSR McDonald 500 Stereo Automatic Turntable
An exciting concept in the design and styling of Hi-Fidelity components. The LRC-60 consists of a 60 watt AM/FM stereo receiver with FET front-end and 4 revolutionary IC's, plus the famous BSR McDonald 500 4-speed automatic stereo turntable with a Pickering V15AC-3 dustamatic stereo cartridge, all mounted in a superbly crafted and styled oiled walnut wood cabinet. You get a stunning blend of beauty and performance from a truly space saving compact control unit. With any of the superb Lafayette Speaker Systems listed you have a magnificlent component Hi-Fi system.

The receiver section uses an FET, (Field effect transistor) FM tuner, and revolutionary new Integrated Circuits, (IC'S). An IC is a complete circuit in miniature, in which alt components: transistors, diodes, resistors, etc. are etched into a silicon wafer. The ic provides significantly better front-end performance and greater sensitivity enabling you to hear more stations with less nolse and interference.

- Pickering V15/AC-3 Dust-A-Matic Stereo Cartridge With Diamond Needle
- Superbly Crafted Oil Walnut Wood Cabinetry

Deluxe McDonald 500 turntable features a low mass tubular tone arm, micrometer stylus pressure adjustment, dynamic anti-skate control, and a cueing and pause control. Plays 7, 10 , or $12^{\prime \prime}$ records at $16^{2} / 3,331 / 3,45$, and 78 rpm . Amplifier delivers wide-range response of $20 \cdot 20,000 \mathrm{~Hz} \pm 1 \mathrm{db}$, plus full 60 watts IHF power. Impedence: $8-16$ ohms. FM Sensitivity: $1.8 \mu \mathrm{~V}$ IHF: 11 -audio contrcls, plus precision D'Arsonval tuning meter, automatic FM stereo/mono switching, stereo FM indicator light, stereo headphone jack, tape recorder jacks, and precislon vernler dial drive for accurate, effortless tuning. The rich oiled walnut cabinetry with slanted, brushed aluminum front panel and controls will harmonize with any home decor. Control Center: $16 \%$ W $x$ $7 \mathrm{H} \times 153 / \mathrm{m}^{* \mathrm{D}}$. Imported, Shpg, wi, 42 lbs.
99 T 0189WX $\$ 11$ Monthiy
Net 229.95
Beautiful, Heavy Guage, Tinted Plexiglas Dust Cover
Size: $153 / 8 \times 133 / 8 \times 41 / 8{ }^{\prime \prime}$. Shpg. wt., 1 lb .
24 T 0905W

DELUXE COMPONENT HI-FI SYSTEMS FEATURING THE LRC-60 AND CRITERION SPEAKERS

|  |  |  |
| :---: | :---: | :---: |
| LRC-60 PLUS 2 CRITERION 50'S | LRC-60 PLUS 2 CRITERION 150'S | LRC. 60 PLUS 2 CRITERION 200A'S |
| ONLY 96085 NO MONEY DOWN | ONLY $304{ }^{85}$ NO MONEY DOWN | ONLY 29985 NO MONEY 339 DOWN |
| SAVE 20.00 FROM INDIVIOUAL CATALOG PRICES | SAVE 25.00 FROM <br> INDIVIDUAL CATALOG PRICES | SAVE 30.00 FROM INDIVIDUAL CATALOG PRICES |
| Deluxe Hi -FI System featuring LRC-60 and 2 Lafayette Criterion 50 Speaker | Outstanding Hi-FI System featuring LRC. 60 and 2 Lafayette Criterion 150 Speaker | Superb Hi-Fi System featuring LRC-60 and 2 Lafayette Criterion 200A Speaker Systems. |
| Systems. See page 87 for complete | Systems. See page 89 for complete de. | See page 90 for complete description of |
| description of the Criterion 50 Speaker |  | Criterion 200A Speaker System. Shpg. wt., |
| Systems. Shpg. wt., 96 lbs . <br> 99 T 9937 WXM <br> Net 269.85 | Suspension Speaker System, Wt., 76 lbs . 99 T 9934WXM <br> Net 304.85 | 112 lbs. <br> 99 T 9935WXM <br> Net 339.85 |




Last year we made history with our first complete compact Stereo Music Center-NOW, AGAIN HISTORY WILL BE MADE with our newest achievement, the Deluxe Lafayette Model RK-570, the most complete hi-fi integrated Stereo Music System we have ever designed for home use, System includes virtually every music source! Play monaural and stereo records on the automatic Mini changer, listen to stereo and monaural FM broadcasts through the FM stereo receiver; with the Cassette recorder play stereo or monaural prerecorded tapes; record live; record your records while they play on the mini changer, or directly record FM stereo and mono broadcasts while you listen-THERE IS NOTHING ELSE TO BUY (but optional microphones)-because you also get two deluxe matching 2-way speaker systems each containing a high compliance $5^{\prime \prime}$ woofer and wide dispersion $3^{\prime \prime}$ tweeter which provide the listener with superb full range hi-fidelity sound reproduction. Outstanding features are as follows: 12-watt (IHF) Lafayette solid-state FM stereo receiver with powerful 28 -transistor, 1 FET , and 20 -diode solld state circultry, FET FM stereo tuner front-end for superb sensitivity and selectivity; stereo indicator light; precision sliderule logging scale; stereo headphone jack; separate balance, volume, treble, and bass controls, direct recording from FM stereo tuner or stereo record changer to Cassette Recorder, two Aux, input jacks and two external speaker output jacks, compact Lafayette Cassette Stereo Recorder with six push-

## NEW LAFAYETTE RK-570 SOLID-STATE STEREO INTEGRATED HI-FI MUSIC SYSTEM

## Complete stereo music system consists of:

- 12 watt Lafayette FM Stereo Receiver
- Lafayette Cassette Stereo Tape Recorder
- 4-Speed Mini-Automatic Stereo Record Changer
- Handsomely Styled Oiled Walnut Wood Cabinet
- Two Detached Matching Oiled Walnut Wood Bookshelf-type Speaker Systems
button controls (Record, Rewind, Stop, Play, Fast Forward, and Pause for editing); Tape Speed $17 / 8 ; 2$ microphone input jacks with Stereo/Mono Input Selector Switch; Record/Playback VU meter; 4 -speed stereo automatic mini-changer plays all size records. Intermixes $12^{\prime \prime}$ and $10^{\prime \prime}$ records of the same speed. Its professlonal tubular tone arm is equipped with a turnover stereo cartride with diamond LP needle. Each speaker system has an outstanding frequency response of $60-18,000 \mathrm{~Hz}$, peak power handling capacity: up to 16 watts. The sleek handsomely styled walnut decorator cabinet with stunning black and sliver trim will enhance the decor of any room in your home. Dimensions of the RK-570: Contral Center 203/4W x $141 / 2 \mathrm{D} \times 33 / \mathrm{m}{ }^{\prime \prime} \mathrm{H}$ (overall height to top of spindle $7^{\prime \prime}$ ). Each speaker system $12 \times 7 \times 8^{\prime \prime}$. Includes two 6 ft . connecting speaker cables. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$, Shpg. wt., 48 lbs . 99 T 9939 WXM $\$ 12.50$ Monthly .................................................. 249.95
Optional Tinted Plastic Oust Cover for RK-570, Shpg. wt., 1 lb. 24 T 0906W

Net 7.95
Dynamic Microphone for RK-570.
99 T 4630 ......................................................................................... Net
Net 5.95
99 T 1540
Net 1.35
Extra 60 Minute Tape Cassette for RK-570.
SPECIFICATIONS
Channel Separation: - $55 \mathrm{db}_{\text {; }}$ Total H0: (@ 5 Watts) $.9 \%$; Hum and Noise: - 50 db ; Power Bandwith: $20.20,000 \mathrm{~Hz}$, Speaker Output Impedance: $4-16$ Ohms.
TAPE CASSETTE RECORDER SECTION: Frequency Response: $\mathbf{5 0 - 1 2 , 0 0 0}$ $\mathrm{Hz}_{\text {; }}$ Channel Separation: 35 db ; Signal-to-Noise Ratio: Better than 45 db ; Bias Frequency: 96 KHz ; Sensitivity: Mlcrophone Input 0.2 mV @ 200 Ohms; Wow and Flutter: (RMS) Less than $0.3 \%$.

## TUNER SECTION: FM Tuning Range: $88-108 \mathrm{MHz}$; Sensitivity: (IHF)

 $2.5 \mu \mathrm{~V}$; Signal-to-Noise Ratio: 60 db @ $100 \%$ Modulation; Antenna Input: $300-0 \mathrm{hm}$ balanced line; Image Rejection: -50 db; Capture Ratio: $2.5 \mathrm{db}_{\mathrm{i}}$ Harmonic Distortion: $.8 \%$; MPX (Stereo) Channel Separation: $30 \mathrm{db} @ 400 \mathrm{~Hz}$.AMPLIFIER SECTION: Frequency Response: $20-30,000 \mathrm{~Hz} \pm 2 \mathrm{db}$; Power output: (IHF) 12 Watts ( 6 Watts per channel) @ 8 Ohms;


## DELUXE RK-580 SOLID STATE COMPACT STEREO MUSIC CENTER

One of the most exciting developments in home entertainment hi.fi components from Lafayette-a complete compact stereo control center of professional standards con taining all the facilities for virtually every type of major music source. The Lafayette RK-580 includes: 50 watt, 40 -slilicon transis. tor FM Stereo Receiver; famous BSR Mc. Donald 4 -speed Automatic Stereo Turntable equipped with a Plckering V15/AC-3 Dustamatic (B) stereo cartridge; and a deluxe Lafayette PRO-540 Cassette stereo tape recorder. All components are housed in a beautiful walnut wood base. The highly sensitive FM stereo receiver has " 2 -IC's" and an FET in the tuner front-end section for improved rejection of unwanted signals, and greater sensitivity. Stereo FM Tuner multiplex circuit automatically locks in and sig. nals FM stereo broadcasts. BSR McDonald 500, 4 -speed turntable teatures a low mass tubular tone arm; micrometer stylus pressure adjustment; variable, adjustable, dynamic antl-skate control; automatic or manual selection of $7^{\prime \prime}, 10^{\prime \prime}$, or $12 "^{\prime \prime}$ records at
$162 / 3,33 \not / 3,45$, and 78 rpm . Deluxe Lafayette PRO-540 Cassette Recorder requires no tape threading: or reef turnover, just insert a cassette cartridge and play or record up to 120 minutes of 4 -track stereo or mono music; records "Live" with microphones, or direct from the FM receiver or turntable. Tilted ebony frunt panel contains stereo headphone output rack; stereo indicator light; and D'Arsonval tuning meter. For $110-120 \mathrm{~V}$. 60 cycles $A \subset$. Size: $261 / \times 101 / 3 \times 181 /{ }^{\circ} \mathrm{D}$. Imported. Shpg. wt., 50 lbs. 99 T $1555 \mathrm{~W} \times 15$ Monthly

Net 329.95
ACCESSORIES FOR RK-580

$$
\text { Dynamic Mike. Shpg. wt., } 1 \mathrm{lb} \text {. }
$$

$\qquad$ 60 Minute Tape Cartridge. Shpg. wt., 3 02. 99 T 1540 Net 1.35 90 Minute Tape Cartridge. Shpg, wt., 3 oz. 28 T 0120 Net 2.20 Beautiful, heavy-gauge, tinted plexiglass Dust Cover. (For record changer section only) Size: $15 \%$. $\times 133 / 8 \times 4 \mathrm{yb}$. Shpg. wt., 1 lb . 24 T'0905W

## anx <br> $329^{95}$

NO MONEY DOWN

## with 60 minute cassetle tape,

and two $6^{\prime}$ connecting cables
Featwing
150-Watt Solid State FM Stereo Receiver.
2 LAFAYETTE Cassette Stereo Tape Recorder.

3 BSR McDonald 500 4-Speed Automatic Stereo Turntab!e with Pickering Magnetic Cartridge.
4 Elegantly Styled Oiled Walnut Base Housing All Components.

Circuitry: 40-Transistors, 26-Diodes (including 1-FET and 2-IC's). Tuner Section. Tuning Range: $88-108 \mathrm{MHz}$. IHFM Sensitivity: $3 \mu \mathrm{v}$. Capture Ratio: 3.5 db . HD: $0.5 \%$. S/N Ratio: - 60 db at $100 \%$ mod. Amplifier Section. Power Output: 50 -watts total IHF; 25 -watts per channel IHF at 8 -ohms. Frequency Response: $20-20,000 \mathrm{~Hz}$. Power Bandwidth: $30-20,000 \mathrm{~Hz}$. Output Impedance: $4-16$ ohms, Cassette Section. Frequency Response: $50-12,000 \mathrm{~Hz}$. S/N Ratio: Better than 45 db . Overall Distortion: Less than $1.5 \%$ at -4 VU . Wow \& Flutter: Less than $0.25 \% \mathrm{rms}$.

## Dazzling Stereo System Featuring RK-580 Music Center



# ONLY $369^{85}$ 

 YOU SAVE 20.00 from individual component pricesNO MONEY DOWN

Deluxe system features the revolutionary Lafayette RK-580 stereo music center and 2-Lafayette Criterion 50 speaker systems (see page 87 for complete specifications oi Criterion 50 speaker system.) Shpg. wt., 106 ibs. $\$ 17$ Monthly.
99 T $9936 W X M$ wt., 106 ibs. $\$ 17$ Monthly.
99 T $9936 W X M$

# Deluxe LAFAYETTE RK-710 Professionally Engineered 3-Speed Solid State Tape Recorrder 

# NEW! LAFAYETTE RK-810A Superb Quality Solid State <br> <br> \section*{Portable Tape Recorder} 

 <br> <br> \section*{Portable Tape Recorder}}

## NEW

IMPROVED FEATURES

- Tape Spill Proof
- Reel Hub with Rubber Pads
- Tape Lifters
- 600 ohm Impedance Mike
- New Wide Range 3" x 5" Speaker


3-Speeds: $17 / 8,33 / 4$ and $71 / 2$ IPS

- Zecord/Playback VU Level Meter


OUTSTANDING FEATURES
1 Heads-Seporate record/Playbock. Erase
Built-in 5" $\times 3^{\prime \prime}$ Spooker 5-Position Selector Contral Pouse Position for Instant Edifing Record/Playbock VU Level Meter Master Volume and Tone Contral Channel Selector Button Recard Safety Bultion Stereo Tape Head Output Jacks 2 Inputs (Mike \& Aux) Externol Speaker Jock
123 Digit Counter with Reset Button
13 Push-Pull Speed Selector

- 5.Position Selector Control for Rewind, Stop, Run, Fast Forward and Pause for Instant Editing
- 2.Heads: $1 / 4$ Track Lamination. Type Record/Playback, 1/4 Track Double Gapped High Efficiency Erase
- 3-Digit Tape Counter with Reset Button


## FEATURING 4 -Track Stereo Playback*

FEATURING 4 -Track Monaural Record/Playback
New improved version of our best selling Model RK.810. Engineered to provide virtually every tape recording feature. The all-transistor Model 810A now is tape spill proof. Includes tape lifters, reel hub with rubber pads, 600 -ohm impedance mike for better recording quality and a powerful $3^{\prime \prime} \times 5^{\prime \prime}$ speaker for superb voice and music reproduction, Easy-to-operate, the recorder features: positive acting 5 -position rotor control which includes a "pause" setting to stop tape instantly for editing; push-button safety record switch to insure against accidental tape erasure; speed selector and pushbutton channel selector. in addition to 4 -track mono record/ payback, the RK.810A plays back stereo tapes when used with a second channel external amplifier containing a tape head input. Takes $7^{\prime \prime}$ reels. Housed in an attractive textured solid vinyl case with built-in accessory compartment and carrying handle. For $110-120 \mathrm{~V}$., 60 Hz AC . Imported. Shpg. wt., 18 Ibs . 93 T $1565 \mathrm{wX} \$ 5$ Monthly $\qquad$ Net 89.95 T" Reel of $1800^{\prime}$ Lafayette Base Recording Tape. Shpg. wt., $11 / 4$ LDS. 28 T 0106 Net 2.49

## SPECIFICATIONS

Response: $40 \cdot 15,000 \mathrm{~Hz}$ at $71 / 2$ ips, $40-10,000 \mathrm{~Hz}$ at $33 / 2 \mathrm{ips}$. Wow and Flutter: Less than 0.25 rms at $71 / 2$ ips; less than $0.35 \%$ at $33 / 4$ ips. Signal to Noise Ratio: 42 db . or better. Bias and Erase: 60 kHz . Crosstalk: 55 db or better. Sensitivity: Mike, 0.6 mv ; Aux, 200 mv ; External speaker, 16 ohms. Motor: 4 -pole. Power Output: 2.5 watts. Dimensions: $115 / 8 \mathrm{~W} \times 121 / 4 \mathrm{H} \times 62 / 3$ " 0 . Stereo headphone output jacks.


# New! RK-825 Top Performing 4-Track Solid State Stereophonic Portable Hi-Fi Recorder 

OUTSTANDING FEATURES



> 1/4-Track LaminationType Record/Playback Stereo Head


1/4-Track Double-Gapped High Efficiency
Erase Head

Illuminated VU Meter Indicates Record/ Play-back level for Top Stereo Sound Results

Feature-Packed-"Iow-priced" stereo hi-fidellty portable tape recorder with professional fea. tures. Built for portabllity and ease of operation. Solid-state circuitry permits instant play or record. Features three speeds, $17 / 8,31 / 4$ and $71 / 2$ ips plus aluminum die-cast tape transport chassis with 4 -pole induction motor. Uses quality laminated 4 -track record/play head with double gap erase head for thrilling stereo and mono. Records sound-with-sound, sound-an-sound, for voice language training and sound effects. Stereo headphone monitoring facilities. 2 -microphone/ auxiliary inputs and 2-extension speaker outputs. Easy-to-operate pushbutton controt for VU meter, "Pause" for editing and cuing, safetyinterlock to prevent accidental tape erasure and Mike/Aux input selector. Takes $7{ }^{\prime \prime}$ reels. Housed in a handsome sturdy wood cabinet with attractive black leatherette cover. Built-in accessory compartment and carrying handle. For $110-120 \mathrm{~V}$., 60 Hz AC . Imported. Shpg. Wt., 22 Jbs. 99 T 1568Wx $\$ 7.50$ Monthly
, 22 lo
Net 139.95 $7^{\prime \prime}$ reel of $1800^{\prime}$ Mylar Base Recording Tape. Shpg. Wt., $11 / 4$ lbs. 28 T 0106 $\qquad$ Net 2.49

Vertical or
Horizontal Operation


## NO MONEY DOWN

4-Track Stereo and Monaural Record/Playback

- 3 Tape Speeds-1 $1 / 6,33 / 4$ and $71 / 2$ IPS
Sound-with-Sound
- Stereo Headphone Monitoring
- Separate Tone and Volume Controls for Each Channel
- 3-Digit Tape Counter with Reset Button


## SPECIFICATIONS

Frequency Response: $\pm 3 \mathrm{db}, 40 \cdot 15,000 \mathrm{~Hz}$ at $71 / 2$ ips; $\pm 3 \mathrm{db}, 40$ $10,000 \mathrm{~Hz}$ at $3 \frac{1}{4}$ ips Wow and Flutter; under $0.23 \% \mathrm{rms}$ at $7 \frac{1}{2} \mathrm{ips}$; under $0.35 \%$ at 33 ips. Signal-to-Noise: Better than 46 db . Bias \& Erase Frequency: 96 kHz . Cross Talk: Better than 55 db . Power Output: 5 -watts maximum. Input Sensitivity: Mike, 0.5 mV . for 0 VU, 600 ohms; Aux., 100 mv . Monitor Output: 16 -ohm speaker or low impedance stereo headphones. Solid-State Circuitry: 10 transistors, 4 diodes. Dimensions: $12 \mathrm{~W} \times 12 \mathrm{H} \times 71 / 4$ "D.

NEW IMPROVED FEATURES:Tape Spill-ProofTape LiftersSolid State Silicon Modular Circuitry

- Independent Power Switch
- Automatic Equalization For 3-Speeds
- 2-Mic., and 4-Aux. Inputs
- Two 600 Ohm Impedance Dynamic Mikes For Quality Recordings
- Reel Hub With Rubber-Pads


NEW! RK-835 Quality
4-Track Solid State Stereophonic Pushbutton Recorder


- 4.Track Stereo and Monaural Record/ Playback
- 8-Watts Output Power
- Sound-with-Sound
- Sound-on Sound
- Automatic Shut-off
- 3 Tape Speeds: $71 / 2,31 / 4$ and $1 \%$ IPS
- Stereo Headphone Monitoring Faclitiles
- Direct Record from Record Player with Magnetic Pickup
- 3 Digit Tape Counter with Pushbutton Reset
- 2 Full Range $5^{\text {- }}$ Speakers

Designed to satisfy even the most critical music listeners. Delivers magnificent stereo performance. Can be operated either vertically or horizontally. Records and plays back stereo and monophonic tapes at thres tape speeds; $71 / 2$, $33 / 6$ and $17 / 8 \mathrm{ips}$, plus direct record/playback from a record changer or turntable with mag. netic phono cartridge. Als, features sound-onsound, sound-with-sound; mont panel jack for stereo headphone monitoring. Aluminum die-cast
tape transport chassis with 4 -pole induction motor for smooth tape nperation. Automatic shut-off at end of tape; automatic equalization for three tape speeds; single tape selector for three speeds. Input selector button for mic., and aux/magnetic cartridge. Saparate volume control for both channels; master tone control for both channels. Hi -fi sound is provided by 2 -full. range built.in, $5^{\prime \prime}$ speakes. Takes up to $7^{\prime \prime}$ reels. In black leatherette covered wood case with silver metal trim. Size: $153 / 4 \mathrm{~W} \times 14 \mathrm{H} \times 7 \%$ "D. For $105-125 \mathrm{~V}$., 60 Hz AC. Imported. Shpg. wt., 27 lbs.
99 T 1569wX $\$ 9$ Monthly $\qquad$ Net 179.95 7" reel of 1800' Lafayette wylar Base Recording Tape. Shpg. wt., $11 / 4$ lbs. 28 T 0106 $\qquad$ Net 2.49 SPECIFICATIONS Frequency Response: $\pm 3 \mathrm{db}, 30 \cdot 18,000 \mathrm{~Hz}$ at $71 / 2 \mathrm{ips}: 40 \cdot 12,000 \mathrm{~Hz}$ at $33 / 4 \mathrm{ips}$. Wow and Flutter: Less than $0.18 \%$ rms at $\mathrm{T}^{1 / 2}$ ips. Signal-to. Noise: better than 50 db . Bias \& Erase Frequency: 105 kHz . Crosstalk: better than 60 db . Equalization: NAB Standard. Power Output: 8 watts maximum. Input Sensitivity: Mike, 0.15 mV . for $0 \mathrm{VU}, 600$ Ohms; Magnetic Phono: 0.7 mV ; Aux., Inputs: (low) 100 mV ., (high) 500 mV . Outputs: External Amp: iv., to 2.5 V variable. Headphone and Speaker Impedance: 8 Ohms. Solid-State Circuitry: 12-transistors, 4-Diodes.
Get The Tape Recorder You Want Nowl No Money Down


OUTSTANDING FEATURES
1/4.Track Lamination-type Record/Playback Stereo Head

1/4-Track Double-Gapped High Efficiency Erase Head

Splli-Proof, single
Tape Function
Selector knob for
5-modes of Tape
Transport. Record,
Stop. Run, Fast
Forward, and Pause for Instant Editing

Two Large Improved Studio-Type Record/ Playback VU Level Meters with Pilot Lights and Record Mode Indicator Lights
2 Record Safety Buttons for Left and Right Channels Prevents Accidental Erasures Channel

Lafayette Cat. No. 690


# New RK-845 DeLuxe Performing 4-Track Solid State Stereo Pushbutton Recorder 

- 4-Trock Stereo ond Monourol Record/ Ployback
- All-Tronsistor Stereo Circuitry with Powerful 12-Wotts Output
- Sound-on-Sound
- Sound-with-Sound
- Sound Monitoring
- 3 Tope Speeds: $7^{1 / 2}, 3^{3 / 4}$ ond 1/\% IPS
- Automotic Shut-Off
- Stereo Heodphone Monitoring Focilities
- 5-Pushbution Controls Plus 5-Position Selector Knob
- Direcl Record/Ploybock from Record Ployer with Mognetic Pickup

Designed to please the most discriminating listener and yet just moderately priced. Impressively styled with phenomonal performance and superb englneering. Records and playsback stereo and monophonic tapes at three speeds, 71/2, 31/4 and 17/6 ips. Features sound-on-sound and sound-with-sound plus direct stereo disc-to-tape copying through the special magnetic phono inputs. Brilliantly records directly from FM stereo tuners. Automatic shut-off at end of tape. Spill-proof single tape function selecetor knob for 5 -modes of tape transport including pause, instant reset 4 -digital tape counter for precise editing, cuing and tape indexing. Also has pushbutton monitor speaker switches, automatic equalization for 3 -speeds, and two full range $5 \times 7^{\prime \prime}$ speakers for magnificent sound reproduction. Takes up to $7^{\prime \prime}$ reels. Housed in beautiful black leatherette covered wood case with silver metal trim and die-cast handle. May be placed horizontally or vertically. Size: $153 / 4 \mathrm{~W} \times 14 \mathrm{H} \times 7 \% \mathrm{c}^{*} \mathrm{D}$. For 105-125V,, 60 Hz AC. Imported. Shpg. wt., 29 bs . 99 T 1570 WX $\$ 11.50$ Monthly .................... 229.95
$7^{\circ}$ reel of $1800^{\circ}$ Lafayette Mylar Base Recording Tape. 28 T 0106 Shpg. wt., $11 / 4 \mathrm{lbs}$.

$$
\begin{aligned}
& \text { Mylar Base Recording Tape. } \\
& \text { s. } \\
& \text { Net } 2.49
\end{aligned}
$$

$229^{95}$


Frequency Response: $\pm 3 \mathrm{db} 40-18,000 \mathrm{~Hz}$ at $71 / 2$ ips; $40-12,000 \mathrm{~Hz}$ at $33 / 4$ ips. Wow and Flutter: Less than $0.15 \% \mathrm{rms}$ at $7 \frac{1}{2}$ ips. Signal-to-Noise Ratio: 50 rb or better. Bias Erase Frequency: $105 \mathrm{kHz} \pm \mathrm{kHz}$. Cross Talk: Better than 60 db . Equalization: NAB standard. Sensitivity and Impedance: Inputs-microphone, 0.15 mV for $0 \mathrm{VU}, 600$ ohms; Auxiliary Low, 100 mV for $0 \mathrm{VU}, 150 \mathrm{~K}$ ohms; Auxiliary (high), 500 mV for $0 \mathrm{VU}, 700 \mathrm{~K}$ ohms. Outputs-External Amplifier, iv to 2.5 V variable, 5 K ohms; External Speaker, 8 ohms. Power Output: 6 watts. Speakers: $2.5 \times 7^{\prime \prime}$ dynamic Headphone, 10 K ohms. Size: $153 / 4 \times 14 \times 7 \%{ }^{\prime \prime}$.


INSTANTANEOUS AUTOMATIC OR MANUAL REVERSING IN RECORD OR PLAYBACK MODE

## ONLY <br>  <br> NO MONEY DOWN

- Dual Capstan Drive with Dual Drive Motors
- Sound on Sound, Sound with Sound, and Sound Monitoring
- Bi-Directional Recording and Playback
- 4.Track Stereophonic or Mono Record/Playback
- Solid State Amplifier Circuitry-12 Watts Music Power
- 4-Heads -3-Speeds $17 / 1,3^{3 / 4}, 7^{1 / 2}$ ips
- Two Sensory Switches for Automatic Tape Reversing System

RK-960 "COMPUTOR-MATIC" Reversing System Works on 1-Manual and 3-Automatic Reversing Positions In Either Record or Playback Mode.

reverse positions

1) MANUAL - Same as any tape recorder, but permits manual reverse at any point by depressing a button. Sensing metallic foll is disregarded.
2) Automatic 1-Tape moves in one direction and stops at end of tape where sensing metallic foll is located.
3) AUTOMATIC 2 -Single Reverse-Tape playing or recording from either left or right reel feeds to opposite take-up reel, reverses itself at the end of the tape where metallic sensing foil is located and then feeds back to starting reel and automatically stops.
4) Automatic 3-Continuous Reverse-Tape continues changing (reversing) its direction at each end of the tape where the metallic sensing foil is located.

Our most versatile pracision engineered stereophonic tape recorder... designed to give the highest standards of performance and dependability. The Model 960 features "Full Automatic Reversing". Makes pıofessional quallty recordings from AM, FM, FM Stereo broadcasts, phonograph (direct from magnetic or ceramic P,U, cartridge). With microphones you can record "live" any program material you desire, Records and plays 4-track stereo or mono at $71 / 2,33 / 4$ and $17 / 8$ ips. Two self-contained $5 \times 7^{\prime \prime}$ wide. range hi-fi speakers provide optimum stereo separation. Two 4 -pole induction capstan drive motors assure ultra-smooth, quiet drive. Feathertouch pushbutton operated solenoids control all
tape motion modes. Also has instant reset digital tape counter; 2 -studio type VU meters; stereo headphone jack. 6-inputs: 2-microphone/Magnetic P.U., 2-auxiliary, microphone and Auxillary/ Magnetic P.U. selector button. 4-outputs: 2 . extension speaker: 2-external outputs, RIAA phono curve equalization. Housed in a handsome black leatherette covered wood cabinet with silver metal trim, $22 \times 151 / 2 \times 81 / 4=\mathrm{D}$, Imported. Shpg, wt., 44 lbs.
99 I 1548 Wx $\$ 15$ Monthly ___ Net 299.95 99 T 4588 Optional Dynamic Mike ...... Net 14.95 $7^{\prime \prime}$ reel of 1800 ft . Mylar Base Recording Tape with reversing sensing folls.
28 T0118 $\qquad$ Net 2.69

Solld-State Circultry: 22 transistors, 32 di- 500 db or better, Harmonic Distortion: Less odes. Record/Play Frequency Response: 30 . than $1.5 \%$. 3 ias/Erase Freq.: 96 kc . Cross$22,000 \mathrm{~Hz} \pm 3 \mathrm{db}$ at $71 / 2 \mathrm{ips} ; 40-16,000 \mathrm{~Hz}$ $\pm 3 \mathrm{db}$ at 33 l Ips. Wow and Flutter: Less than $0.25 \%$ rms at $37 / 4 \mathrm{ips}, \mathrm{S} / \mathrm{N}$ Ratio:

Output Imped.: Ext. spkr., 8-ohms; Head phones, 8 -ohms. Heads: Two $1 / 4$-track lamination type stereo record/playback; two 1/4-track double gapped high efficiency erase heads. For $110-120 \mathrm{~V}, 60 \mathrm{~Hz}, \mathrm{AC}$.

## SRLAFAYETTE New Improved 1969 Model

- Deluxe Oiled Walnut Finish Veneer Case - Tape Spill-Proof - Tape Lifters
- Reel Hubs with Rubber Pads
- Automatic Equalization For 3-Speeds Inputs
- 2-Variable Ext. Amp. Output Jacks
- Silicon Solid State Modular Circuitry
- Stereo Headphone Monitoring Facilities
- Pushbutton Power Switch


## ${ }^{4}$ <br> Optional oynamic 95 Mikes ea.

## New RK-870 Solid State 4-Track Stereo Record Playback Tape Deck

## 11995 No Money Down

## Complete with

 4 connecting cables, 2 rubber reel caps, 7 "take-up reet.- 4-Track Stereo and Mono Record/Playback
- Separate Record/Playback and Erase Heads
- 3-Speeds: 71/2, 331/4, 11/6 IPS
- Single Tape Speed Selector for 3-Speeds
- Built-in Advanced Silicon Solid-State Modular Record/Playback Stereo Preamplifiers
- Records 4-Track Stereo or Mono from FM, AM, FM Stereo Radio or Phono Sources; Live from Mikes
- Sound-with-Sound, Sound-on-Sound
- Aluminum Die-Cast Tape Transport Chassis with 4-Pole Induction Motor

The RK-870 is an improved version of our best sell. ing Model RK-820 stereophonic tape deck. With this magnificent performing dech you can add the brilliance of 4 -track stereophonic and monophonic tape recording and playbach to your present hi-fi system at a remarkably low cost. Engineered and designed for verticle or horizontal operation. Features automatic equalization for 3-tape speeds separate record volume controls, instant "on" solid state stereo recoro/play preamps with 2 record/playbach vu level meters with pilot lights and record mode indicator lights. Spill-proof, single tape function selector knob for 5 modes of tape transport: fast rewind, stop, run and fast-forward plus "pause" for precise editing. 3-digit tape counter with fast pushbutton zero reset in editing and indexing. Rear panel preamp outputs, auxiliary inputs and front panel mike input jachs are all readily accessible for easy hook-up. Takes up to 7" reels. Housed in oiled walnut finish veneer case with silver metal trim. For $110 \mathrm{~V} ., 60 \mathrm{~Hz}$ AC. 18 lbs. 99 T 1566wX $\$ 6.50$ Monthly, Imported.... Net 119,95

7" Reel of 1800 Ft. Lafayeite Mylar Base Recording Tape.
28 T 0106
Net 2.49
Dynamic Mike, Imported. Snpg. wt., $11 / 2$ lbs. 99 T 4630

[^1]

OUTSTANDING FEATUAES

1) Heads: Separate $1 / 4$-Track Record/Play \& Erase
2) Tape Reels: Uo to $7^{\prime \prime}$ Size
3) Spill-proof 5-Position Tape Function Control with "Pause"
4) 3-Speed Selector Lever
5) Pushbutton Power Switch
6) Digital Tape Counter with Pushbutton Reset
7) 2-Record/Playback VU Level Meters with Pilot Light and Record Mode Indicator Lights
8) Separate Record Volume Controls
9) Individual Record Safety Buttons
10) Stereo Microphone Inputs
11) Stereo Headphone Jack
12) Deluxe Oiled Walnut Wood Case


## RK-830 Solid State 3-Head 4-Track Stereo Record/Playback Deck

## 15995

NO MONEY DOWN
Complete with 4 connecting cables,
2 rubber reel cops, $7^{\prime \prime}$ take-up reel.

- Tape and Input Source Selectar Switch Permits Tape and Input Source Monitoring
- 3-Speeds: $71 / 2,31 / 4$ and $1 \%$ IPS
- Sound-on-Sound-

Sound-with-Sound

- 2 Studio-Type Recard/Playback VUMeters
- 4-Track Stereo and Monaural Record/Ploybock
- Separate Solid State Record and Playbock Stereo Preamps
- 3-Head Tape Transport with 4. Pole Induction Motor

A truly autstanding Solid-State 3 head, 4 track stereo tape deck offering brilliant "concert hall" tape reproduction and playback. Enjoy thrilling sound on-sound and sound-with-sound plus camplete 4-track stereo and monophonic record/playback facilities. Operates vertically or horizontally with styling to match any custom hi-fi music system. Single lever control selects fast-rewind, stop, run and fast-forward plus "pause" for precise editing and cueling. Other professional features include: dual illuminated YU meters for accurate record/ playback settings; digital tape counter with push-button reset, automatic shut-off at end of play and rugged 4 -pole motor. Has low level inputs for microphones; high level for radio. TW, phona. Outputs for external amplifier. Takes $7^{\prime \prime}$ reels. In sturdy utility base ready 10 play. For $110-120 \mathrm{v}, 60$ cycle AC. Imported. Shpr. wi., 18 lbs
99 T 1534 WX $\$ 8$ monthly ........... Net 159.95 7" reel of 1800' Lafayette Mylar Base Recarding Tape. 28 T 0106

Net 2.49
Deluxe Oilec Walnut Wood base for RK. 830. Shpg. wi., 4 lbs 24 T1214W

Net 9.95
Dynamic mike. Wt., $11 / 2$ Ibs.
99 T 4602
Net 7.95

## SPECIFICATIONS

Frequency Response: $\pm 3 \mathrm{db}, 40-18,000: \mathrm{Hz}^{2}$ at $71 / 2 \mathrm{ips} ; \pm 3 \mathrm{db}, 40 \cdot 12,000 \mathrm{~Hz}$ at $31 / 4$ ips. Wow and Flutter: less than $0.15 \%$ rms at $71 / 2$ ips; less than $0.25 \%$ rms at $33 / 4$ ips. Signal-to-Nolse: -50db or better. Elas 8 . Erase Frequency: 96 kHz'.Crosstalk: aver 60 db . Inputs: (Each Channet) microphone. 9 mv . 10 k ohms; auxiliary, $300 \mathrm{mv}, 500 \mathrm{k}$ ohms. Outputs: (Each Channel) external amplifier, $0.9, \mathrm{v}, @ 3 \mathrm{k}$ ohms. Size: $113 / 4 \mathrm{~W} \times 911 \mathrm{~h} \mathrm{H} \times 51 \mathrm{~h} . \mathrm{D}$; in base, $12 \mathrm{~s} / \mathrm{WW} \times 10 \% \mathrm{H}$ $\times 6^{\prime}$ D. 12 Transistors, 6 Diodes.


## SUPERB FEATURES

1) 3-Heods:

1/4-Trock Lamination Type Stereo Playback Head 1/4-Track Lamination Type Stereo Record Head 1/4-Track Double-Gapped High Efficiency Erase Heod
2) Automatic Shut-aff
3) Tape Reels: Up to $7^{\prime \prime}$ Size
4) 5. Position Tope Motion Control with "Pouse"
5) Digital Tape Counter with Pushbutton Reset
6) Illuminated Record/Playbock VU Melers
7) Seporote Record Valume Contrals 8) Monitor Switch Far Tope or Source 9) Individual Record Sofety Buttons
10) Sterea Micraphone Inpuls


## For The Individual Who Insists Upon Professional Performance

## ONLY <br> 19995 <br> No Money Down

 with 4 -connecting cables, 2-rubber reel caps,$7{ }^{\prime \prime}$ empty reel

## Optional Dynamic Mikes


ea.


# DELUXE LAFAYETTE RK-920 COMPUTOR-MATIC REVERSING SOLID STATE STEREOPHONIC TAPE DECK 

- Automatic and Continuous Reverse in Record or Playback
- Bi-directional Recording and Play-back in Connection with External Amplifier and Speaker System
- Built-in Solid State Stereo Record/Playback Preamplifier
- 4-Track Stereophonic or Monophonic Recording/Playback in connection with External Amplifier
- Two Sensory Switches for Automatic Tape Reversing System
- Automatic Shut Off Switch
- Sound-on-Sound,

Sound-with-Sound

- 3-Digit Tape Counter with Push Button Reset
- Horizontal or Vertical Operation
- Two Large llluminated VU Meters

Lafayette's RK. 920 Computor-Matic Reversing System Works on 1-Manual and 3 Automatic Reversing Positions In Either Record or Playback Mode. Reversing Positions:

1) Manual-Same as any tape recorder, but permits manual reverse at any point by depressing a button. Sens ing metallic foil is disregarded.
2) Automatic-1-Tape moves in one direction and stops at end of tape where sensing metallic foil is located. 3) Automatic-2-Single Reverse-Tape playing or recording from either left or right reel feeds to opposite takeup reel, reverses itself at the end of the tape where metallic sensing foll is located and then feeds back to starting reel and automatically stops.
3) Automatic-3-Continuous Reverse - Tape continues changing (reversing) its direction at each end of the tape where the metallic sensing foil is located.

Deluxe professional 4-track stereo tape transport system offering continuous automatic reverse with full record and playback provisions. In addition to automatic Com-puter-Matic reversing, the RK. 920 features a top performing stereo preamp, perfectly matched for use with high quality basic amplifiers. You can record "live" from microphones, or from auxiliary sources such as receivers, tuners or phonographs, and playback at either $17 / 6,33 / 4$ or $71 / 2 \mathrm{ips}$. The tape transport is powered by two separate 4 -pole induction capstan drive motors to assure ultra-smooth, accurate speed. Feathertouch push-button controls allow you to
change operational modes instantly or preset the unit to automatically reverse litself. instant pause control assures smooth, professional editing during recording sessions. Two professional $V$ meters are provided for visual monitoring of signal levels from either tape or auxiliary audio source. Housed in a beautiful brown leatherette covered wood case. $17 \times 154 / 2 \times 84 / 4{ }^{\prime \prime} 0$. Imported. Shpg, wt., 50 lbs.
99 T 1554 WX $\$ 10$ Monthly Net 199.95 99 T 4588 Optional Dynamic Mike Set 14.95 $7^{\prime \prime}$ reel of 1800 ft . Mylar Base Recording Tape with reversing sensing foils. 28 T 0118

Net 2.69

[^2]
# LAFAYETTE Cassette Spectaculars 

LAFAYETTE PROFESSIONAL RK-85 SOLID STATE BATTERY OPERATED PORTABLE CASSETTE TRANSCORDER ${ }^{\circ}$

## Complete With Remote Control Mike and Stand, Earphone, Batteries, Accessory Case, Hand Strap, Blank Cassette Tape

- Simple To Operate
- No Tape Threading
- Pushbutton Controls
- Battery Record Level Indicator
- Record Safety Interlock Button
- Remote/Control Start Stop Mike

The RK-85 portable Cassette recorder is one of the easiest tape recorders in the world to operate - there are no reels, and there. fore no tape threading. Just insert the tape cartridge, press a button and you are ready to playback or record. Tape stops automatically at the end. To record or playback on the other side. just turn the cartridge over. Beautifully styled and engineered. Capstan drive for constant $17 / \mathrm{m}^{2}$ ips speed. Operates on $5^{\text {" }} \mathrm{C}$ " batteries or 117 VAC current (with optional AC adapter). Perfect for "on-the-go" recordings. Records up to 120 minutes (both tracks). Separate pushoutton controls for: Fast Forward, Rewind, Stop, Play, plus safety record button, Permits perfect recordings with level meter that also checks batteries. 8 -transistors, 1 -diode. Includes: earphone jack, auxiliary input jack for recording from external sources such as phonograph, IV set, or Tuner, and remote control mike jack. Large $23 / 4$ " dynamic speaker, Size: $83 / 4 \times 5 \times 21 / 4 " \mathrm{H}$. Imported. Shpg. wt., 4 tbs
99 T 1557L \$5 Monthly
Net 39.95
ACCESSORIES FOR RK85

| Stock No. | Description | Shpg. wt. | Net ea. |
| :---: | :---: | :---: | :---: |
| 99 T 1562 | Vinyl Case with Strap | 1 lb . |  |
| 9971558 | AC Adapter | $1 / 2 \mathrm{lb}$. | 4.95 |
| 99 T 6257 | Extra "C" Batteries ... 5 req. | . 607. | 14 |
| 99 T 1540 | 60 minute Lafayette Cassette Cartridge | 2 oz . | 1.35 |



## NEW LAFAYETTE PROFESSIONAL RK-550 SOLID STATE STEREOPHONIC PUSHBUTTON CASSETTE TAPE DECK

No Money Down

Optional Dynamic Mikes

$$
95
$$

- Records: 4 Track Stereo and 2 Track Monaural
- Plays back 4 and 2 Track Stereo and Monaural
- All Silicon Transistor Record/Playback Preamps
- Full Compliment of Pushbutton Controls For All Tape Functions Including Pause
Professional styled and engineered to provide superb stereo and monaural cassette recording facllities. Create your own private music llbrary. Magnificently plays stereo and monaural pre-recorded tapes thru your existing hi-fi system; Makes amazingly clear voice and music recordings due to a unique lam-proof tape drive systemtape speed is constant at $17 / 8 \mathrm{ips}$. Exceptional features are a full set of pushbutton controls for all tape modes; record, play, fast-forward, rewind, pause, stop, cassette ejector; 3-digit pushbutton-reset tape counter and 2 supersensitive illuminated vu meters; independent power on/off switch, stereo/mono input selector switch, record safety button. Specifications: $1 / 4$ Track Lamination Tape stereo Cassette Record/Play Head, $1 / 2$ Track double gapped high efficiency
- 2 Large llluminated VU Meters
- Automatic Shut-Off Switch, Record Safety Button
- 3 Digit Tape Counter with Reset Button
- 2 Mic. and 4 Aux. Input Jacks
- Function Indicator Light for Play and Record
erase head. Response $40-12,000 \mathrm{~Hz}, \mathrm{~S} / \mathrm{N}$ ratio: Better than 45 db , Wow and Flutter: Less than $0.25 \%$. Overall Distortion: Less than $1.5 \%$ at 0 VU , Channel Separation: Better than 32 db . Bias \& Erase Freq: 105 kHz Sensitivity and Impedance: Mic Input 0.2 mv for 0 VU @ 600 ohms, Aux. input (Low) 100 mv for 0 VU @ 150 K ohms. Aux. Input (high) 500 mv for $0 \mathrm{VU} @ 700 \mathrm{~K}$ ohms, Size: $15 \mathrm{~W} \times \mathrm{W}^{\mathrm{F}} \mathrm{H} \times$ $9^{\prime \prime} \mathrm{D}$. Handsome brushed aluminum gold anodized extruded front panel. Attractive metal enclosure with the simulated look of rich walnut wood grain. Matches Lafayette Hi-Fi Line of Receivers, Tuners, and Amplifiers. Wt., 12 lbs . Imported. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$, 99 T 1571wx $\$ 6.50$ Monthly 99 T 4630 Dynamic Mike For RK- 550


## NEW! LAFAYETTE RK-90 SOLID STATE AM RADIO/CASSETTE RECORDER

 Only

No Money Down
Includes Remote Control Microphone with Stand, Blank 60 -Minute Cassette, Earphone, Vinyl Accessory Pouch, Shoulder Strap and Batterles.

- Simple To Operate - No Tape Threading
- Direct Recording From AM Radio To Recorder
- Pushbutton Keyboard Controls
- Recording Level and Battery Indicator

Sensational combination of a quality superheterodyne AM radio and Cassette recorder lets you record broadcasts directly, or live with a microphone. You can permanently build your own tape library of world-wide news events as they happen-historic speeches by renowned statesmen-thrilling sports events like the World Series and the Super Bowl. Loaded with oustanding features: No tape threading, pushbutton controls including Fast forward and Rewind, record safety interlock button, AC record bias, large $23 / 4^{\prime \prime}$ dynamic speaker for outstanding tonal quality, recording level and battery indicator. Can record up to 120 minutes (both tracks) on one Phillips type Cassette. External speaker output. Operates on 4 " C " batteries or 117VAC 60 Hz with optional adapter (see listing below). Also includes Aux. input and remote control mike input. Capstan drive for constant tape speed of $17 / 8$ ips. Beautiful black case with chrome and walnut wood trim. Size: $7 \mathrm{~W} \times 91 / 2 \mathrm{D} \times 21 / 88^{\prime \prime} \mathrm{H}$. Imported. Shpg. wt., 5 Ibs. 27 T $0110 \mathrm{~L} \$ 5$ Monthly

Net 49.95
ACCESSORIES FOR RK-90
27 T 0111 AC Adapter. Shpg. wt., $1 / 2$ lb.
Net 3.95
99 T 1540 Lafayette 60 Minute Tape Cassette
Net 1.35 99 T 6257 Extra " $C$ " Batteries (4-required)

Net ea. . 14

NEW! LAFAYETTE RK-80 SOLID STATE PORTABLE CASSETTE RECORDER

NEW! LAFAYETTE RK-33 SOLID STATE PORTABLE REEL-TO-REEL TAPE RECORDER

## Only <br> 

Includes Remote Control Microphone with Stand, Earphone, Vinyl Accessnry Pouch,Shoulder Strap and Batteries


- Ideal For Use In The Office For Dictation
- Ideal For Classroom Work For The Student
- Pushbutton Controls
- Recording Level and Battery Indicator

Attractlve portable Cassette recorder. Ideal for dictation or classroom work. Simple to use-no tape threading. Advanced solid state circuitry featuring 6 -transistors, 2 -thermistors, and 1 -diode. Constant $17 / 8$ ips speed capstan drive. Pushbutton controls include Fast Forward and Rewind, Safety record button, recording level and battery indicator. Records up to 120 minutes (both tracks) on a phillips type Cassette. Large $23 / 4$ " speaker. Operates on 4 " C " batteries or $110 \mathrm{~V} ., 60 \mathrm{~Hz}$ AC with optional adapter (see below). Mike and Aux. inputs. Stereo headphone jack. Attractive black cabinet with silver trim. Size: $53 / 8 \mathrm{Lx} 9 \mathrm{D} \times 21 / 2^{\prime \prime} \mathrm{H}$. Imported. Shpg. wt., 3 lbs . 27 T0109L

## ACCESSORIES FOR RK-BO

27 T 0111 AC Adapter. Shpg. wt., $1 / 2 \mathrm{lb}$.
99 T 1540 Lafayette 60 -Minute Tape Cassette.
99.T 6257 Extra "C" Batteries (4-required)

Net 29.99
Net 3.95
Net 1.35
Net ea. 14

## Only 995 - Constant Speed Capstan Drive <br> - 2-Speeds: $33 / 4$ and $17 / 8$ IPS

With Remote Control Dynamic Microphone, $3^{*}$ Reel Of Recording Tape, Take-Up Reel, Earphone, Batteries, and Carrying Strap.

Automatic Level Control - Record Safety Interlock Button Up To 2 Hrs. Record Time On 31/4 Reel

Handsome, Ifghtweight, compact, capstan drive, solid state reet. to-reel tape recorder at an amazingly low price! Takes reels up to $344^{\prime \prime}$. Can record or playback up to 2 hours (with a $31 / 4^{\prime \prime}$ reel). Ideal for use at home, in the office, in school, or outdoors at the beach. Capstan drive assures constant speed recording thus permitting playback of tapes on any dual track reel-to-ree! recorder at $33 / 4$ or $17 / 0$ ips. Dynamic mike has remote start/stop switch-prevents tape waste. Other features include: record safety interlock switch, large $3^{\prime \prime}$ dynamic speaker, bullt-in (ARL) automatic record level to keep loud tones from distorting. Separate Aux, input and Mike Input, earphone jack for private listening. Operates on 4 " C " batteries or 117V., 60 Hz AC with optional adapter (see below). Attractive two tone black and grey case. Size: $23 / 4 \mathrm{H} \times 61 / 2 \mathrm{~L} \times 10^{1 / 2 " W}$. Imported. 99 T 1561 Shpg. wt., 6 lbs

ACCESSORIES FOR RK-33
99 T 3541 AC Adapter. Shpg. wt., $1 / 2 \mathrm{Ib}$.
Net 29.95
Net 4.95
2 B T $01093^{\prime \prime}$ reel of 300 ft . Lafayette Recording Tape.

# Solid State Portable Reel-To-Reel Tape Recorders 

TRUTEST ${ }^{1} 150$ BATTERY OPERATED RECORDER



With Remote Control Mike, $3^{\text {" }}$ Reel of Recording Tape, Take Up Reel, Earphone, Carrying Strap, and Batteries

Compact, dual track, recorder operates from batteries or 117 VAC with optional adapter. Dynamic microphone has its own remote control on/off switch for taping "ietters". Jam-proof plano style pushbuttons simplify operation. Convenient earphone for monitoring recordings, or, for private listening. Uses $2-1.5 \mathrm{~V}$., and 1 - 9 V battery. Reel size: $31 / 4^{n}$. Size: $83 / 4 \times 31 / 4 \times 61 / 2^{\prime D}$. Imported. Shpg- wt., $21 / 4 \mathrm{lbs}$. (with batterles).
99 T1556i Net 14.95
ACCESSORIES FOR TRUTEST 150


Net ea. $10 \quad 27$ T2705L

## $5^{\prime \prime}$ ac and battery operateo PORTABLE RECOROER



- 2 Speeds $3 \%, 1 \%$ IPS
- Complete with: Dynamic Mike, Earphone, AC Adapter, Batteries
One of the easiest recorders to use. Lightweight, it operates on 4 " $D$ " batteries or 117 volts A.C. with accessory adapter. Efficient $34 / 2^{\prime \prime}$ PM speaker combined with a variable tone control tallors the sound to your taste. Capstan drive for both $17 / 8$ and $31 / 4$ ips assure constant tape speed. Sensitive dynamic microphone. Features full pushbutton operetion, plus jacks for external speaker/earphone, microphone, AC adapter, and auxiliary input. Size: $105 \times 10 \times 31 / 2^{\prime \prime}$. Im. ported. Shpg. wt. 7 lbs.
27 T 1018 W \$5 Monthiy $\qquad$ Net 44.95 Extra batteries ( 4 required)
99 T 6256 $\qquad$ Net ea.
.15
$5^{\circ}$ reel of $900^{\prime}$ Lafayette tape.
$28 \mathrm{~T} 0102 \mathrm{WL}, 1 / 2 \mathrm{lb}$.
tape. Net

Net .99
CRAIG MODEL 212 2.SPEED PORTABLE TAPE RECORDER


No Money Down With mike, take-up reel, $3^{\prime \prime}$ reel of tape.
Widely acclalmed, solid state, 2 -speed monaural tape recorder. Operates on batteries (Not included), or, 117 VAC current with accessory AC adapter. Features constant speed capstan orive; automatic level control; speeds $33 / 4$ and 17 lps-allows up to four hours recording time on $314^{\prime \prime}$ reels. Power output; 750 milliwatts. Has input for mikeremote footswitch; outputs for earphone and external 8 -ohm speaker. Supplied with accessory pouch, mike, reel and tape. Size: 77/w W $\times 93 / \mathrm{D} \times 33, \mathrm{HH}$. Imported. Shpg. wt., 5 lbs . 27 Y2704L $\$ 5$ Monthly

Nê 39.95
"C" batteries for Craig 212 ( 6 req.)
9976257 Net ea. AC Adapter for Craig 212

Net 4.95

## CONCORD F-20 BATTERY OPERATED "SOUND CAMERA"

## ONLY <br> $19^{75}$

with Mike
Take Up Reel

- Up to 30

Minutes
Recording
Time
Really portable-the F-20 goes anywhere: to school, in a briefcase, on a trip. Fea tures rellable solid state circuitry, "fluxfleld" head for wide frequency response and variable speed control. Records up to 30 minutes on standard 23** reel. Easy finger.tip control of transport functions. Includes dynamic microphone, built-in speaker, empty reel and earphone jack. Uses penlight cells (see below). Size: 6\%x $21 / 2 \times 41 / 2{ }^{2}$ Imported. Shpg. wt., 4 lbs.
27 Y 3510 i
Net 19.75
27 T 3505195 ft . reel of tape .. Net . 59 Batteries for F-20 (4 required) 99 16258

Tape Recorders Are Available On Easy Pay Plan-No Money Down

## 7" BATTERY/ELECTRIC PORTABLE TAPE RECORDER



With Dynamic Remote Control Mike, Batteries, Earphone. AC Cord, $7^{\prime \prime}$ Reel Of Tape, Take-Up Reel - Takes Up To 7 " Reel, 3 Speeds

Two track, monaural Battery/Electric portable tape recorder takes reels up to 7 inches. Use it anywhere. Works on self-contained batteries, 117 -volt household current or car battery with an adapter that is included. Capstan drive assures smooth, uniform speed at $71 / 2,37 / 4$ and $17 / 8$ ips. Cover closes with 7 inch reels in place. With dynamic mike, tape counter, VU meter, push-button controls, with fast forward function. Beautifully textured polystyrene attache case, with die-cast frame and carrying hande. imported. $161 / 2 \mathrm{~W} \times 35 / 8 \mathrm{H} \times 13^{\prime \prime} \mathrm{D}$. Shpg. wt., 19 lbs . 27 T1017WX $\$ 6.50$ Monthly ....... Net 119.95 Extra " $D$ " Batteries ( 8 reg.)
99 T 6256
Net ea. 15

CRAIG "SUPER 212 " 2 SPEED
PORTABLE RECORDER

"Super 212" has all the features of the famous " 212 " plus battery condition meter, auxiliary input for direct recording from ra: dies or other sources, and streamilined styl. ing. Capstan drive guarantees constant $17 / 8$ and $33 / 4$ ips tape speeds. Automatic level control prevents distortion when recording. Single lever control for all modes of operation. AC-blas recording system assures recordings of excellent quality. $4 \times 25 \%$ speaker; external speaker jack. Uses $31 / 4^{\prime \prime}$ reels. Size: $31 / 6 \times 71 / 1 \times 93 / 4^{*}$. Imported. Shpg. wt., 5 lbs.
27 T2707L $\$ 5$ Monthly _____ Net 49.95 "C" batteries "Super 212" (6 req.) 99 r 6257

# Portable Solid State Cassette Tape Recorders 



## FAMOUS NORELCO 150 PORTABLE CASSETTE RECORDER

Extremely lightweight - weighs less than 3 lbs. including batterles. Carry it everywhere deal for students, salesmen, busy executives. Records voice and music on 2 tracks at $1 \% / 1$ ips with perfect fidelity. Fully transitorized for instant playback. No warmup. Easy to use. No tape threading. Single master control starts, stops, winds and rewinds tape. Microphone has remote switch for start-stop. Uses 5 " C " size flashlight cells. Has recording level battery llfe meter. Can be used with external amplifier, headphones. Complete with mike, patch cord, vinyl carring case, 1 -tape cartridge and separate microphone pouch. Size 73/ax $41 / 2 x 21 /{ }^{\prime \prime}$. imported. Shpg. wt., 4 lbs.
29 , $\$ 5.00$ Monthly $\qquad$ Net 59.50 99 I $6257{ }^{\text {" }} \mathrm{C}$ " Type Battery, 5 required $\begin{aligned} & \text { ACCESSORIES FOR MODEL } 150\end{aligned}$ Net ea. 14

With: Mike, Deluxe Carry ing Case, Mike Pouch, Tape Pouctridge ${ }^{2}$ Pateh Cord.

Universal Car-Mount For Carry-Corder. Easy to hookup - Does not use car battery. Mounts under dash. Enables self-contalned carry-corder to be played thru car radio. You can easily remove Carry-Corder and take it with you. $111 / 2 \mathrm{Lx} 3 \mathrm{Dx} 542^{\prime \prime}$ W. Imported. Wt., 3 lbs . 2774815
27 T 4908 117VAC Adapter, Wt., 6 oz . Net 9.95
27 T 4826 Rechargeable Nicad Battery Pack. Wt., 1 lb. __ Net 24.95
27 T 4812 Model FP86 Foot Pedal. Wt. 6 oz. Net 11.5
27 T 4814 Model TP86 Telephone Pickup Coil Net 7.55
99 T 154060 Minute Blank Tape Cartridge

## NEW! 3-BAND CASSETTE BATTERY/ELECTRIC PORTABLE AM/FM/MB RADIO-RECORDER

only 8995
With: Cardioid Mike, Earphone, 60 Min.
Cassette Tape, AC Line Cord and Batteries.

Exciting 3 -band solld state radio recorder. Tunes "standard AM band ( 52.5 to 165 kHz ), standard FM band ( 88 to 108 MHz ), and Marine band ( 1.6 to 4.0 MHz$)^{\prime \prime}$. Monitor switch enables you to make direct recordings from the radio. Operates on $4^{\text {" }} D^{\prime \prime}$ cell batteries, or on $117 \mathrm{~V}, 60 \mathrm{~Hz}$. AC. with its own built-In AC adapter. Records up to two hours on one philips cassette at $1 \%$ Ips. Recorder features AC blas and AC erase. Simplified pushbutton controls including cassette eject. Also features separate volume and tone control knobs, built in 5x3" speaker, record level/battery indicator, auxiliary input and output jacks, and telescoping antenna. Size: $111 / 4 \times 9 \times 31 / 2^{\prime \prime}$. Imported. Shog. wt., 7 lbs.
27 fi02iwx $\$ 5$ Monthly $\qquad$ Net 89.95 99 T 6256 Extra " 0 " Batteries (4-required) Net ea. . 15

NEW! CONCORD F-103 2-BAND PORTABLE BATTERY/ELECTRIC AM/FM CASSETTE RECORDER
only $99^{50}$ with Remote Control Dynamic Mike

## No Money Down

Records direct from radio, or live with mike. Superheterodyne radio has AFC on FM; full range tone controls. Plays Mono/ Stereo pre-recorded cassettes; records up to two hours at $17 / \mathrm{lips}$; automatic shut-off in Play, fast-WInd and Rewind modes. Operates on standard flashight Datteries, or, on 117 V ., 60 Hz AC with built-in AC adapter. Also has built-in acoustically matched speaker, record tevel/battery condition meter, telescoping antenna for FM, built-in AM Ferrite antenna, external speaker output, monitor switch, and carrying handle. Imported. Size: $12 \times 94 / 4 \times 37 /{ }^{\prime \prime}$. 27 I 3530 wx $\$ 5$ Monthly. Shpg. wt., $61 / 2$ Ibs. $\qquad$ Net 99.50 99 「 6256 " $D$ " Batteries ( 5 -required) $\qquad$ Net ea.
.15

NEW! HITACHI BATTERY/ELECTRIC PORTABLE 4-TRACK STEREO CASSETTE RECORDER


- With 2•Mikes, 2-Earphones and Batteries
Compact, lightweight traveling companion, for the music lover. Easy-to-carry cassette stereo tape recorder. plays anywhere, anyplace. Operates on $117 \mathrm{~V}, 60 \mathrm{~Hz}$. AC. house current, or on standard " $D$ " type flashlight batteries. Two swing-out extension cabinets each contain a $5^{* \prime}$ speaker. Provides excellent stereo sound reproduction and full dimensional stereo separation. Features "Levelmatic" (automatic record level control). Also has pushbutton control; level and tone controls for each channel; two record level VU meters and remote control jack. Frequency Response: 100 to $10,000 \mathrm{Mz}$ Speed: $1 / / \mathrm{ips}$. Circuitry: 16 transistors, 10 diodes, 4 thermistors. Size: $11 \times 61 / 2 \times 8 \%$ ". Imported. Shpg. wt., 7 lbs. 27 T 2301wx $\$ 6.50$ Monthly $\qquad$ Net 119.95 " $D$ " " gatteries for above ( 6 req.) 9916256


# Panasonic Solid State Portable Tape Recorders 

# ModeI RQ-203S AC/BATTERY PORTABLE CASSETTE TAPE RECORDER 



No Money Down

With Remote Control Mike, 60 Minute Cassette, Radio Patch Cord, and Batteries.

Handsomely styled AC/Battery operated solid state portable Cassette recorder. Simple-to-use . . . no tape threading required. Features "Pop-Up" Casselte, when you are ready to change cartridges, Capstan drive operated at $1 \%$ ips constant speed with added convenience of automatic recording level circuitry. Built-in $3^{\prime \prime}$ dynamic speaker handles $11 / 2$ watts music power from 50 to 7.000 cDS. Additional features include speaker monitoring; Safety Lock Record button; Mike input, Monitor output, and Remote output. Comes with pencil microphone that easily stores in its own compartment. In black leatherefte finish with silver trim. $9 \times 10 \times 23 / 4{ }^{\circ}$ ". Operates on 6 " $C$ "" batteries (included) or 117 VAC 60 cps . Imported. Shpg. W1. 6 tos.
27 T 1215 L \$5 Monthly
99 T 6257 Extra "C" Batteries. ( 6 required)
Net 49.95
Model RQ-121S BATTERY/ELECTRIC
Net ea. . 14

## Model RQ-210 "MINI-CASSETTE" PORTABLE TAPE RECORDER

NEW!
only $99^{95}$
with:

- Remote Control Pencil Mike
- Earphone
- 60 Minute Cassette
- 4 "AA" Batteries
- Leather Carrying Case - Wrist Strap

Features:

- Five Integrated Circuits
- Built-In Speaker
- Automatic Record Level Control
Oual track miniature Cassette tape recorder, compact enough to be hand-held for on-the-spot recording anywhere! Simple to use-no tape threading; uses standard Phillips Type Tape Cassettes. Features: advanced solid-state circultry utilizing 5 Integrated Circults, 5 -transistors and 3 -diodes. Records and plays back music or voice up to an hour per cartridge at $17 / 8$ ips (both tracks). Single lever control knob determines all modes of tape operation; Record, Play, Stop, Rewind, Fast-Forward. Automatic Recording Level Control assures easy, perfect recordings everytime. Built-in $21 / 2^{\prime \prime}$ dynamic speaker offers full fidelity mono sound. Remote comtrol start/stop mike input, earphone output for private listening. Response: $\mathbf{5 0 - 1 0 , 0 0 0} \mathrm{Hz}$. Size: $3 y / 4 \mathrm{Wx} 67 \mathrm{Kaxl} 7 / \mathrm{s}^{\prime \prime} \mathrm{O}$. Imported. Shpg. wt., 3 lbs.
27 T 1217 L \$5 Monthly
Net 99.95
27 T 1218 Accessory Tle Clip Mike. Shog. wt., 202. Net 14.95 99 T 6258 Extra " $A A$ " Batteries (4-required)"....... Net ea, 10

PORTABLEAM RADIO-TAPE RECORDER


4995
No Money Down

Whth Remote Control Mike, $31 / 4^{\prime \prime}$ Reel with Tape, $3 y_{4}$ Empty Reel. Batteries.

- Takes Reels Up To 31/4"
feature packed, reel-to-reel tape recorder with the added entertainment value of a built-in sensitive AM radio... you can make direct recordings of standard AM broadcasts. Constant speed capstan drive assures precision speed control at $17 / 8$ and $33 / 4$ ips for voice and music recordings. Built-in $3^{\prime \prime}$ full range dynamic speaker reproduces 1 watt of music power. Other features include Automatic Recording Level circuitry; sound monitoring; safety lock record button. Has external speaker output. Takes up to $344^{\prime \prime}$ reels. Finished in black leatherette accented with silver trim. operates on 6 " C " batteries (Included) or 117 V . 60 Hz AC . Size: $11 \times 31 / 4 \times 10^{\prime \prime} \mathrm{D}$. Imported. Shpg, wi., 6 lbs.
27 T $1216 \mathrm{~L} \$ 5$ Monthly.
Extra "C" Batteries (6-required).
99 T 6257 ........................................... ea, 14

Model RQ-156S BATTERY/ELECTRIC DELUXE RQ-501S BATTERY/ELECTRIC 2-SPEED PORTABLE RECORDER RECORDER With AUTOMATIC REVERSE


No Money
Down


Mike, $5^{\prime \prime}$ Reel of Tape,
Take up Reel, " "D"
Batteries Patch Cord

- Takes Reels Up To 5"

Deluxe portable $5^{\prime \prime}$ two speed recorder. Operates on 4 " $0^{\circ "}$ flashlight batteries (in. cluded), or 117 V 60 Hz AC . Records up to 2 hours on $5^{\prime \prime}$ reel of tape at 178 ips . Constant speed capstan drive; $33 / 4$ and $17 / 6$ ips tape speeds. Special "Sure Power" feature automatically switches to batteries if AC power should fail. Easy-Matic switch permits recording without adjusting record. ing level. Has sound monitoring system; pushbutton controls; push-to-set 3-digit tape counter; VU/Battery level meter; and builtin dynaric speaker. Size: $111 / 2 \mathrm{~W}^{2} 9 y_{2} \mathrm{H} \times 4^{\prime \prime} \mathrm{O}$. imported. Shpg. wt. 8 los.
27 T $1202 \mathrm{~L} \$ 5$ Monthly
Net 69.95 99 T $6256^{\text {" }} 0^{\prime \prime}$ Batt. (4.req.) .... Net ea. . 16 Voice Operated Mike for above. Wt., 2 lbs. 27 T 0104

Net 19.95

7995
No Money
Down
With Batteries, Take-Up Reel, Remote Contral Dy. namic Mike and Stand.

## - Takes Reels Up To 5"

Superb performing, capstan drive portable recorder featuring a special two-direction playback and recording system...offers continuous operation by simply turning a lever to "Reverse" or "Forward" positions. Two-speed: ( $33 / 4$ and $17 / 9 \mathrm{ips}$ ). Wide range $31 / 2^{\prime \prime}$ speaker provides fine tonal quality. Unique Easy-Matic switch permits distortion. free recordings without adjusting the recording level. Single-function-lever knob for all modes of operation...also features tone control; vu/battery level indicator; 3 -digit tape counter. 11 -solid state devices. size: $113 / \mathrm{W} \times 3 \% \mathrm{H} \times 10^{\prime \prime} \mathrm{O}$. Imported. Shpg. wt., 7 lbs.
27 T 1214wx $\$ 5$ Monthly
Net 79.95
Extra "D" Batteries ( 6 required).
99 T 6256

## MODEL 155 SOLID STATE PLAYBACK/DUBBING STEREO TAPE DECK



Only
NEN $99^{50}$

## No Money Down

Complete stereo playback transport deck with solid state playback preamplifiers specifically designed for those who already own a stereo tape recorder and want their own complete 4 -track stereo tape duplicating system. The model 155 can also be used for normal stereo tape playback through any receiver or amplifier system, Features include retractomatic instant tape threading rollers, vibration free motor, pause control, 4-digit counter, and stereo headphone jack. Frequency response: $30-18,000 \mathrm{~Hz}$ at $71 / 2$ lps. Speeds: $11 / 33 / 4,71 / 2$ ips. Wow \& Flutter: $.09 \%$ at $71 / 2 \mathrm{ips}$. Supplied with walnut base. Size: $15 \% / \mathrm{wW} \times 7 \mathrm{Y} / \mathrm{H} \times 137 / \mathrm{m}^{\mathrm{co}}$. For 117 VAC 60 Mz . Imported. Shpg. wt., Ibs.
27 T 6039 wx \$5 Monthly

Net 99.50


MODEL 255
$159^{95}$
No Money Down

## MODEL 355 <br> $199^{50}$

No Money Down

Model 255 professional two head, 4-track stereo tape deck with self-contalned solid state preamplifiers for the recording and playback of four-track stereo and 4 track mono reel to reel tapes. Features two VU meters for accurate recording level indication, automatic tape lifters, automatic shut-off switch, Sony-developed vibration-free motor, "scrape flutter filter" for ellminating tape modulation distortion, sound-with-sound recordings, Individual channel recording buttons, and separate recording level controls. Operates at $71 / 2,33 / 4$, $11 / 8$ lps. Includes digital tape counter. Specifications: Frequency Response $\mathbf{3 0 - 1 8 , 0 0 0} \mathbf{~ H z}$ Signai-to-noise: 52 db , Wow and Ffutter: $71 / 2 \mathrm{ips}, 0.01 \%$; $33 / \mathrm{Ips}, 0.12 \%, 17 / 2 \mathrm{ips}, 0.17 \%$. Takes reels up to $7{ }^{\prime \prime}$. Inputs for 2 mikes. Comes mounted on a wainut wood base with protective dust cover. Dim. $15 \% / 6 \times 153 / 40 x 7 y / 4=H$. Imported. Shpg. wt., 25 Ibs.
27 T 6035 WX \$8 Monthly $\qquad$ Net 159.95
Model 355 Deluxe version of the model 255 featuring 3 heads, 4 -digit tape counter, source and tape monitoring switches, Individual channel record button and record level controls with bullt in connection and switching for sound-on-sound. Instant stop. Supplied with walnut base with protective dust cover. Size: $15 \%$ oW $\times 7 \% \Delta H \times 14^{\circ} \mathrm{D}$. Imported.
27 T 6036wx Shpz, wt. 26 lbs.
Net 199.50
27 T 6037 F98 Mike for Models 255 and 355


## SONY 560-D SOLID STATE E.S.P.

 AUTO REVERSE STEREO TAPE DECK Only
## $299^{50}$ <br> - Automatic Reverse In Record

 or Playback Mode
## No Money Down

Professional 4 -track solid state stereo tape deck featuring exclusive Sony E.S.P. automatic reverse in elther record or playback mode. 4 -track stereo/mono record and playback. Mounted in beautiful walnut finished base. 3 speeds: $71 / 2,33 / 4,17 / \mathrm{ips}$. Features: Sound-with-sound; dual capstan drive system with Sony retractomatic pinch roller; Sony servocontrol motor; stereo headset jack; 2 VU meters; digital tape counter, and automatic sentinal shut-off after tape has made complete reverse cycle. Takes reels up to 7". Inputs: Mike and 2 aux. $16 \% \times 61 \%{ }^{2} 15 \%{ }^{\prime \prime}$. Imported. Shpg. wt., 29 lbs . For 117 VAC $50 / 60 \mathrm{~Hz}$.
27 T 6026wx $\$ 15$ Monthly

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y
$$ Net 299.50 27 T 6031 F98 Mike For 560-D. Shpg. wt., 1 10.~Net 13.50 MODEL 560 STEREO E.S.P. REVERSE RECORDER Same as $560-\mathrm{D}$ except with stereo control center pre-ampllfier, amplifier, detachable speakers and 2 mikes in compact portable case. Size: $201 / 2 \times 11 \%, x$ 171漡"D. For 117 VAC $50 / 60 \mathrm{~Hz}$. Imported. 27 T6027wx Shpg. wt., 38 lbs. $\$ 19$ Monthly

Net $\mathbf{3 9 9 . 5 0}$
SONY 230 SOLID STATE "STEREO COMPACT" PORTABLE TAPE SYSTEM


- Complete Inout Facilities For Connection Of Magnetic Phono Cartridge or Tuner
- 4-Track Stereo/Mono Record and Playback

Portable 4-track stereophonic record and playbach tape system featuring built-in solld state stereo control center with 20 -watt stereo amplifier. Complete input and switching facilities for the connection of external stereo hi-fil components such as magnetic phono cartridge, tuner-radio, TV, PA and mike. Two Ild-interrated full range speaker system that may be separated up to 15 feet; three speeds $71 / 2,31 /$, and $11 / \mathrm{ips}$; left, right and stereo speaker modes; retractomatic pinch roller for unequaled threading ease; tone control; stereo headset jach; automatic sentinal end-of-reel shut off; sound with sound; digital tape counter; takes reels up to $7^{\prime \prime}$; two VU meters. Output. external speakers (2), line output $\mathbf{2 i}_{i}$ stereo headphone $17 \times 95 / 0 \times 14^{\circ} \mathrm{D}$. Imported. Shpg. wt 32 fbs .
For 117 VAC 60 Hz . Includes 2 Sony $\mathrm{F}^{-45}$ cardiod dynamic mikes. 27 T $6028 w x$ \$11.50 Monthly

## NEW MODEL 910 SOLID STATE BATTERY/ELECTRIC PORTABLE RECORDER

## NEW MODEL 104A SOLID STATE MONO PORTABLE RECORDER

with mike, earphone, vinyl carying case, batteriss

- Two Speeds- $1 / 6$ and $33 / 4 \mathrm{ips}$.
- Takes Reels Up To $31 /{ }^{1 /}$
- Recording and Battery Condition Indicator
- Remote Stop/Start Cardioid Mike

Compact battery and AC powered portable recorder with automatic recording and capstan drive. Features include buiti-in AC adapter, dual track operation, automatic tape lifter, record interlock switch, aux. audio Input jacks, and recording level/battery conditian meter. Supplied complete with dynamic remote controlled mike, єarphone,
 6 Jbs .
$2716040 \mathrm{~W} \$ 5$ Monthly $\qquad$ Met 69.50
9976256 Extra 0 batteries ( 4 required) __ Net ea. . 15

No Money Down

- 3 Speed - $7 \frac{1}{2}, ~ 33 / 4,17 / 2 \mathrm{ips}$
- Automatic Recording Control
- Takes Reels Up To 7"
- Pause Control
- Digital Counter

Top quality 3 -speed dual track mono recorder. Automatic recording control adjusts recording level to insure perfect recording every time. Tape lifter prevents head wear. Record safety interlock prevents erasure of tape. Automatic tape shut off. Speeds of $71 / 2,37 / 4$, and $17 / \%$. Takes 7 reel. Powerful 10 -watts of solld state play-back power. Features adjustable tone and pause controis, easymatic tape threading, automatic tape lifter, and VU meter. Model 1.04A can also be used for public address. For 110 V . AC 60 Hz . With Dynamic microphone. Size: $61 / 2 \mathrm{Hx} 16 \mathrm{~W} \times 10 \neq{ }^{\circ} \mathrm{D}$. Imported. Shpg. wt. 21 lbs . 27 T 6030 wx : $\$ 6.50$ Monthiy $\qquad$ Net 112.50

## SONY SUPERSCOPE MONAURAL CASSETTE TAPE RECORDERS MODEL 100 SOLID STATE BATTERY/ELECTRIC

 CASSETTE-CORDER- Battery Level and Recording Modulation Meter
- A.R.C. (Automatic Recording Control)

Another great performer from Sony-all solid-state, portabie, AC or battery operated Cassette-Corder! Compact and rugged enough to be carried anywhere. No tape threading, just insert a Cassette cartridge and you are prepared to record or playl-back 60 -minutes of volce or music. Features: Push-button controls for record. Fast Formard. Forward (Play), Rewind and stop; separate controls for Tone and Volume; push-button Ild release and Cassette ejector; dual purpose battery level and recording meter; auxiliary high level input for recording from radio, television, telephone pickup or other high level source; monitor output for earphone listening. Also features: Built-in 117 VAC converter for complete, flekibility of battery or household current operation. Uses 4 " $0^{\prime \prime}$ cell batteries. Imported. 5 " W $91 / 4^{*} \mathrm{~L} \times 21 / 2^{*} \mathrm{D}$. Shpg. wt, $52 / 2 \mathrm{lbs}$.
27 T 6021 wx $\$ 5$ Monthly
vet 99.50
Accessories For Sonymatic 100
BP-9 Rechargeable Nickel-Cadmium Batt. Pack. Shpg. wt., 2 lbs. 27 T 6022 Net 14.95
27 T 6023 FS. 5 Foot Switch. Shpg. wi., 1 Tb.———— Net 6.95 99 T 1540 Lafayette 60 Minute Tape Cartridge wt. 4 oz. - Net 1.35 99 T 6256 Extra "D" Type Batterles (4 req.)

Only
$99^{50}$
No Money Down
Complete with batteries, dynamic mike with remote control switch, leather carrying case and 60 minute tape cartridge

## SOLID STATE MODEL 50 POCKET CASSETTE-CORDER

- Hand "Snap-in" Battery Pack
- Built-in Microphone
- Automatic Recording Level Small enough to fit into a jacket pocket. the deluxe Sony TC-50 is a marvel of miniaturization and performance. Features: Sonymatic A.R.C. automatic recording control; buliti-in mike; and speaker. 2 track mono record and Playback. Speed: $1 / / /$ ips. Push-button rewind; battery level and record meter. AC with optional adaptor. Handy "snap-in" battery pack containing 4 type "AA" batteries. With leather case and one $60-\mathrm{min}$. cassette. Imported, $3 \mathrm{~K}_{2} \times 1{ }^{1} \mathrm{y}_{2} \mathbf{3} 5 \mathrm{~K}_{6}{ }^{" \mathrm{D}}$. Shpe. wt.. 312/2 lbs.
27 T6031L $\$ 6.50$ Monthly ___ Net 119.50

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\text { ACCESSORIES FOR SONYMATIC } 50
$$

Model AK-1 Nickel Cadmium Battery Pack and AC Adapter charger. 27 T 6041 Shpg. wt., 1 tb. Net 27.50 27 T 6023 FS-5 Footswitch. Shpg. wl., 1 lb . 99 T 1540 Lafayette 60 minute tape cartridge $\qquad$ Net 6.95 99 T 6258 Extra "AA" batteries (4 required) $\qquad$


# Quality Ampex Reel-to-Reel and Cassette Recorders 



MICRO 85 SOLID STATE STEREO
CASSETTE PLAYER/RECORDER SYSTEM


No Money Down
Compact, stereo cassette player/recorder with two matching oiled walnut wood speaker enclosures. each containing a wide range $6 \times 9^{-4}$ speaker. Includes two dynamic omni-directional microphones with detachable stand. Plays and records both stereo and mono cassette tapes at 1 \%/ IPS. Features; Push-button operation; RecordIng and Playtack volume and balance controls, tone controls, W meter; Digital counter. Size: Player/recorder - $14 \% / 4 \mathrm{~W} \times 8 \% \mathrm{D} \times$ $34 / 2{ }^{-} H_{\text {; }}$ Each enclosure - $141 / 2 \times 71 / 4 \times 9^{-}$. Shpg. wt., 25 lbs.
27 T 2539 wx \$10 Monthly 189.00 MICRO 50 CASSETTE STEREO PLAYER/RECORDER DECR: Same as above but less power amplifier and matching speakers. Size: $141 / 2 x$ 8 年 $x$ 312". Snpg. wt., 11 los.
27 ர 2534 wx $\$ 7.50$ Monthly
Net 139.00

## MODEL 750 SOLID-STATE REEL-TO-REEL STEREOPHONIC 3-HEAD TAPE DECK

Only
$199^{\circ 0}$

- Sound-on-Sound
- Sound Monitoring
- 3 Speed- $7^{1 / 2}, 3^{3 / 4}, 1 \%$ IPS- 3 Heads

Less Case

## No Money Down

Handsome, 4-track stereo tape deck featuring 3 heads and 4 solid state preamps. "Deep-gap" heads are similar to those used in Ampex professional units. Permits full frequency recording from FM/FM Stereo, phono, and many other audio sources. Features dual capstan drive, tape monitor, echo chamber, VU meters, digital counter, tape lifters, and safety record lock to prevent accidental erasures. Frequency Response: $50.15,000 \mathrm{~Hz}$, $\pm 4 \mathrm{db}$; Signal-to-Noise: 46 db at $71 / 2$ IPS; Flutter and Wow: $15 \%$ at $71 / 2$ IPS, $2 \%$ at $37 / 4$ iPS. For 117 V AC, 60 Hz . Less base. Size; $157 / \times 121 \%$. $x$ 6\%". Shpg. wt., 32 lbs.
27 T 2533 wx $\$ 10$ Monthly Net 199.00
27 T2542W Oiled Walnut Wood Base for 750, 8 lbs.__ Net 19.95

## DELUXE MODEL 1450 SOLID STATE AUTOMATIC REVERSING STEREO TAPE DECK

## $299^{\circ 0}$

Less Case No Money Down

- Automatic Threading
- Automatic Reversing
- Automatic Replay
- Sound-with-Sound

Enjoy uninterrupted listening with automatic reversing; after first side of reel ends, reverses and plays second side automatically. Exclusive, 4 deep-gap heads are similar in construction to those used on Ampex professional units. Accurate record level vu meters permit you to constantly monitor record level input with minimum of distortion. Features dual capstan drive system. 3-speed opera. tion: $71 / 2 \mathrm{H} / 4,17 \%$ IPS. Response: $50-15.000 \mathrm{~Hz} \pm 4 \mathrm{do}$ at $71 / 2 \mathrm{IPS}$. S/N ratio: 46 ob at $71 / 2$ IPS. Flutter and Wow: $.15 \%$ at $71 / 2$ IPS; $.2 \%$ at $31 / 4$ IPS. Size: $157 / 8 \times 151 \% / \times 63 \mathrm{H}^{\prime \prime}$. Shpg. Wt., 31 lbs.
27 T 2540 Wx \$15 Monthly
Net 299.00
27 T2542w Olied Walnut Wood Base, 8 lbs. Net 19.95

## NEW MODEL 2161 SOLDD.STATE REEL-TO-REEL AUTOMATIC REVERSING STEREO TAPE RECORDER



Bi-Directiónal Recording

- Monophonic Mixer
- 2 Second Automatic Threading

With Mikes No Money Down

- Each Speaker Enclosure has $6 \times 9^{*}$ Dual Cone Extended Range Speaker
Automatic record and playback in both ofrections with no reel changing. Allows mixing of two separate sound sources on a single track. Automatic reversing and threading. Deep-gap heads for long service. Dual capstan drive system controls tape tension and elfminates need of pressure pads. 3 -speeds: $71 / 2,3 \%, 1 \%$ IPS'. Power output: 6 watts RMS per uhannel. Record/Playback Response: $50-$ $15,000 \mathrm{~Hz} \pm 2 \mathrm{db}$ at 742 IPS. Wow and Flutter: $0.8 \%$ at $71 / 2$ IPS and $.15 \%$ at $3 y / 4$ IPS. With speakers and 2 microphones. Size: $19 \times$ 1342 $\times$ 7 42 ".
27 T253Twx $\$ 23$ Monthly. Shpg. wt., 57 lbs. Net 469.00


# Famous Name Professional Quality Tape Recorders 

NEW! BELL and HOWELL MOOEL 2295 AUTO-REVERSE STEREO RECORDER

TANDBERG MODEL 64X STEREOPHONIC TAPE DECK

Deluxe WOLLENSAK MODEL 1500SS TAPE RECORDER



## ${ }^{\text {only }} 184^{95}$

No Money Down

## - Solid State Circuitry

- 2 Track Mono Record/Play
- 10 Watt Push-Pull Output
- Keyboard Operation

Deluxe solld state, portable tape recorder. Records/playback at $71 / 2$ and $31 / 4$ lps. Features VU meter; tape counter; automatic tape lifters; pause control; fast forward/ rewind. Has provisions for monitoring and P.A. All metal construction. Includes mike, accessory cords, blank tape, self-threading take-up ree1, Freq. Resp.: $40-15,000 \mathrm{~Hz}$ $\pm 3 \mathrm{db}$ at $71 / 2 \mathrm{lps}, 40 \cdot 8,000 \mathrm{~Hz} \pm 30 \mathrm{~b}$ at $33 / 4$ los. Wow/Flutter; less than $0.3 \%$. $\mathrm{S} / \mathrm{N}$ greater than 48 db . Inputs for mike, phonoradio; outputs for ext speaker, preamp. 117 V ., $60 \mathrm{~Hz}, \mathrm{AC}$. Size: $642 \mathrm{H} \times 101 / 40 \mathrm{D} \times 117 / 4 \mathrm{~W}$. Shpg. Wt., 22 Lbs
27 Y 5022 WX $\$ 10$ Monthly $\qquad$ Net 184.95

$$
\text { ACCESSOLIES FOR } 1500 S S
$$

Vinyl Carrying Case. Shog. wt., 1 lb. 27 T 5021 _ Net TE401 Earphones. Shpg. wt., 8 Oz . 27 T 5008 Net TF404 Foot Control. Shpg. wt., 2 Lbs. 27 T 5009

${ }^{\text {ony }} 369^{\circ 0}$

## - Automstic Reversible Head Assembly

- Automatic Tape Loading
- Automatic Head Degaussing
- Automatic Shut Off
- Automatic Tape Programming

Deluxe 4 Speed, 4 Track Stereo Recorder. Exclusive Autoload air transport system at. taches tape to takeup reel automatically. One master control directs all tape movement. Feaiures include automatic tape re. versing, for continuous play. "Sound with Sound," and Automatic Tape Lifters that disengages tape from heads for increased head life and less tape wear; pause control, 2-VU meters: Specifications: Tape speeds: $71 / 2$ los, $31 / 4 \mathrm{ips}, 17 / \mathrm{ips}, 1 / 44$ ips. Uses reels to $7{ }^{\prime \prime}$ dia. Response $71 / 2 \mathrm{ips}-40$ to 17 kHz $\pm 3 \mathrm{db}$ average. Two built-in 8 " $x 4^{\prime \prime}$ oval speakers; with two dynamic omnidirectional microphones. Size: $8.5 \times 13.3 \times 15.7^{\prime \prime}$. Shpg. wt. 27 lbs. 27 T3801母x $\$ 19$ Monthly $\qquad$ Net 369.00

No Money Down

- Records/Plays 4-Track Stereo Mono



## only $549^{00}$

- 3 Speeds: $71 / 2,33 / 4,17 / 8$
- 3 Heads for Playback, Record, and Erase
- Separate Playback Control For Each Channel
- Sound on Sound Selector

A deluxe tape deck with new crossfietd heads for exceptional frequency response, even at slow speeds. With 4 built-in preamps, 2 for recording, 2 for playback, plus a transistorized center channel amplifier. Features a hysteresis-sync motor, individual mixer recording controls, separate playback control for each channel, illuminated tape counter, pause button, and special FM multiplex filters for stereo radio recording. 2 microphone Inputs. 2 high and 2 low input/ outputs. Frequency response $20-25,000 \mathrm{~Hz}$ at $71 / 2 \mathrm{lps}, 20-18,000 \mathrm{~Hz}$ at $33 / 4 \mathrm{iDs}$, $30-12,000$ Hz at $1 \%$ lps. With teakwood base, patch cords and take-up reel. Less microphone. For
 Imported. Shpg, wt., 25 lbs.
27 T 6706wx $\$ 29$ Monthly
Net 549.00

## CROWN SOLID STATE FM WIRELESS PORTABLE TAPE RECORDER

- FM Wireless Tape Recording (FCC Type Abproval WM-116)
- 4 Hours of Recording and Hi-Fi Sound on Batteries or AC
- Direct Listening/Recording From Built-in FM Radio
Advanced solid state, 15 -transistor, 2 -speed capstan drive portable tape recorder. Features "built-in FM radio receiver", "wireless control and recording" and "automatic record level control". 3 -transistor FM wireless mike remotely operates recorder. Starts and slops recorder and allows you to record from a distance of up to 100 Ht . without a microphone cord or extension line. Meets FCC specifications. The exact program material received on the FM radio can be recorded and monitored at the same time. Controls for Forward (record/play), Rewind, Fast Forward, Record Safety and AC/Battery power source, radio off/On, Volume, Monitor/Tone, and Vemier Puning Dial for selecting FM stations or tuning into the transmitter frequency of the wireless mike. Unit also has Auxiliary jack, Remote microphone jack, Earphone jack, Record Level Indicator, AC-on Iight and a telescoping FM antenna. Specifications: Six "D" batteries or built-in I17V., 60 cycles AC adapler; $5^{\prime \prime}$ reels, up to 4 hours 16 minutes recording time; $88-108 \mathrm{MC}$ FM tuning range: $17 /$ and $^{33 / 4}$ ips tape speeds; and built-in $3 \times 5^{\prime \prime}$ wide-range speaker. With wireless mike; start-stop remote mike, earphone, ${ }^{\prime \prime}$ " reel tape, batteries and telephone pickup. 41 \% $\times 111 \% \times 103 / 4^{2}$. Imported, wt., 11 lbs . 27 T 7202wx $\$ 8.00$ Monthly $\qquad$ Net 159.95 99 T 6256 Extra " 0 " batteries (G-req.) 99 T 6258 Extra "AA" batterles (2-req.) for FM mike Net 15 ea. Net 10 ea.



## Quality Roberts Stereo Reel to Reel Tape Recorders

## ROBERTS 1720 STEREO RECORDER

WITH DETACHABLE MATCHING SPEAKERS

Only 195 Track Stereo And Mono Record
With 2 mikes
: Twin VU Steteo And Mono Play
No Money Down
Breathtaking stereo realism and outstanding versatility are yours with the Roberts 1720 tape recorder. Provides a big 10 watts of stereo output per channel and a broad, flat response of $40-15,000$ cps. 2 -speed operation, $33 / 4$ and $71 / 2$ ips, with automatic shutoff. Has 3 digit counter, fast forward/rewind for rapid and precise position locating. Twin VU meters, headphone jack, monitor/pause edit lever, and equalized preamp outputs provide full taping flexibillty. Takes up to $7^{\text {" }}$ reel. With 2 mikes, twin detachable speakers, and empty $7^{\prime \prime}$ reel. $151 / \mathrm{e}^{\prime \prime} \times 147 \mathbf{/ n}^{\prime \prime} \times 101 / 2^{\prime \prime}$. For $110-120$ VAC, $60 \cos$ Imported. Shpg, wt., 26 tbs.
27 T 5515WX $\$ 14.00$ Monthly $\qquad$ Net 199.95


NEW PROFESSIONAL ROBERTS 770X/SS SOLID STATE 4-TRACK STEREO TAPE RECORDER

- 4-Track Stereo/Mono Record And Playback
- Equalization Selector For 3 Speeds
- Sound On Sound Selector Switch On Record
- 4 Digit Index Counter With Reset Button
- 2 VU Meters, 2 Headphone Jacks

Deluxe professional 40 -watt ( 20 watts each channel) stereo recorder featuring the exclusive Cross Field System that permits recording an extra octave in the high frequency spectrum. Features 3 heads, 4-track stereo and monaural record/playback, 3 -speeds $17 / 8,33 / 4$, $71 / 2$ ips, muting and sound-on-sound, 2-VU meters, automatic shutoff, pause lever/start button, tape cieaner and dynamically balanced hysteresis synchronous 2 -speed motor. Two $4^{\circ "}$ wide range speakers. Response: $30 \cdot 22,000 \mathrm{~Hz}$ at $71 / 2$ ips. Wow \& Flutter: less than $0.15 \%$. For 117 V 60 Hz AC. Imported. Shpg. wt., 46 lbs.
27 T 5518 wx $\$ 19$ Monthly
Net 399.95
Model $770 x$-Same as above, but with tubes. Less muting, sound-on-sound and equalization selector switches. Shpg. wt., 63 ibs. 27 T. 5513WX $\$ 19$ Monthly


## Norelco Cassette Manual \& Automatic Tape Players

NEW! NORELCO Model 2200 SOLID STATE PORTABLE PLAYER


Now! You can have your own deluxe cassette tape player take it with you to the beach, to parties, or, to school. Simple to use-just slip in a cassette, filp a switch, and instantly you are listening to beautiful music. Features a single control knob for Play, Stop, and Fast-Forward. Solid state circuitry, runs for hours on standard "C" size flashlight batteries. Size: $10 \times 61 / 4 \times 21 / 2$ ". Imported from Holland.
27 T 4825 Shpg. wt., 3 lbs.
Net 29.95
27 T 4827 AC Adapter for 2200
Net 9.95
99 T 6257 "C" batteries for 2200 (6-req.) Net ea. . 14

NEW! NORELCO Model 2502 SOLID STATE AUTOMATIC STEREO CASSETTE PLAYBACK CHANGER DECK
only $129^{95}$

- Stacks \& Plays Up To 6 Pre-Recorded Cassettes Automatically Non-Stop

Sit back and enjoy up to 6 hours of non-stop play of pre-recorded Cassette Tapes. Exciting Automatic Stereo Cassette changer stacks up to 6 pre-recorded tapes. Plugs into stereo or mono systems. Automatic operation moves played cassettes to built.in storage compartment. Features Solid state Instant play, pushbutton controls for Forward, Rewind, Pause, Stop, Start/Reject, On-Off. Automatic stop after last cassette. Beautiful rich walnut case. Size: $151 / 2 \mathrm{Lx} 9 \mathrm{~V} / 4 \mathrm{Wx}$ $43 / 4$ "H. Imported from Holland. Shpg. wt., $151 / 2 \mathrm{lbs}$. For $110-120$ VAC 60 Hz . 27 T 4828wX $\$ 7$ Monthly

Net 129.95

# Tortronics Tape Heads and Accessories <br> Response $40-20,000 \mathrm{~Hz}$ at $71 / 2$ ips. Crosstalk rejection 55 db . For 

Premium quality no-mount heads for replacement and corversion purposes. Use with mounting kits, below, for easy instsllation.

| Stock No. | Mir. No. Type | Imp. | Net Ea. |  |
| :--- | :---: | :--- | :--- | ---: |
| 28 T 5701 | 1000 | 4SRP | Hi | 21.00 |
| $28 T 5715$ | 1001 | 4SRP | Med. | 21.00 |
| $28 T 5797$ | 3000 | 2MRP | Hi | 8.40 |
| $28 T 5798$ | 3001 | 2MRP | Med. | 8.40 |
| $28 T 5709$ | 1400 | 4SE | Hi | 12.00 |
| $28 T 5710$ | 1401 | 4SE | Med. | 12.00 |
| 28 T5713 | 3600 | 2ME | Hi | 8.00 |
| $28 T 5714$ | 3601 | 2ME | Med. | 8.00 |

QUIK-KIT MOUNTING HARDWARE

| Stock No. | QK No. | Description | Net Ea. |
| :---: | :---: | :---: | :---: |
|  |  | SIDE-MOUNT |  |
| 2815735 | 18 | All erase | 1.00 |
| 28 T 5734 | 20 | 3000 RP series | 1.00 |
| 28 T 5733 | 38 | Other RP | 1.00 |
|  |  | BASE-MOUNT |  |
| 28 T 5738 | 19 | All erase | 1.00 |
| 28 T 5737 | 21 | 3000 RP | 1.00 |
| 28 T 5736 | 66 | Other RP | 1.00 |
|  |  | SPECIALS |  |
| 28 T 5792 | 102 | Sony RP | 1.75 |
| 28 T 5794 | 118 | Webcor RP | 4.00 |
| 28 T 5799 | 119 | Sony RP | 1.00 |
| 28 T 5795 | 305 | Sony erase | 3.00 |
| 28 T 5825 | 306 | Sony erase | 1.50 | heads. Shpg. wt., 6 oz. frequencies to 100 kHz , Av. wt. 6 oz .

## RECORDING ACCESSORIES

## ADJUSTABLE MOUNT ASSEMBLIES.

Complete Range of adjustment for height, face and aximuth. Can use with TG-7 guide posts. Base size $11 / 0^{\prime}{ }^{\prime} W \times 13 / 32^{\prime 2} \mathrm{~L}$ w/tabs $17 / 32{ }^{\prime \prime} \mathrm{L}$ w/0 tabs. We., 402.

Stock No, OKNo. Description Net Éa. 28 I 573974 For all RP heads Ex28 T 574077 For 3000,3100 Ser. |  |  | RP heads |
| :--- | :--- | :--- | :--- |
| 28 |  |  |

AT-100 Alignment tape. Full-track $71 / 2$ ips. For head azimuth alignment \& NAB testing frequency response of any recorder or tape head. Wt., 402.
28 T 5758
Net 4.95
TG-7 Tape Guide Post. Adjustable height chrome-plated brass w/hdwe \& instr. Wt. 302.

28 T 5761
Net 1.00
L- 7 Mounting Bracket. Left angle unlversal for side mount heads, narrow base. Includes azimuth plate. Shpg. wt., 3 oz.
28 T 5801
... Net 70
OSCILLATON TRANSFORMERS: To provide high frequency AC blas to record heads and erase 28 T 5759 T-60F for tube circuits; 60 RMS @ $60-100 \mathrm{kHz}$ Net 4.50 28 T 5760 T-60T2 For transistor circuits; $40-120$ RMS @ $60-100 \mathrm{kHz} \ldots \ldots . . .$. Net 4.50 28 T 5811 P-70T2 For PC transistor circults; $40-120$ RMS @ $60-100 \mathrm{kHz}$. ........... Net 4.50 28 T 5812 T.70T6 For PC transistor circults (duplicators) 70 RMS @ 250.500 kHz . . Net 9.00 CONTACTO HEAD: Used with metal foil cueing (has 2 contactor shoes). 28 T 5813 SH3N/B Includes base mount. $\qquad$ Net 8.00 2815814 2H3R Rear-mount style.

Net 9.50

DIRECT REPLACEMENTS FOR POPULAR TAPE RECORDERS
R-Record; P.Play; E-Erase. *Mounting hardware where required. (See below). With instructions. Average wh. I lb.

$\begin{array}{lll}28 \text { T } 5785 \\ & 7403\end{array} \quad$ RP $\begin{array}{ll}2001 \cdot(1,1 A, 1 B, 1 C), 2002, \\ 2009,2203,2206-1,2800 ~ \& ~\end{array}$
2900 series $118 \quad 10.5$
28 T 57073100 RP 2101-1, 2200-(1), 2202(1), 2205-(1),
2300.(1), 2302-(1), 2303-(1),

2400-1, 2402-(1), 2500-(1, 10, 22),
$\begin{array}{lll}2400-1,2402-(1), & 2500 \cdot(1,10, & 22), \\ 2502-(1,10) & 5400 & 118.40\end{array}$

$\begin{array}{lll}28 \text { T } 5786 & 7500 & E \\ 28 \text { T } 5701 & 1000 & R P\end{array}$
RP 2007, 2107(-1), 2150,
2007(-1), 2208.1, $2250(-1)$,
$2328(-1), 2356(-1,1 \mathrm{~A}, 18)$.
2357(-1), 2360(-1), 2366-1B,
2391, 3392, 3393, 4007-1, MUSIC MAN

|  |  |  | MUSIC MAN | No | 21.00 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 28 T 5722 | 1402 | E | For all models above | 18 | 12.00 |
| 28 T 5787 | 6003 | RPE | $\begin{aligned} & 2520-1,2522-1,2456(-1), \\ & 2457(-1), \text { REGENT } \end{aligned}$ | None | 33.00 |
| 28 T 5788 | 6025 | RPE | 2403(1), 2503-1, VISCOUNT | None | 18.00 |
| 28 T 5826 | 7400 | RP | For all models utilizing replaceable pole plece. |  | 6.00 |

For VM Models


# Enjoy Brilliant Stereo 4 and 8 Track Tape Cartridges In Your Car 

NEW! RANGER 4 and 8-TRACK CAR STEREO TAPE PLAYER
${ }^{2 \times 7} 79^{95}$
Less Speakers No Money Down


- For All 12 Volt Neg./Pos. Ground Cars
- Thumbwheel Type Control Knobs Conform With Federal Safety Regulations
A fully automatic 4 and 8-track car stereo tape player with exclusive fine tuning control. Handsomely styled in black and chrome. This compact unit measures only $27 / 8 \times 77 / 8 \times 8^{\prime \prime}$ and can be easily mounted under the dash of your car with attached universal bracket. Thumbwheel control knobs conform with latest federal safety regulations. Fully automatic - no switches or lever to select choice of cartridge. Either 4 or 8 -track cartridge slips in easlly and plays Instantly. Provides superb tape reproduction. Removal of cartridge automatically switches player off. Fine tuning control tunes out undesirable crosstalk in worn or defective 8 -track cartridges by adjusting the playback head to precision alignment with the recorded
- Fully Automatic - Instant Operation
- Fine Tuning Control For Precision Head Alignment With Tape
- Illuminated Channel Indicator Light
tracks. Illuminated channel indicator shows channel that is playing. Channel changes automatically after each program by instantly operating the selector bar. Specifications: Peak Audio Output: 20 watts; impedance: 4 ohms each channel; Transistors: 12; Thermistors: 4; Battery drain: 75 amp ; Dual Tone Control. For 12 volt neg./pos. ground. Imported.
17 T $7438 \mathrm{Wx} \$ 5$ Monthly. Shpg. wt., 12 lbs. $\qquad$ Net 79.95 Alternator Nolse Filter for above Ranger Tape Recorder. 17 T 7422 Shpg. wt., 402, Net 1.25 Set of 2 Matched Lafayette Speaket Systems. 99 T 6299 Shpg. wt., 2 lbs.


## NEW! DELUXE RANGER 4 and 8-TRACK CAR STEREO TAPE PLAYER



Less Speakers No Money Down

All the features of the above fully automatic 4 and 8 -track tape player: Fine Tuning; Illuminated Channel Indicator Thumbwheel Controls; Electronic Program Selector; and an outstanding performing built-in FM radio. The tape cartridge opening is hidden by a functional Illuminated dial glass. When the cartridge is out, this unit looks and performs like a quality FM auto radio. Crisp, clear, static-free FM programming plays powerfully through dual ampll. fiers. An optional adapter permits this radio to recelve FM stereo broadcasts (see listing below). Insertion of the tape cartridge (either 4 or 8 -track) instantly converts the unit into a tape player and stereophonic music sweeps through the car. Specifications: Peak Audio Output: 20 watts; Impedance: 4 ohms; 19 Transistors; 4 Thermistors; Battery Drain: 75 amp .; Dual Tone Control. Size: $\mathbf{2 7} / \mathrm{ax}$ $71 / 8 \times 8{ }^{\circ \prime}$. Imported.
17 T 744 WX $\$ 6.50$ Monthly. Shpg. wt., 13 lbs. $\qquad$ Net 119.95 Stereo FM Adapter for above. 17 T 7433 Shpg. wt., 3 Ibs. above. Alternator Noise Filter for ab
1777422 Shpg. wt. 402. Net 29.95 Net 1.25 Set of 2 Lafayette Matching Speaker Systems. Net 99 T 6299 Shpg. wt., 3 lbs. Net 6.95

# 8-Track Car Stereo Tape Players and Accessories 

## NEW AUTOMATIC SCE-6804 SOLID STATE CAR STEREO TAPE PLAYER

## $79^{95}$

 Less SpeakersNo Money Down

## AM RADIO CARTRIDGE 24.95

FM RADIO CARTRIDGE 39.95

Slimline, compact car stereo tape player with built-in tabs for quick installation under dash. Includes new safety-type thumb wheel controls. Plays 8-track stereo tape cartridges, and 4-track cartridges with optional adapter. In addition, this exciting player is sonverted automatically into a hi-fi FM or AM radio receiver with the insertion of optional AM or FM radio cartridges. Features solid state circuitry. Dual push-pull amplifier delivers 8-watts output. For 12 V ., neg. ground cars. Size: $3 H \times 7 L \times 7 \sim D$. Imported. Shpg. Wt., 12 ibs. 17 T $2620 \mathrm{WX} \$ 5$ Monthly $\qquad$
Set of 2 Matching Speakers
99 T 6299 Shpg. Wt., 3 lbs. $\qquad$ Net 79.95 Net 6.95 Net 3.95 SOLID STATE PLUG.IN RMOID TUNER CARTRIOGES
AM RAOIO CARTRIDGE-5 seml-conductor devices. Slide tule llluminated dial. Imported. Shpg. wt., 1 ib.

## 17 T 26091

Net 24.95
FM RADID CARTRIDGE-8-transistor, 3-diodes, built-In AFC, slide rule Illuminated dial. Imported. Shpg. wL., 1 lb.
17 T 2617 \$5 Monthly
Net 39.95


Plays $4^{*}$ and 8 track cartridges, AM radio and FM radio

# "AUTOMATIC" SOLID STATE PLUG-IN FM STEREO RADIO TUNER CARTRIDGE 

For Complete Line Of "AUTOMATIC" Stereo Cartridge Car and Home Tape Players

Remarkable tuner cartridge permits listeners to enjor FM stereo oroadcasts through their "Automatic" Car or Home Tape Player. Stereo tuner cartriage is the same size as a regular s.track stereo tape cartridge. Features dial light for tuning at night, stereo light to indicate when stereo programs are being received, and AFC to prevent drift. Imported. Shpg. wt., 1 lb.
17 T 2616 L \$s monthly
Net 59.95


Only
5995
No Money Down

## NEW "AUTOMATIC" ECONOMY PRICED 8 TRACK STEREO TAPE PLAYER

- Mounts Easily in Cars, Trucks, or Boats
- Includes Mounting Bracket and $2 \mathrm{Hi}-\mathrm{Fi}$ Surface-Mount Speakers
- All Solid State Circuitry


Only

Plays 8-track tape cartridges instantiy. Fuliy transistorized-operates on any 12 -volf negative system. Comes complete with an under-dash mounting bracket and all necessary hardware.

Features attractive chrome front panel; thumo-dial controls; dual push-pull amplifier; manual or automatic channel selection, 10 transistors, 1 diode. Size: $3 H x 7 L x 7^{\prime \prime} D$. Imported. Shpg. wt., 8 lbs.
17T2619WX $\$ 5$ Monthly Net 49.95
Set of 2 Matehing Speakers
99 T 6299 Shpg. Wta, 3 lbs.
Net 6.35

## LAFAYETTE DUAL CHANNEL REVERBERATION SOUND SYSTEM FOR STEREO TAPE PLAYERS

## Only <br> 

With $6 \times 9^{\prime \prime}$ Speaker Grill, and All Connecting Cables
Greatly enhance your car stereo tape per. formance. You can add a third channel rever. beration output to your stereo tape player. For complete description and specifications. see detailed listiag on page 143 . For 12 -volt negative ground systems. Size: 74/4xi\$y $51 / 2=0$. Shipg. wt., $51 / 2$ lbs.
17 TD170
Net 29.95


# 8-Track Tape Cartridge Player and Accessories For The Car 



## NEW PANASONIC SOLID STATE 8-TRACK CAR STEREO TAPE PLAYER

- Play 8-Track Tape Cartridges And FM Stereo or AM Radio With Optional Radio Packs Handsomely styled, quality solid state 8 -track stereo tape player. Also accepts Panasonic FM stereo and AM radio packs... just insert the pack and it plays FM stereo, FM, or AM radio programs. Features: instant-on operation, automatic and manual channel selection, and channel indicator. Has separate volume, tone, and balance controls. Compact design fits most cars, new and oid. Frequency response: $70-10,000 \mathrm{~Hz} ; 4$ watts per channel. For 12 volt neg. systems. Shpg. wt., 10 lbs. Less speakers. Imported. 17 T 3084Wx $\$ 5$ Monthly ........................................... 99.95 17 T 3086 LM Stereo Radio Pack, Shpg. wt., 1 lb. ......... Net 59.95 17 T 3085L AM Radio Pack, Shpg. wt., 1 lb. ................ 29.95 Set of Two Lafayette Matching Speaker Systems 99 T 6299 Shpg. wt., 3 tbs. Net 6.95

NEW DELUXE 8-TraCK SOLID STATE CAR TAPE PLAYER With Built-In FM STEREO RADIO

$149^{95}$

Less speakers.

- For 12 -Volt Negative Ground Systems
Deluxe car stereo entertainment center. Quality 8-track player provides full, wide-range stereo tape reproduction from 8-track tape cartridges. Outstanding periorming stereo FM radio aliows you to enjoy full dimensional FM stereo radio broadcasts. Features FM stereo indicator light, balance control, tone control, and AFC button to prevent drift on FM. Specifications: Music Power Output - 12 watts; Frequency Response- $70-10,000 \mathrm{~Hz}$; Tape Soeed- $33 / 4$ ips; Dimensions- $71 / 6 \times 31 / 8 \times 85 /{ }^{600}$. Imported. Less speakers.
17 T 4600wX $\$ 8$ Monthly Shpg. wt., 18 lbs.
Net 149.95
Set of Two Lafayette Matching Speaker Systems
99 T 6299 Shpg. wt., 3 lbs.
Net 6.95
STEREO TAPE PLAYERS


Deluxe flush-mounting speaker with beautiful chrome grill. Ideal for use as an auto speaker or anywhere shallow depth is required. Full range speaker has heavy magnet and offers outstanding sound quality. Can also be used as a celling or wall mount speaker in your home. Imp., 8 ohms. Overall dia.: 61/4". Imported. Wt., 3 lbs. 99 T 0179 Net 4.44

2 for 7.99

## NEW LAFAYETTE SET OF TWO UNDER-DASH $3 \times 5^{\prime \prime}$ MATCHING SPEAKER SYSTEMS

Two- $3 \times 5^{\prime \prime}$ widerange ceramic speakers mounted in plastic housing will mount under dash, under seats, on kick panels, doors, or rear package shelf. Includes all necessary cables and mounting hardware. Imported Shpg. wt., 3 lbs .
99 T 6299
Net 6.95


NEW DELUXE SET OF TWO REAR DECK MATCHING SPEAKER SYSTEMS

- 5 Watts Peak Handling Power

Set of two powerful 4" speakers mounted in handsome ebony plastic cabinets with sliver trim. Specially designed to mount on car's rear deck. Can also be surface mounted anywhere. Provides outstanding sound reproduction. includes all necessary cables and mounting hardware.
99 T 6298 Shpg, wt., 4 lbs.
Net 9.95


LAFAYETTE CUSTOM IN-DOOR SET OF 4 SPEAKERS AND MATCHING GRILLES


## Ready for quick installation.

 improves the sound and performance of any car lape player. KIt includes: Four $41 / 4^{\prime \prime}$ extended range $8 \cdot 0 h \mathrm{~m}$ PM speakers; four round custom mount plastic speaker grills; all necessary hook-up wire' with solderless connectors; mounting hardware and easy-to-follow instructlons. Imported. Shpg. wt., 3 los. 99 T 6286Net 8.95
Nel 8.95

# Home 8-Track Tape Recorders and Players 

SONY-MATIC TC-8 "STEREO 8" CARTRIDGE RECORDER/PLAYER DECK

DELUXE ROBERTS 778X SOLID STATE STEREO INTEGRATED CARTRIDGE AND REEL RECORDER


- Records "Stereo 8" Cartridge From Reels
- Built-In Cartridge Erase
- 4-Track Stereo Reel to Reel Plus "Stereo 8" Track Combination Record And Play
Deluxe home instrument that records "Stereo 8 " cartridges for music in your car or home, plays stereo reel-to-reel tapes and records cartridges at the same time. Also features 4 track stereo/ monaural record and playback af 3 speeds- $17 / 0,33 / 4,71 / 2$ ips with cross Field heads; cartridge channel selector and liluminated track selector read-out indicators; 12 watt solid state stereo amplifier; two $4^{4 \prime}$ acoustic suspension speakers. Signal-to-Noise ratio: reel .50 db . cartridge -45 db Twin VU recording level meters. For 120 volt $50 / 60 \mathrm{~Hz}$. size: $15 \times 134 / 2 \times 91 / 2{ }^{\prime \prime} \mathrm{D}$. Imported. Shpg. Wt., 47 lbs , 27 T $5517 \mathrm{WX} \$ 79$ Monthly $\qquad$ Net 399.95
New Roberts Model 1725-8L III. Compatible 8-Track Cartridge and Reel to Reel Recorder - Same as Model 778 x but less built-in 8 . Track Cartridge erase, and crossfield heads. Size: $15 \mathrm{H} \times 131 / 4 \times 91 / 2-\mathrm{D}$. Imported. Shpg. wt., 34 ibs.
27 T5516WX
Net 339.95


## KINEMATIX SOLID STATE STEREO 4 AND 8 TRACK HOME TAPE CARTRIDGE RECORDER / PLAYER DECK

## 150 ft . 8-TRACK CARTRIDGE MYLAR RECORDING TAPE

Continuous loop 8-track cartridges containing 150 ft. of 1 Mil Mylar lubricated recording tape. fits all standard 8 -track recorders and piayers. With UNI-tension pressure pads, precision molded tape guider. Shpg. wt., 602. 28 T1031

Net 1.99


## 8 TRACK TAPE HEAD CLEANING CARTRIDGE

 A must for removing coating deposits from tape heads to restore high frequency response and volume. For use in any 8 -track player accepting 8 -track cartridges. Easy to use and reuse. Simply run the cartridge for a short period. 28 T 1292 Shpg. wt., 802.Net 1.49


## AUTOMATIC "GIDGET" 4 TRACK CARTRIDGE ADAPTER

 - Adapts 4 Track Tape Cartridge To Play On 8 Track Player Universal adapter that turns any 4 -track cartridge into an 8 -track cartridge. simply insert adapter into your 4-track cartridge - can easily be moved from cartridge to cartridge.17 T 2613 Shpg. wt., 602 . - Net 3.95


## CARRYING CASE FOR AUYO TAPE CARTRIDGES

Built-In Record Preamplifier

Records and Plays Back 4 and 8 Track Stereo Tape Cartridge thru the Amplifier and Speakers of your Home Hi-Fi System.
Select and record your own library of stereo 8 and 4 Track* car-
tridges with this exciting tape deck. Has built-in stereo record
preamplifier. Plugs into your home $\mathrm{Hi}-\mathrm{FI}$ system for recording or
playback. Features electronic record level indicator, Automatic foil
sensing stop circuit to prevent over recording - automatically
stops recorder at end of tape. Inputs: 2 for crystal or ceramic mike;
2 aux. for phono, tuner, or TV. Outputs: 2 high level. Frequency
Response: $50-12,000 \mathrm{cps}$ at $33 / 4 \mathrm{ips}$. Wow and Flutter less than $3 \%$.
Controls: program selector, level control, recording selector, re-
cording indicator light, record/play switch (at back of unit).
*4 Track Tape requires use of special adapter (see listing). Dim.:
$63 / 4 \times 91 / 2 \times 31 / 2{ }^{\prime \prime}$. Shpg. wt., 10 lbs.
17 T $6601 \mathrm{Wx} \$ 8.00$ Monthly
Net 149.95
17 T 26134 Track Cartridge Adapter-Wt., 6 02. _..........Net 3.95

# Stereo 8 Tape Cartridge Home Players 

## PANASONIC RE-7070 "THE SYMPHONY 8"' SOLID STATE FM/AM STEREO RADIO AND 8 TRACK STEREO TAPE CARTRIDGE PLAYER



- Matched Twin Speaker Systems
- FM Stereo Indicator Light Magnificent performing home entertainment center! Plays 8 -track stereo tape cartridges as well as your favorite FM stereo, FM, and AM broadcasts. Thrill to "concert hall" sound from 4 perfectly balanced speakers in separate enclosures. Radio section features: Black-out dial... Illuminating when it's on; separate Bass and Treble tone controls, stereo balance control, illuminated band selector, stereo indicator, AFC on FM, tuned RF stage for FM, phono input jack,


## PANASONIC "MUSIC MASTER 8" SOLID-STATE 8-TRACK STEREO CARTRIDGE PLAYBACK SYSTEM



- With Separate Matching Walnut Speaker Cabinets

Magnificent 8 track tape cartridge system for the home. Enjoy the convenience of continuous 8 -track cartridges. No tape threading. Delivers 16 watts peak music power for room-filling sound. Includes 2 separate decorator styled walnut speaker systems. Each contain a full range $61 / 2^{\prime \prime}$ speaker. Features pushbutton channel selector with Illuminated channel indicators, precision balance control, bass and treble control, and a stereo headphone jack. Specifications: Speed $33 / \mathrm{Ips}$, Freq. response $50 \cdot 12,000$ cps., 24 solid state devices. Dimensions control unit- $161 / 2 \mathrm{~W} \times 4 \mathrm{H} \times 9^{\prime \prime} \mathrm{D}$. Speakers- $8 / /_{3} \mathrm{~W} \times 8 \mathrm{Y}_{8} \mathrm{H} \times 88^{1} \%_{2}{ }^{\prime \prime} \mathrm{D}$. imported. Shpg. wt., 22 lbs.
17 Y 3054wx $\$ 7$ Monthly
Net 129.95
PANASONIC MODEL RSBOOUS: SOLID STATE 8-TRACK STEREO CARTRIDGE TAPE DECK. Similar to above, but less speakers and power amplifier. Plugs into existing Hi-fl amplifier or receiver. Dim:
 $161 / 2 \mathrm{Wx} 41 / 2 \mathrm{H}$
17 T 3053 WX

Net 79.95

## - Black-out Dial

- Pushbutton Channel Selector
plus built-in FM and AM antennas. 8-track cartridge player features pushbutton channel selector, headphone jack... requires no tape threading or rewinding. Speaker and control center in handcrafted rich walnut. 18 w music power. 41 solid state, devices. Size: Amp:
 Shpg. wt., 31 lbs.
17 1 3074wx $\$ 10$ Monthly
Net 199.95


## DELUXE! "AUTOMATIC" 8-TRACK SOLID STATE HOME CARTRIDGE STEREO CONVERTIBLE TAPE DECK



Fully Transistorized, 8 -track home cartridge player with bult-in dual pre-amplifiers. Plays all Stereo 8 track pre-recorded tape cartridges through any stereo amplifjer having an "rauxilliary" input jack. Also converts to an AM or FM ratio with optional solfd state piug-in AM or FM tuner cartridges (see below). Features visual channel indicator, and automatic or manual switching of channels. Tape speed: $33 / 4$ ips. Beautiful walnut wood and leatherette grained cabinet. Imported Size: $11 \mathrm{~W} 91 / 2 \mathrm{D} \times 41 \mathbf{y}^{\prime \prime} \mathrm{H}$. For $115 \mathrm{~V} ., 60 \mathrm{~Hz}$. AC. Shipg. wt., 14 Ibs. 17 Y2615WX $\$ 5$ Monthly Net 69.95

## PLUG-IN ACCESSORY TUNER CARTRIDCES

17 1 2609 L AM Tuner/Cartridge. Shpg. wt., 1 Ib $\qquad$ Net 24.95 17 T 2617 FM Tuner/Cartridge. Shpg. wt., 1 lb. Net 39.95


## 8.TRACK TAPE CARTRIDGE SYSTEM MAINTENANCE KIT



An all-in-one maintenance kit for your 8 track cartridge tape system ... keeps heads in top operating condition. Contains cleaner, lubricant, applicators, brush and convenient storage case. Simple operation with descriptive instructions. Brushes fit together to reach depths of player system. Ideal for all 4 and 8 track systems. Shpg. wt., $1 / 2 \mathrm{lb}$. 28 T 7801

# Cassette Players And Recorders For The Car NEW <br> "AUTOMATIC" MODEL ACS-6000 CAR CASSETTE STEREO TAPE PLAYER 

- Fast Foward And Fast Reverse Controls
- Push-In Front Loading Cassette
- Automatic Shut-Off
- For 12 Volt Negative Ground Systems

Enjoy the beautiful sound of stereo prerecorded cassette tapes wherever you go in your car. Custom designed for easy mounting under the dash. Features ultramodern, automatic front loading mechanism for simple, safe insertion and removal of cassette cartridges while drivlng. Tape player automatically shuts off and pushes cassette out for easy removal at end of tape. Also features fast forward or fast reverse operation. Speaker output is muted during rewind thereby eliminating garbled sound effects. Specifications: Plays all Phillips-type monaural or stereo prerecorded cassettes. Tape speed: 17/8 ips; 15 transistors, 1 diode; Output 8 watts; Freq. Response: $80-10,000 \mathrm{~Hz}$. Controls: Tone, Volume, Balance, Fast/Forward Rewind. Complete with mounting oracket and hardware. Size: $63 / 4^{\prime} \mathrm{W}$ W7" Dx 25 a $^{\prime}{ }^{\prime} \mathrm{H}$. Imported. Shpg. wt., 10 lbs.
17 T 2618WX $\$ 5$ Monthly $\quad$ Net 79.95 Set of Two $3 \times 5{ }^{\prime \prime}$ Matching Speakers. 99 T 6299 Shpg. wt., 3 lbs. .........Net 6.95


Only $79^{95}$ Less Speakers

No Money Down

## NEW SOLID STATE CASSETTE AUTOMOBILE STEREO TAPE RECORDER

## Plays 4-Track Stereo Records 2-Track Monaural

- For 12 -Volt Negative Ground Systems
- Push-in Front-Loading Cassette

Deluxe automobile tape recorder for playback of stereo cassette tapes as well as facillties for recording monaurally. Easy front loading insertion and re. moval of tapes. Push-button controls for record, fast forward, rewind, stop (reject). Power output: 1.5 watts per channel. Uses $A C$ bias, $A C$ erase recording system. Capstan drive at $17 / 8$ ips. Advanced solid state circuitry. Separate tone and volume controls. With dynamic mike and under dash mounting bracket. Im. ported. Size: $7 \times 9 \times 31 / 3^{\prime \prime}$. Less speakers. Shpg, wt.,
12 lbs .
17
T
$5600 \mathrm{wx} ~$ 6.50 Monthly ....................... 119.95 99 T 1540 Lafayette 60 min . tape cassette Net 1.35 Set of Two 3 $3 \times 5^{\prime \prime}$ Matching Speakers, 99 T 6299 Shpg. wt., 3 tbs.

Net 6.95
PANASONIC 7270 PORTABLE CAR AM-FM RADIO/CASSETTE RECORDER $99^{95}$ with Remote Control 120 Minutes on Cassette Tapes Mike and Batteries
A complete portable entertainment center for portable or car use. Listen to superb standard FM and AM broadcasts-or enjoy hour after hour of fine music by simply inserting, a pre-recorded cassette tape. You can also record your own music from the radno itself, or from an optional remote control mike. Recorder is easy to use - No tape threading. Features capstan drive-17/ ips. constant speed. Operates from any 6 or 12 volt car battery with accessory mounting bracket. or as a portable with 5 " $D$ " batteries (included). Features 6" dynamic speaker for rich hi-fi sound, Ferrite core and built-in telescopic whip antenna, continuous tone control, AFC on FM, 2 watt output, dial light and vernier tuning. 17 transistors and 10 diodes.
 17 T 3068WX \$5 Monthiy Net 99.95

| Stock No. | Description | $\begin{array}{ll} \hline \text { Shpg. } \\ \text { Wet. } \\ \text { Ea. } \end{array}$ |
| :---: | :---: | :---: |
| 17 T 3069W | Car Mounting Bracket with Lock | 4 lbs. 19.95 |
| 99 T 1540 | Lafayette 60 min . Tape Cassette | 202.1 .35 |
| 99 T 6256 | Extra " 0 " Batteries-5 req. | 202.15 |



# NEW! LAFAYETTE Pre-Recorded Stereo Cassette Tapes 



## STOCK

28 Y 410111812 Overture/Russian Eastern Overture/Polovetsian Dances/A Night on Bald Mountaln-Vienna Symphony Orchestra, Playing Time* 55:36.
28 T 4102 L Bolero/Espana Rapsodie/The Sorcerer's Apprenticè/ Afternoon of the Faun-Vienna Symphony Orchestra. Playing Time* 44:28.
28 Y 4103 L Beethoven:-Piano Concerto 5 (Emperor) Alfred Brendel Soloist, Pro Musica Orchestra, Vienna. Playing Time* 38:43.
28 T 4104L Tchaikovsky: Nutcracker Suite; Weber: Invitation to the Dance-Bamberg Symphony Orchestra, Playing Time* 31:06.
28 T4105L Rachmaninoff: Piano Concerto 2-Tchalkovsky: Piano Concerto 1-Felicja Blumental Soloist, Orchester Der Wiener Musikgesellschaft. Playing Time* 61:35
28 T 4106L Tchaikovsky: Symphony \#6 "Pathetique" Hollreiser, Con-ductor-Filarmonica Triestina. Playing Time* 44:00.
28 T 4107 L Grieg: Peer Gynt Sultes-Bizet: L'Arlesienne Suites, Bamberg Symphony Orchestra. Playing Time* 49:20,
28 T4108L Gershwin's Rhapsody in Blue-American in Parls-London Pops Orchestra. Playing Time* 30:79,
28 T 4109L. Hits from: My Fair Lady Camelot-GiGi Sound of Music -Hollywood Radio City Orchestra and Chorus. Playing Time* 26:35.
28 T4110L Hits from Oklahoma-South Pacific-King \& 1-Flower Drum Song-Hollywood Radio Clty Orchestra and Chorus. Playing Time 26:06.
28 T 4111 L Hits from Music Man-Can Can-Porgy \& Bess-Show-boat-Hollywood Radio City Orchestra and Chorus. Playing Tlme* 26:36.
28 T 4112L Around the World in 80 Days-Robert Flelding Orchestra. Playing Time* 27:22.
28 I 4113L Hollywood Strings Play Rogers \& Hammerstein, Playing Time* 28:46.
28 T 4114 L , Hollywood Strings Play Irving Berlin. Playing Time* $28: 19$.

## STOCK \# DESCRIPTIOM

28 T 4115 L Mardi Gras Time with the Dukes of Dixieland. Playing Time* 36:51.
28 T 4116 Percussion Espanol-Chartie Fox and Orchestra-Hoot Blues, Guajira, Holiday, Hollywood Cha-Cha, Minor Mambo, plus other selections. Playing Time* 28:18.
28 T 4117 L Big Band Percussion-Francis Bay and Orchestra-When Your Lover Has Gone, The Song is You, As Time Goes By, Bye-Bye Blackbird plus other selections, Playing Time* 27:14.
28 I 4118 Andre Previn Plays: I've Got A Feeling I'm Falling, Black and Blue, Gypsy Dance, Honey-Suckle Rose plus other selections. Playing Time* 25:54.
20 T 4119 L Herble Mann-Hi Flutin'-Herbie's Buddie; Perdido, Baubles, Bangles \& Beads, Give A Little Whistle, plus other selections, Playing Time* 32:17.
28 T 4120 Lohn Gary -New Singing Sensation-How Many Teardrops Must I Shed, One Last Night Together, How Can My Heart Forget You, Little People, plus other selections. Playing Time* 26:08.
21 14121 L Go Go Discotheque-The Kites-Stomp (Frug), No More (Jerk), Watusi Ball (Watusi), Monkey Mash (Monkey), Baby Love Me More Hully Gully), plus other selections. Playing Time* 24:38.
28 T 4122 L Great Movle Themes-London Pops Orchestra-Exadus, Around the Worlo in 80 Days, Picnic, Moulin Rouge, Merry Widow. Playing Tlme* 28:51.
28 T 4123 L Rock \& Roll Guitar-Rhythm Rocke'rs-Guitar Boogje, Moon Rock, $120 \mathrm{MPH}_{\text {, String Blues. Chick's Song. Picking and }}$ Rooking, plus other selections. Playing Time * 26:50.
28 T4124L Oancetime-Tribute To Glen Miller-Sleepy Town Train, In the Mood, American Patrol, Tuxedo Junction, Greensleeves, plus other selections. Playing Time* 26:40.
28 T 4125 L Under Paris Skies-Roger Leausand and his Club Lido Orchestra, Playing Time* 25:47.

- Includes Side A and B.


## SOLID STATE AM RADIO CASSETTE TUNER

 NEW!
## ONLY <br> $10^{95}$



- Converts Most Cassette Tape Recorders Or Players Into A Sensitive AM Radio Instantly Miniaturized solid state AM receiver circuit with self-contained battery (included). Same slize as any standard blank or prerecorded cassette. Take it anywhere, play it anywhere. Plays directly through the amplifier and speaker system of your Cassette recorder or player. High-impact break resistant case. Size: $4^{\prime \prime} \times 2 \frac{1}{2 \prime \prime} \times 3 / 8^{\prime \prime}$. imported. Shpg. wt., $1 / 2 \mathrm{lb}$.
28 T 2601 L Net 10.95
32 T 4693 Replacement 1.5 battery
Pkg. of 6 Net 1.62


## CASSETTE CARRYING CASE



- Holds Up To 12 Cassette Cartridges Attractive, compact, carrying case for Cassefte cartridges. Biack scuff vinyl with chrome trim, shoulder strap, and spring snap lock. Holds up to 12 cassettes. Dim.: $61 / 2^{-1} \times 51 / 2 " \mathrm{H} \times 3^{\prime \prime} \mathrm{D}$. Shpg. $\mathrm{wt}_{5} 1 \mathrm{lb}$. 28 โ 2701

Net 1.95

LAFAYETTE CASSETTE


30 MINUTE CASSETTE. Records and plays up to 30 minutes (2 tracks) at $17 / 8$ lps. Imported. Shipg. wt., 402.

## 9911572

$\qquad$
$\qquad$

(2 tracks) at 17/0 ips. Imported. Shpg. wt., 402
99 T 1540 Net 1.35
90 MINUTE CASSETTE. Records and plays up to 90 minutes (2 tracks) at $17 / \mathrm{ips}$. Imported. Shpg. wt., 4 oz. (2 tracks)
99 T 1560

$$
\begin{aligned}
& 60 \\
& \text { NITE }
\end{aligned}
$$

Net 2.20 (2 tracks) at $17 / \mathrm{ips}$. Imported. Shpg. wt., 402. 20 T 0121

Net 2.98

## CASSETTE TAPE HEAD CLEANER



Removes coating deposits from tape heads and restores both volume and high frequency response. For use in any player accepting cassettes. Simply run tape, impregnated with special formula, like regular tape cassette. Cleans in a couple of minutes. Can be reused many times. Shpg. wt.; 6 oz .
28 T 1601 $\qquad$ Net 1.29

## LAFAYETTE RECORDING TAPES

## LAFAYETTE'S FAMOUS MONEY-BACK GUARANTEE YOU BE THE JUDGE!

Lafayette's tape is made by outstanding nationally known manufacturers. it is first quality, splice free, red oxide coated, with full frequency response, uniform output and no "dropouts." Resistant to moisture, heat. cold and abrasion.

We guarantee absolute satisfaction or your money back. If for any reason vou are disiatisfied, return the tape at once and we will refund your money less only transportation charges. You are the sole judge.


## LAFAYETTE ACETATE BASE RECORDING TAPE

Acetate base magnetic recording tape with uniform standard red oxide coating provides wide range high fijelity response over the audio spectrum. Features noise free reproduction, low abrasion and uniform output. In 1 mil and $11 / 2 \mathrm{mil}$ thickness. Average shpg. wt., 1 lb.

| Stoch No. | Feet | neel | Mils | Wt. Ibs. | Net Per Feel |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 1-4 | 5.24 | 25 Up |
| 28 Y 0102 | 600 | 5" | 11/2 | $1 / 2$ | . 99 | . 90 | 85 |
| 28 T 0103 | 900 | 5 " | 1 | $3 / 4$ | 1.20 | 1.10 | . 99 |
| 28 T 0101 | 1200 | 7* | $11 / 2$ | 1 | 1.59 | 1.49 | 1.35 |
| 28 T 0104 | 1800 | 7* | 1 | $11 / 4$ | 1.98 | 1.88 | 1.79 |

## LAFAYETTE TENSILIZED MYLAR ${ }^{\text {®* }}$ TAPES

These tapes are of the same high quality as the standard acetate and mylar Lafayette tapes with the added advantages of the tensilized mylar base. Superstrong mylar is prestrelched and is highly resistant to breakage, mo sture, heat, cold and humidity. Highly polished, splice-free, quiet, non-abrasive finish. Smooth output throughout the entire audio spectrum. Tensilized mytar gives you the most permanent type of base and is therefore ideal for your most treas. ured recordings. All are $1 / 2$ mil, thus permitting the maxi mum amount of footage per reel. Individually boxed.

| Stock No. | Feet | Reel | mils | We. Ibs. | Net Per Peel <br> $1.4 \quad 5.24 \quad 25$ Up |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 28.0109 | 300 | $3{ }^{\prime \prime}$ | 1/2 | 1/4 | . 69 | 63 | 59 |
| 2810110 | 600 | 31/4" | 1/2 | $1 / 2$ | . 99 | . 90 | 81 |
| 2810111 | 1200 | 5 | 1/2 | 1 | 2.25 | 2.03 | 1.83 |
| 28 T0108 | 2400 | 7" | 1/2 | $11 / 4$ | 3.69 | 3.39 | 3,05 |

## LAFAYETTE MYLAR ${ }^{\text {®* }}$ BASE RECORDING TAPE

Mylar base is especially strong, durable and break resistant, and is virtually impervious to heat, cold or humidity. Ali in clear plastic reels, individually boxed. Average shpg. wt., 1 lb .

| Stock No. | Feet | Reel | Mils | Wt. Ibs. | Net Per Reel <br> $1.4 \quad 5.24 \quad 25$ Up |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $28 \mathrm{~T} 0105$ | 1200 | 5" | 1/2 | $3 / 4$ | 1.75 |  | 1.42 |
| $2810106$ | 1800 | 7" | 1 | 11/4 | 2.49 | 2.25 | 2.13 |
| 28 T0107 | 2400 | 7" | $1 / 2$ | $11 / 4$ | 3.10 | 2.79 | 2.51 |

## LAFAYETTE RECORDING TAPE FOR AUTOMATIC REVERSING TAPE RECORDERS

- Ideal for the Lafayette RK-920 and RK-960 Recorders

These tapes are specifically intended for tape recorders providing automatic reversing of tape. Each tape has a green color coded leader, a red color coded trailer, and a metal sensing strip at each end to activate the automatic reversing mechanism in tape machines having this feature. This tape may also be used on machines which do not reverse tapes. This supert tape is of the same excellent quality, provides all of the features, and carries the same money-back guarantee as the other Lafayette recording tapes on this page. Average Shpg. Wt., 1 lb .

| Stock No | Feet | Reel | Description | Net Per Reel |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | 1-4 | 5.24 | 25 UP |
| 28 T0116 | 1200 | $5{ }^{\prime \prime}$ | 1/2 mil mylar | 1.99 | 1.84 | 1.67 |
| 2810117 | 1200 | $7{ }^{\prime \prime}$ | $11 / 2 \mathrm{mil}$ acetate | 1.84 | 1.73 | 1.62 |
| 2810118 | 1800 | 7" | 1 mil mylar | 2.69 | 2.54 | 2.39 |
| 28 T0119 | 2400 | $7{ }^{\prime \prime}$ | 2/2 mil tens mylar | 3.84 | 3.62 | 3.25 |

- Mylar is the registered DuPont trademark for tts polyester film.

ROBINS "SONORAMIC 99"
ECONOMY TAPE MULTI-PAKS

## ROBINS BRAND <br> CORRESPONDENCE TAPE WITH REUSABLE MAILING CANISTERS

ANY PACKAGE OF 2, 3, 4, or 6 REELS OF TAP'

| Stock No. | Tapes per Pkg. | Reel Size | Feet Per Reel | Mil | Material |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 28 T 7174 | 4 | 3" | 150 | 11/2 | Acetate |
| 2817175 | 6 | 2" | 75 | $11 / 2$ | Acetate |
| 28 T 7176 | 3 | 3" | 225 | 1 | Acetate |
| 2817177 | 4 | 2" | 110 | 1 | Acetate |
| 2817178 | 2 | 3** | 250 | 1 | Polyester |
| 2817179 | 3 | 21/2" | 150 | 1 | Polyester |
| 2817180 | 3 | 21/2" | 200 | 1/2 | Polyester |
|  |  |  |  |  | Double Play |
| 28 T7181 | 2 | 21/2* | 350 | 1/2 | Polyester |
| Avg. shpg. | wt., 8 | O2. |  |  | Triple Play |

TB. 15 CARDBOARD TAPE MAILING BOXES. FOR reels to $31 / 4^{*}$ Pkg. of 15. Shpg. wt., 6 oz 28 T 7158

Net. 75


The best quality recording tace for tape correspondence, sup-
 piled with reusable mailing canister and two-sided address card. Avg. shpg. wt., 8 oz . All are $3^{\prime \prime}$ reels except " $33^{\prime \prime} 4^{\prime \prime}$ ).

| No |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| 28 17112 | 150 | 12/2 | Actetat |  |
|  |  |  |  |  |
| 28 T 7184 |  |  |  |  |
| 28 T 7185 |  |  |  |  |
| 29 T 7195 | 450 |  |  |  |
| 28 | 600 |  |  |  |
| RMC- 6 PLASTIC MAILERS. 6 Impact resistant plastic bores for up to $31 / 4^{\prime \prime}$ reels. With 2 sided address cards. Shpg. wt., 5 oz. 28 T 7156 $\qquad$ Net .99 |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| TMC. 30 DCUBLE SIOED ADORESS CARDS. FOR RMC-6 Ma lers. Pkg. of 30. <br> 28 T 7157 Shpg. wt., 3 oz. $\qquad$ Net .75 |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

## "MICROMEDIA 25" LONG PLAY TAPE



- Records Four Times More Than Ordinary Tape

An ultra-thin recording tape with a heavyduty high-density magnetic coating on $1 / 4$ mil tensilized polyester base. Outstanding performance with capstan-drive recorders.
1200 Ft. on $31 / 4^{* *}$ Reel. Greatly extends recording time of $34 / 4^{\prime \prime}$ battery operated recorders. Record 4 hours (2-tracks) at $17 / 8$ ips; 2 hours at $33 / 4 \mathrm{lps}$. Shpg. wt. 1202. 2816400

Net 4.25
2300 Ft. on $5^{\text {² }}$ Reel. Records 8 hours (2. tracks) at $17 / 4 \mathrm{ips} ; 4$ hours at $33 / 4$ ips. Comes on low-torque, large hub $5^{\prime \prime}$ reel and with similar additional blank reel. Shig. wt., $11 / 2 \mathrm{lbs}$.
28 76401 Net 7.95
4800 Ft. on $7^{\prime \prime}$ Reel. Records 16 hours (2 tracks) at $1 \%$ ips; 8 hours at $3 y / 4 \mathrm{ips}$. Comes on low-torque, large hub $7^{\circ \prime}$ reel with similar additional blank reel. Shpg. wt., 2 tbs. 28 T 6402

Net 14.95
Norelco Type Cassette. Same $1 / 1 \mathrm{mil}$ tape in Cassette. Records 2 hours ( 2 track) at $17 / \pi$ ips. In self-mailing box. Shpe. wt.. 4 oz. 28 I 6403 $\qquad$

# Scotch RECORDING TAPE AND ACCESSORIES 

TYPE 111 STANDARD TAPE- $11 / 2$ Mil Acetate Coated with red oxide. Popularly used for high fidelity all purpose recordings. On plastic reels except *MARTB metal reels. Av. shpg. wt., 802 . ea,

|  |  |  | Net Each |  |  |
| :--- | :--- | :--- | :---: | :---: | ---: |
| Stock No. | Type No. | Reel | Length Feet | 1.11 | 12 Up |
| 26 T 3304 | 111.1 .5 | $3^{\prime \prime}$ | 150 | .47 | .42 |
| 28 T 3305 | 111.3 | $4^{\prime \prime}$ | 300 | 1.07 | .96 |
| 28 T 3306 | $111-6$ | $5^{\prime \prime}$ | 600 | 1.50 | 1.35 |
| 28 T 3307 | 111.12 | $7^{\prime \prime}$ | 1200 | 2.34 | 2.10 |
| 28 T 3308 | $111-25 H$ | Hub | 2500 | 5.23 | 4.71 |
| 28 T 3309 | $111-25 R^{\circ}$ | $1012^{\prime \prime}$ | 2500 | 7.20 | 6.48 |

TYPE 190 EXTRA.PLAY TAPE- $50 \%$ more playing time on standard size reels. I mil acetate base. All on plastic reel except "NARTB aluminum reel. Avg. shpg. wt., 12 oz.

|  |  |  | Met Each |  |  |
| :--- | :--- | :--- | :---: | :---: | :---: |
| Stock No. | Type No, | Reel | Length Feet | $\mathbf{1 . 1 1}$ | 12 Up |
| 28 T 3310 | 190.9 | $5^{\prime \prime}$ | 900 | 2.34 | $\mathbf{2 . 1 0}$ |
| 28 T 3311 | 190.18 | $7^{\prime \prime}$ | 1800 | 3.67 | 3.30 |
| 28 T 3312 | $190.36 R$ | $1042^{\prime \prime *}$ | 3600 | 8.53 | 7.68 |

TYPE 282 SANDWICH TAPE- $11 / 2 \mathrm{Mil}$ polyester. Features micro thin protective layer over oxide coating lasts up to 30 times as long as standard tapes. Reduces head wear and tape recorder mainte. nance. Av. shpg. wt., 10 oz .

|  |  |  | Net Each |  |  |
| :--- | :--- | :---: | :---: | :---: | ---: |
| Stock No. | Type No. | Reel | Length Feet | 1.11 | 12 Up |
| 28 T 3313 | 282.6 | $5^{\circ \prime}$ | 600 | 2.07 | 1.86 |
| 28 T 3314 | 282.12 | $7^{\prime \prime}$ | 1200 | 3.30 | 2.97 |

TYPE 201, 202, 203 "DYNARANGE" SERIES Designed primarily for protesslonals, but now available for home recording. Permits slower speeds without loss of fidelity. Low nolse level, long wear. Ideal for toanscribing. Shpg. wt., 1 lb .

| Stock No. | Type No. | Base | Reel | Lgth. Ft. | Net Each |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 1.11 | 12 Up |
| 28 T 3337 | 201.6 | 1.5 Mil Acet. | 5" | 600 | 1.87 | 1.68 |
| 28 T 3335 | 201.12 | 1.5 Mil Acet. | 7"' | 1200 | 2.93 | 2.64 |
| 28 T 3338 | 202-6 | 1.5 Mil Poly. | 5" | 600 | 1.90 | 1.71 |
| 28 T 3339 | 202.12 | 1.5 Mil Poly. | 7" | 1200 | 3.40 | 3.06 |
| 28 T 3340 | $203-9$ | 1 MII Poly. | $5^{\prime \prime}$ | 900 | 2.83 | 2.55 |
| 28 T 3336 | 203-18 | 1 Mil Poly. | 7" | 1800 | 4.90 | 4.41 |

## SCOTCH CASSETTE CARTRIDGES

For use with Norelco 150, 350, Wollensak 4100, and all other tape recorders using the Norelco-type cassette cartridge. In reusable hinged plastic mailer. Shpg. wt., $60 z$


Type 271 (C60) 60 minutes recording (2 Tracks) at $17 / 6$ ips. 28 T 3341

Lots of 12 . ea. 2.56
rype 272 (C90) 90 minutes recording 2 Tracks) at 17\% ips. 28 T 3345

Lots of 12, ea.
Singly, ea.
4.28
Type 273 (C120) 120 Minutes recording
(2 Tracks) at $1 \%$ ips.
28 T 3345
Lots of 12, ea. 4.27 Singly, ea. 4.81


## "LIVING LETTERS" TAPE IN PLASTIC MAILERS

$3^{\prime \prime}$ reels providing $1 / 4,1 / 2$ or 1 hour recording. $150^{\circ}$ of $11 / 2 \mathrm{mil}$ acetate tape per reel. Others are $1 / 2 \mathrm{mll}$ tensilized polyester, All tape sizes are fumished in convenlent hinged plastic mailers designed for postal treatment and meeting all post office standards. Shpg. wt., 50 z.

|  |  |  | Net Each |  |
| :--- | :--- | :---: | :---: | ---: |
| Stock No. | Type | Lgth. FL | 1.11 | over 12 |
| 28 T 3342 | $111-1.5 \mathrm{LL}$ | 150 | .60 | .54 |
| 28 T 3343 | 200.3 L | 300 | 1.23 | 1.11 |
| 28 T 3325 | 290.6 L | 600 | 1.97 | 1.77 |

$=11$ ADDRESS LABELS FOR LL MAILING CONTAINERS. Package of 10 additional pressure-sensitive adhesive address labels for "Living Letters" plastic mailing boxes. Shpg. wt. 3 oz.
28 T 3344
Lots of 12, Ea. . 29 Singly, Ea. . 33
80 Lafayette Cat. No. 690

TYPE 150 EXTRA.PLAY TAPE-1 MII extra strong Polyester base high fidelity tapes. Withstands high tension and break resistant. All plastic reels except *NARTB aluminum reel. Avg. shpg. wt., 12 oz.

|  |  |  | Net Each |  |  |
| :--- | :--- | :---: | :---: | :---: | ---: |
| Stock No. | Type No. | Reel | Length Feet | $\mathbf{1 . 1 1}$ | $\mathbf{1 2}$ Up |
| 28 T 3316 | $150-9$ | $5^{\prime \prime}$ | 900 | 2.40 | 2.16 |
| 28 T 3317 | 150.18 | $7^{\prime \prime \prime}$ | 1800 | 4.13 | 3.72 |
| 28 T 3318 | $150-36 \mathrm{R}^{\circ}$ | $10 \frac{122^{\prime \prime}}{}$ | 3600 | 9.57 | 8.61 |

TYPE 120 HIGH OUTPUT TAPE-Acetate base recording tapes of $11 / 2$ mil thickness. Provides 8 to 12 db higher output than standard types. On plastic reel. Avg. shp. wt., 1401

|  |  |  | Net Each |  |  |
| :--- | :--- | :---: | :---: | :---: | :---: |
| Stock No. | Type No. | Reel | Length Feet | 1.11 | 12 Up |
| 28 T 3319 | 120.6 | $5^{\prime \prime}$ | 600 | 1.50 | 1.35 |
| 28 T 3320 | 120.12 | $7^{\prime \prime}$ | 1200 | 2.34 | 2.10 |

TYPE 200 TENSILIZED-Tensilized Polyester . 50 mil tapes. Provides twice as much playing time as the 1.5 mil standard tape. Stronger and more durable than usual long-play tapes. On plastic reel. Avg. shpg. wt., 12 oz .

|  |  |  | Net Each |  |  |
| :--- | :--- | :--- | :--- | ---: | ---: |
| Stock No. | Type No. | Reel | Length Feet | 1.11 | 12 Up |
| 28 T 3323 | $200-12$ | $5^{\prime \prime}$ | 1200 | 3.63 | 3.27 |
| 28 T 3321 | 200.24 | $7^{\prime \prime}$ | 2400 | 6.33 | 5.70 |
| 28 T 3322 | $200-48 R P S$ | $1042^{\prime \prime}$ | 4800 | 14.67 | 13.20 |

TYPE 290-1/2 Mil polyester tensilized tape super strong 50\% extra playing time has silicon lubricant to give minimum of friction wear.

| Stock No. | Type No. | Reel | Length Feet | 1.11 | Net Each |
| :--- | :--- | :---: | :---: | :---: | :---: |
| 28 T 3324 | 290.18 | $5^{\prime \prime}$ | 1800 | 4.63 | 4.17 |
| 28 T 3326 | 290.36 | $7^{\prime \prime}$ | 3600 | 7.97 | 7.17 |

TYPE 175 TENZAR-1 $1 / 2$ Mil tenzar coated with a high potency oxide, offers 16 times greater tear resistance than acetate backing. For continuous play. fast stops and starts non-drying silicone lubricated to protect recorder heads. Avg. shpg, wt., 1002.

|  |  |  | Net Each |  |  |
| :--- | :--- | :---: | :---: | :---: | :---: |
| Stock No. | Type No. | Reel | Length Feet | 1.11 | 12 Up |
| 28 T 3327 | $175-6$ | $5^{\circ \prime}$ | 600 | 1.60 | 1.44 |
| 28 T 3328 | $175-12$ | $7^{\prime \prime}$ | 1200 | 2.50 | 2.25 |

## TAPE CARTRIDGES



TYPE 270 ( $\mathrm{M}-2$ - - For Revere selt-changing recorders. 560, plays 45 minutes stereo 90 minutes mono. TYPE 8000 -Quick-load cartridge for other cartridge recorders. $560^{\circ}$. plays 1 hour stereo, 2 hours mono. Avg. shpg. wt., 12 oz

|  |  | Net Each |  |  |
| :--- | :---: | :---: | :---: | :---: |
| Stock No. | Type | Lgth. Ft. | 1.11 | over 12 |
| 28 T 3333 | 270 | 560 | 4.28 | 3.90 |
| 28 T 3334 | 8000 | 560 | 3.00 | 2.70 |

## SCOTCH RECORDING ACCESSORIES

Pressure-sensitive tape made especlally for splicing and editing magnetic tape. Avg. shpg. wi., 302
SCOTCH $41-1 / 2 \mathrm{~S} \quad 1 / 2 \times 50^{\circ}$. On dispenser.

SCOTCH $41-1 / 3 L^{L}$ T/82 $\times 66^{\circ}$. Less dispenser.
Lots of 12. Ea, . 51 Singly, Ea, . 57 SENSING TAPE
Type 51 7/32S -To actuate automatic stop and reverse on recorders so equipped. $150^{\prime \prime}$ long $\times 1 / 2^{\prime \prime}$ wide. One side foil, other adhesive. Shpg. wt., 402.
28 「 3315
Lots of 12, Ea. 1.70 Singly, Ea. 1.89

## LEADER-TIMER TAPE

TYPE 24-1W-Has 1 second interval markings for $71 / z^{\prime \prime}$ and $15^{\prime \prime}$ per second speeds, 100 ft . $1 / 4^{\prime \prime}$ wide roll. Individually boxed. 50 oz.
28 T 3332
Lots of 12, Ea. . 54 Singly, Ea. . 60

## 7* SELF-THREAOING REEL

TYPE PRST-7-Just lay recording tape inside and start recorder.
Threads automatically. Snap-tight collar seals edges against dust. Shpg. wt., 801.
28 T 3331
Lots of 12, Ea. . 90 Singly, Ea. 1.00
Buy Tapes in Quantity with Lafayette's Easy Pay Plan

# LAFAYETTE Recording Accessories 



## LAFAYETTE TAPE SLICER


$2^{39}$

## - Two Operations-Cuts \& Trims

- Clean Splices in Seconds
- For Monaural or 2 and 4-Track Stereo
- Splicing Tape Supplied

A sturdy precision Instrument for profession al use In all splicing and editing appilca. tions. Glves clean, quick cuts on all tapes without losing a significant portion of the sound track. Splicing tape fed from below wIII not foul and waste tape. Sharp long lastIng biades provide trouble free operation. A must for professionals and demanding audlo must for professionars and demandiga | hobbyists. |
| :--- |
| 28 |
| 0905. | $\qquad$

Replacement spllelng tape for above.
25 T 0006 Shpg. wt., 202.
Net 30 TELEPHONE PICKUP FOR

CRADLE OR UPRIGHT PHONES


Induction telephone pick-up for cradle or upright phones. Simply place phone base on plckup and connect leads to high impedance input of an audio amplifier or directly to a tape recorder. Imported. Shpg. wt., 802. 99 T1034

Net 1.49

## LAFAYETTE TAPE HEAD DEMAGNETIZERS OELUXE MDDEL WITH 3 REMOVABLE POLE PIECES



Has 3 complete sets ef removable pole pieces: straight, $45^{\circ}$ and $90^{\circ}$ for quick.easy use with any tape head. Removes magnetism that accumulates in every tape head insuring optimum signal-to-noise ratio. For 110 VAC 60 Hz Shpe, wt.. 1 ib.
28 T0903
Net 3.55

## MODEL WITH SWITCH



Pencil shaped head demagnetizer with one extending probe. Styling allows you to reach all heads in all positions. Feature; switch control...no need to leave unit on constantiy. Turn on when needed and off to congerve unit's life. Operates on standard 110-120 VAC 60 Hz Imported. Shpg. wt., 1 lb. 9971333

Net 2.49

## RECORDER TEST TAPE



Chechs speed, timing, wow and flutter. For 71/2 IPS. Accurate within $1 / 10$ of one percent. Shpg. wt., 602. 28 T 5001

## TAPE CLEANER

1

## 88

Tape is impregnated with special formula cleaner. Simply run through like regular roll of tape. Entlre job done in 2 minutes. Can be reused many times. $100^{\prime}$ roll on $5^{\prime \prime}$ ree. Shpg. wt., 802. 28 T 2001

Net $1 .{ }^{3}$
28 T $20023^{\prime \prime}$ Reel Net .99

## 1200 FT. LEADER TAPE ON 7 INCH REEL

- For Lafayette brings you this jumbo reel of leader tape Indexing and Cueing a tremendous savings over the cost of leader tape customarily available in 100 tt . quantities, $14 / 2 \mathrm{mil}$ mylar tape. $1200 \mathrm{ft} \times 1 / 4^{*}$ wide on $7^{\prime \prime}$ clear plastic reusable reel. Individually boxed, Shog. wt., 1 lb. 2817701

TELEPHONE PICKUP COIL


Designed to feed into the microphone input of a tape recorder or any high gain ampllfier. Easily attached to the telephone by rubber suction-type attachment. Imported. Shpg. wt., 6 oz .
9976197
Net 1.18

## LAFAYETTE DYNAMIC $1 \mathrm{kHz} \& 10 \mathrm{kHz}$ GENERATOR



- For Bias Adiustments And Azimuth Alignment
An essēntial transistorized instrument for the serious minded tape recondist who demands peak performance of his tape deck or recorder. The 1000 Hz signal adjusts the bias in recorders hawing such adjustments to provide improved performance, particularly with reference to the brand and type of lape used. The 10 kMz signal aligns the azimuth of the recording head. Puts out at least 1 volt with frequency tolerance of $\pm 1 \%$, $5 \%$ distortion, and 50 ohm output impedance. 4 ft . cabies with phono plug terminations. Self-power by 9 V . battery. (Not supolied). $34 / 2 \times 14 / 2 \times 13 / 4{ }^{\prime \prime}$.
99 I 1549 Shpg. wt., 1 to $\qquad$ Net 14.95
99 T 60219 V . battery for above ... Net . 21


# GIBSON GIRL® TAPE SPLICERS AND TAPE RECORDING ACCESSORIES 


(A) TK-9 COMPLETE TAPE EDITING WORK. SHOP. Two tape winders and Deluxe Stereo Tape Splicer with Splicing Tape. Handles reels up to 7". Sturdy walnut grained base has Calibrated Tape Timing and Editing Scale. FREE Editing Pencil and Tape Editing Guide Book included. Size of workshop: 7" 14" $\times 51 / 2^{\prime \prime}$
28 T 7106 Wt. 2 lbs.
Net 14.39
(B) TS-AD DELUXE STEREO SPLICER. Precision diagonal cut and "Gibson Girl" trim at sides of splices. "See-lhru" windows show "Cut" and "Trim" positions. Tape guide and fingers secure tape. Integral tape dispenser has $100^{"}$ roll of $1 / 2^{*}$ Spllcing Tape. Replaceable cutter pad and blades. Blade centering adjustment provided for lifetime accuracy. of super-strong Cycolac. Instructions. Wt. 1 lb.
28 I 6009
Net $\$ 7.79$
(C) TS.7S STANDARD "STEREO" SPLICER Precise cut and "Gibson Girl" trim. "See. thru" windows show operating positions. Dis penser with $3 / 8^{\prime \prime} \times 100^{\circ}$ Splicing Tape. Made of plated steel and plastic. 28 T 7141 Wt. 12 oz. Instructions. Net 5.99

TS.7J JUNIOR STEREO SPLICER. (Not illus.) Same as TS-7S, less dispenser and tape. Uses 3/8" tape.
28 T 7142 Wt. 802. $\qquad$ Net 4.89
(D) TS. 6 DELUXE "CUT-N-SPLICE". Cuts tape at $30^{\circ}, 45^{\circ}$, or $90^{\circ}$. 25 self-stick Splicing Patches included in bulit-in tray of splicer. Wt. 502.
28 T 7086
Net 2.99

## (E) TM-2 MAGNETIC TAPE EDITING PEN. Erase

 single sounds, noise, etc., from recorded tapes. Fade in and fade out sounds. Wt. 302.28 T 7154
Net 1.25
SPLICING TAPE. "Mylar." Wt. ea. 2 oz. (Not illus.)

| Stock No. | Type | Width Length | Net |
| :---: | :---: | :---: | :---: |
| 28 T 7088 | TST-235 | $1 / 4^{\prime \prime} \times 300{ }^{\text {c }}$ | . 69 |
| 2877089 | TST-376 | 3/8" $\times 275^{\prime \prime}$ | 69 |
| 28.7090 | TST-501 | 1/2** $\times 250^{\prime \prime}$ | 69 |
| 28 T 7091 | TST.751 | $3 / 4^{\prime \prime} \times 150^{\prime \prime}$ | 79 |

TST-233 Pkg, of 75 Self-Stick Patches for TS-6, TS-5 Splicers.
28 T7092

TT-240 COLOR-CODE SPLICING PATCHES. (Not illus.) 12 each of 6 colors, Orange, Yellow, Green, Blue, Red, and White. Splice color Patches between recorded subjects on reel for easy identification.
28 T 7113 Shpg. wt., 302. $\qquad$ Net .99

TSP-50 SENSING AND CUEING PATCHES. (NOt illus.) Aluminum foil patches, $1 / 4^{\prime \prime}$ wide $X$ $3 / 4^{*}$ lengtns. For recorders with automatic stop and reverse control and other electrical sensing devices. Package of 50.
28 T 7115 Shpg. wt., 302.
_ Net 1.05
(F) TK-8DLX DELUXE TAPE ACCESSDRY KIT. Contains TS-8D Deluxe Splicer, Splicing Tape, Tape Threader, 2 oz, bottles of Head Cleaner and Head and Guide Lubricant, Tape Clean. ing Cloth, Tape Clips, Reel Title Labels, Reel Hoiders, and Tape Editing Guide Book. 28 T 7044 Shpg. wt., $11 / 2 \mathrm{lbs}$._ Net 11.99

TK-21 STARTER TAPE EDITING KIT. (Not lillus.) Easy to use Splicer has self-sfick backed plastic tape guide for mount 10 recorder and cutting blades. Includes roll of Splicing Tape and Editing Pencil. 28 T 7144 Wt. 6 oz. Net 1.75

(G) TK-19 PAPE EDITORS KIT. Contains: TS. 5 "Cut-N-Splice" metal Tape Splicing Block, 25 self-stick Patches, 3 Editing Pencils, and Tape Editing Guide Book. Wt. 802.
28 T 7143
Net 2.69
TS-5 "Cut-N-Splice" metal Tape Splicing Block and 25 self-stich Patches, only. Wt. 501.

Net 1.99
28 T 7087
(H) TRP- 2 PHONE PICK-UP. Fastens to phone by suction cup. 5 ft . cable has stripped ends to attach connector to fit recorder. Wt. $6 \mathbf{0 1}$. 2877094 Net 1.99
COLOR-COOING ACCESSORIES, Quick, easy identification and indexing of your tape library by category, l.e.: Red-Jazz, Blue-Classical, etc.
(J) TK-1 COLOR-CODING TAPE LOG KIT. Catalog your tape library in a professional and decorative way. Color code indexing by title, artist, category. Kit contains: 120 page col-or-indexed log Book, 240 Title Labels, 72 Tape End Tabs, 48 Numbered Cueing and Indexing Spots, 30 Box Ends, all self-stick and in 6 basic assorted colors, and Pen. (Tape boxes not included). Wt. $11 / 4 \mathrm{lbs}$. boxes not
$28 T 7145$

Net 4.98

TT-245 COLOR-CODING END TABS. (Not lllus.) Self-stick for application to end of tapes. Prevents tape unwinding on reels and provided quick Identification. 12 each of 6 colors, Red, Blue, Orange, Green, Yellow, and White. Wi., 3 oz.
28 T 7146
Net .69
TT-248 COLOR-CODING INDEX AND CUEING SPOTS. (Not illus.) Self-stick, numbered 1 to 8. 8 each Red, Blue, Orange, Green, Yellow, and white. Apply to tapes to identify sub. lects. Shpg. wt., 2 oz.
28 T 7147
Net .99
TL. 240 COLOR-CODE TITLE LABELS, (Not Illus.) $2^{-} \times 1 / 2^{\prime \prime}$ self.stick, 40 each Red, Blue, Green, Yellow, and White. Write or type on them. 3 oz .
28 T 7150 $\qquad$ Package of 240
$\qquad$ Net 1.05 Tl.1ad White reel title lagels. (Not illus.) Self-stick, $2^{*} \times 1 / 2^{*}$ labels. Package of 108. 3 oz. 28 17151

Net .85
TT-100C CLEAR LEADER TAPE, (Not illus.) 100 ft. $21 / 2^{*}$ reel. Wt. 301.

SKA-2 DELUXE TAPE EDITING ANO CARE KIT. Essential tape accessories for the recordlst permit better recorder and tape care. Contains TS.7J Stereo Splicer; Splicing Tape; Head Demagnetizer; 75 Tape Clips; 2 02. bottle of Head Cleaner; 2 oz bottle of Head and Guide Lubricant; 240 Self-stick Titie Labels in 5 colors: 3.7* reels of Brand Five Recording Tape, each $1200^{\circ} 1.5 \mathrm{mil}$ acetate 7" Take-up Reel; 4 Tape Storage Boxes for 7" tapes; and Tape Editing and Splicing Guide Book. All in handy Vinyl Attache Case. $31 / 4 x$ $16 \times 11^{\prime \prime}$.
28 T $7190^{\circ}$ _Shpg. wt., $71 / 2$ lbs. . Net 19.95

TL. 5 COLOR-CODING BOX ENDS. (Not illus.) Code contents, index, reinforce lids, hinge separate boxes, and add decor. 5 each, Red, Blue, Orange, Green, Yellow, and White. Selfstick. Wt. 502.
28 T 7148 _.... Package of $30 \ldots$ Net 1.49 TT. 16 COLOR-CODING LEADER TAPES. (NOt illus.) Reinforce tape ends. Color code subjects, index between recordings. 100 ft . each. Red, Blue, Yellow, Green, and White. Wt. 140 OZ .

Net 2.49

## RoBINS INFORMATIVE BOOKS FOR RECDRDISTS

TE-24 "TAPE EDITING AND SPLICING GUIDE." 10 T 7601 Shpg. wt., 302 . Net. 29 (K) TE-96 "WHAT YOU SHDULD KNDW ABOUT YOUR RECORDER." All about care and use. 10 T 7603 Shpg. wt., 402.

Net .75
(L) TE-127 "TAPE RECORDING THE SOUNDS of YOUR LIFE." Covers recording techniques. 10 T 7604 Shpg. wt., 4 oz.

Net .95 (M) TE-129 "HOW TO GET THE MOST OUT OF YOUR RECORDER,"
10 T 7605 Shpg. wt., 402
Net .95
SKA-1 ECONDMY TAPE EDITING AND CARE KIT (Not lllus.) This special selection of tape recording accessories for superior recording performance. Contains these accessories: Cut-N.Splice Tape Splicer; Splicing Tape; 75 Tape Clips; $7^{\circ}$ Reel of $1200^{\circ} 1.5 \mathrm{mil}$ acetate Brand Five Recording Tape; 7 Take-up Reel; 6 Storage Boxes for $7^{\prime \prime}$ tapes; 2 oz. bottles of Head Cleaner and Lubricant, all in a convenient Vinyl Attache Case. $31 / 4 \times 16 \times 11{ }^{\prime \prime}$. Shpg. wt., $51 / 2 \mathrm{lbs}$.


R


MAGNETIC BULX TAPE ERASERS. Erase tapes in seconds to below normal erase head level. Also erase sound from magnetic stripped 8 and 16 mm film. All units 110.120 V. 50.60 Hz A.C.
(N) TM-99 PROFESSIONAL BULK ERASER. FOR tapes to $1 / 2^{\prime \prime}$ wide on reels to $101 / 2^{* \prime}$. Era. sure 3 to 6 db below normal erase head level. $5 \mathrm{y}^{\prime \prime} \times 6 \mathrm{~m}^{\prime \prime} \times 3 \mathrm{y}^{\prime \prime}$
28 T 6024 UL Listed. Wt. $82 / 2 \mathrm{lbs}$. Net 28.50
(0) TM-71 DELUXE BULK ERASER. For tapes $1 / 4^{-}$wide to $7^{\prime \prime}$ dia. Erasure 2 to 4 db below normal erase head level. Size: 23" " $x$ $31 / 4^{-1} \times 61 / 4^{-\prime}$
28 T 6025 Wt. 5 lbs. ...........Net 15.89
(P) TM 88 HANO HELO ERASER. Erase $1 / 4$ tapes on any size reel by moving unlt over each side of reel. Also demagnetize guide posts, capstans, flywheels. Size: $4^{\prime \prime} \times 21 / \mathbf{y}^{\prime \prime} \times$ 41/4". Wt. 4 lbs.
28 T 1152 $\qquad$ Net 10.49
TG 4 TAPE THREAOER. (Not Illus.) Easy threading of tape on any reets. 28 T 6021 $\qquad$ Wt., 202. $\qquad$

HEAD DEMAGNETIZERS. Ouring normal use of recorders, heads build-up signal damaging residual magretism. Demagnethiers provide easy, safe rencoval of magnetism from heads for optimum signal to noise ratio. Improves recorder sound fidelity.
(R) TD. 6 PROFESSIONAL HEAO OEMAGNE.
 A.C.

28 T 6026 $\qquad$ Wt. 1 lb .
Net 6.95
(S) TD. 3 DELUXE DEMAGNETIZER. Fully encapsuiated components. $31 / 2^{\prime \prime} \times 144^{\prime \prime}$ dia. 110 V . A.C.
28 T 6027 $\qquad$ Wt. 801 $\qquad$ Net 3.99
(1) TLA. 1 TAPE-CLEAN-LUBE SYSTEM. SEIfstick base mounts to deck of any recorder. Applies Silicone Lubricant and Cleaner to both sldes of tapes at same time while in use. Provides friction-free performance to improve sound and reduce recorder head and guide wear. Eliminates tape squeal. Reduces drag. Lube Cleaner included.
28 f 7191 $\qquad$ Wt. 502. $\qquad$ Net 2.98

TLA-2 TAPE LUBESTICK. (Not illus.) Lubricates both sides of tape at same time while in use. Stops squeal, reduces drag. Selfstick base to mount to recorder deck. Wt., 387.

28 I7192 $\qquad$ Net 1.98 (U) TK. 14 RECORDER MAINTENANCE KIT. Contains: Head Demagnetizer, two Tape Cleaning and Lubricating Cloths, and $3^{\prime \prime}$ reel of "Tape-Clean" to clean head's and guldes of recorder. Wt. 14 oz .
28 T 7159
Net 4.19
TG. 9 TAPE-CARE KIT. (Not illus.) 12 reuseable plastic tape clips and 2 Tape Cleaning Cloths.
28 T 1155 $\qquad$ Wt. 502. $\qquad$ Net 85
TC. 75 TAPE ClIPS. (Not iltus.) Keeps tapes from unwinding. Fits all reels. 75 cllps in handy plastic container. Wt. 8 oz .
28 T7109
Net .75
THC- 1 HEAO-KLEEM ANO POLISMING TAPE. (Not illus.) 3" reel, 225 ft . Removes oxides and all particles from heads when played. Wt. 302 .
28 T 7160
Net 1.05


TAPE-CLEAM. (Not dllus.) Chemically treated cloth tape cleans and lubricates heads and guides of recorder when played. Deposits film of Silicone for friction-free tape path. 28 I 1116 THC-3, 3" Reel, wt., 302 . Net 1.05 28 T 6035 THC.5, $5^{\text {" }}$ Reel, wt., 5 oz. Net 1.89
TK-2 TAPE KARE KIT. (Not illus.) 2 oz. bottle of Head Cleaner and Tape Cleaning and Lubrlcating Cloth.
28 T 7048 ................... Net 1.19
TK-6 HEAO CLEANER ANO LUBE KIT. (Not IIlus.) 2 oz. bofties of Head Cleaner and Head and Guide Lubricant. Wt. 6 oz .
28 T 7085 $\qquad$ Net 1.19
(V) TK-7 RECORDER KARE KIT. 2 oz bottles of Head Cleaner, Head and Guide Lubricant, Tape and Phono Drive Oil. and Non-Silp, for tape and Phono Drives. 50 "'swabbies" included for easy cleaning and olling in hard to reach places. Wt. $11 / 2$ lbs.
28 T 1049 $\qquad$ Net 2.35
TX. 20 TAPE HEAO CLEANER. (Not illus.) 2 oz. bottle with applicator.
28 J 6031 Net .59
TX-22 HEAD ANO GUIDE LUBRICANT. (NOt II. lus.) Silicone base liquid provides frictiontree tape path. Reduces head and tape wear. 2 oz. bottle.
28 T7193_ Wt. 4 oz. ............Net 63
TPP- 2 SELF.STICK REPLACEMENT RECORDER PRESSURE PAOS. (Not lllus.) Assortment of 44 pre-cut and 2 "U.Cut-1t" self-stick felt pads to fit all recorders. Wt. 2 oz.
28 T7111
Net .79
TAT-100 RECDRDING HEAD AZIMUTH ALIGN. MENT TAPE. (Not illus.) For proper allgnment of tape heads for maximum sound output. 100 ft . on $21 / \mathbf{2 c}^{\prime \prime}$ reel. Tape has 6 kHz steady tone. Instructions.
28 T 7118
Wt. 4 oz . $\qquad$ Net 1.05

(W) TW-1 PRECISION TAPE STROBE. Metal, chrome plated. Needie bearings. Tests speed accuracy, now and flutter of $71 / 2$ and $31 / 4$ Ips recorders. Instructions. Wt. 1 ib . 28 T 1117 $\qquad$ Net 5.99
(2) THS-1 HEAD-KLEEN SPRAY. Aerosol spray removes oxide, dirt, and other particles from heads to improve sound fidelity. 3 oz . 28 T 7194
RMC- 6 PLASTIC TAPE MAILING CANISTERS. (Not illus.) Impact resistant. Reusable. For up to $344^{-4}$ reels. Includes 2 -sided address cards.
28 Til56 Fackage of 6. Wt. 5 oz . - Net . 99 TMC- 30 DODALE-SIOED ADDRESS CARDS. Pkg. of 30 for RMC-6 Tape Mallers. (Not Illus.) 28 T 7157 Wt. 3 oz. Net . 75
TB-15 CARDBOARO TAPE MAILING BOXES. (Not lilus.) Package of 15 . For up to $34 /{ }^{\prime \prime}$ reels. 28 T 7158 Ni. 6 oz . $\qquad$ Net .75
TCB-18 CASSETTE MAILINC BOXES. (NOt IIlus.) Package of 18 cardboard mailers. Unique hub lock design protects tapes for safe mailing.
28 T 7195 Wt. 7 oz. $\qquad$ Net .99
(AA) TCP- 12 SET OF 12 DELUXE INDIVIOUAL MOLDED ThPE-SAFES. Protects $7^{\prime \prime}$ tapes from dust. dirt, ageing. Hinge covers. Boltoms have dovetail grooves to fit wall mount brackel included.
28 T 7122 Wt. 8 ibs. (Less tape
and reels)
Net 11.59
TE-11 AURIO/VISUAL TAPE ACCESSORY KIT. (Not illus.) Contains: TS-4S Splicer, TM-77 Bulk Tape Eraser, TD-3 Head Demagnetizer, roll of $3:^{\circ} 8^{\circ} \times 274^{\prime \prime}$ Splicing Tape Head Cleaner and Lubricant Kit, Tape Strobe and Light, Tafe Threader, Tape Cleaning Cloth, 150 Title Labels, 75 Tape Clips, and 150 cleaning Swabs.
28 T 7124 Wt. 9 tbs. $\qquad$ Net 29.95

EMPTY TAPE REELS FOR ALL RECOROING NEEOS. Colors avallable: Red. $R_{\text {; }}$ Blue- $B_{\text {; }}$ Yellow.Y; Green-G. +indicates Low Torque. Av. wt. per pkg. 6 oz. Color.Code Reels, as. sorted colors.

| Steck No. | Mir's iype | Size | $\begin{gathered} \text { aty. } \\ \text { In Plk. } \end{gathered}$ | Net Price |
| :---: | :---: | :---: | :---: | :---: |
| 28 77095 | TR20-6 | 2* | - | 69 |
| 28 T 7096 | TR25-6 | 21/2* | 6 | 69 |
| 28 T 7097 | TR30-6 | 3- | 6 | . 69 |
| 2817098 | TR32-4 | 34/4 | 4 | . 69 |
| 2817125 | TR36.6* | $3^{\prime \prime}$ | 6 | . 75 |
| 28 T 7099 | TR40-4 | 4" | 4 | . 79 |
| 28 T 7100 | TR50.2 | 5 " | 2 | . 59 |
| 28 T 7196 | TR51-2R | 5*R | 2 | . 79 |
| 2817197 | TR51-28 | 5"8 | 2 | . 79 |
| 28 T7198 | TR51-2Y | $5 *$ | 2 | . 79 |
| 2817199 | TR51-2G | 5~6 |  | . 79 |
| 28 T 7131 | TR53-2t | 5* | 2 | 1.05 |
| 28 T 7101 | TR70-2 | 7" | 2 | . 75 |
| 28 T 1201 | TR71-2R | 7*R | 2 | . 99 |
| 28 T 7202 | TR71-28 | 7* 8 | 2 | . 99 |
| 2817203 | TR71-2Y | 7-Y | 2 | . 99 |
| 28 T 7204 | TR71-2G | 7"6 | 2 | . 99 |
| 28 T 7102 | TR74-24 | 7" | 2 | 1.29 |

(BB) TK-12 PROFESSIONAL A/V TAPE ACCES. SORY KIT. For language lab, recording studio, audio/visual depts. and serious home recordists. Contains: TS.8D Splicer, 6 Rolls $1 / 2^{*}$ Splicing Tape. Tape Threader, Tape Cleaning Cloth, Head Cleaner, Head and Guide Lubricant, 24 Tape Clips, 150 Title Labels, Tape Strobe and Light, IM-99 Buik Tape Eraser, and T0-6 Head Demagnetizer. 14 lbs.
28 T 7051
Net 49.95


## Tape Recording Accessories

## COUSINO AUDIO VENDOR

- Continuous Repeating Magnetic Magazine Tape
Endless tape loop magazines provide continuous play, Ideal for sales messages, language study, sleep learning, exhiblts, etc. Fits most standard recorders. Running time in minutes at $33 / 4$ lps. Counterclockwise. 1510 Serles $23{ }^{3}{ }^{*}$ dia., 1310 Series $3 \%{ }^{*}$ dia., 1210 Series 5h." dia. Shpg. wt., 12 oz.

| STOCKMO. | TYPE | RUNNING TIME | $\begin{aligned} & \text { NET } \\ & \text { EACH } \end{aligned}$ |
| :---: | :---: | :---: | :---: |
| 28 T 3503 | 151003 | 3 Min . | 3.95 |
| 28 T 3504 | 151005 | 5 Min . | 4.75 |
| 28 T 3505 | 131008 | 8 Min. | 7.15 |
| 28 T 3506 | 131012 | 12 Min . | 8.00 |
| 28 T 3507 | 131015 | 15 Min . | 8.95 |
| 28 T 3508 | 131018 | 18 Min . | 9.75 |
| 28 T 3509 | - 121024 | 24 Min. | 10.95 |
| 28 T 3510 | - 121030 | 30 Min . | 12.95 |

twist-LOCK styrene cans


- Buy the set - save and GET THE CHEST FREE!

12 dust-free moisture-proof unbreakable styrene tape cans in storage chest. Can has foolproof twist lock feature and is ribbed for convenient stacking. Center locking stud prevents reel movement on all $7^{\prime \prime}$ reels and most $3^{\prime \prime}$ and $5^{\prime \prime}$ reels. Shpg. wt., 6 lbs.
28 T6510W
28 T 6511 Lots of 6 ea .
TWIST LOCX CAMS ONLY
$.40 \ldots$ Single ea. 45

## METAL STORAGE CANS



STANOARD CASE: Sturdy all steel carrying case. Holds $127^{\prime \prime}$ reels and cans. Twin snap locks. Platinum gray hammerloid finish. Metal separators. Index cards. 28 T 1501 Wt., 5 lbs $\qquad$ Net 3.29
OELUXE CASE: Holds $127^{\prime \prime}, 5^{\prime \prime}$ or $3^{\prime \prime}$ intermixed reets and cans. Finger touch roll-out action, drop-front with spring lock. Exterior
and Interior index.
28 T 1502 Shpg. wt., 9 lbs.
Net 5.95

Sturdy, non-warp plastic reels for recording tape. All clear except *high impact milky plastic. Avg. Shpg. wt., 402 oz, singly. 20 T $23053^{\prime \prime}$ reel $\quad$ lots of 4, Ea. 09 Singly, Ea. 10 28 T $230134 / 4$ "reel $\qquad$ lots of 4, Ea. 14 Singly, Ea, . 17 lots of 4, Ea. 22 Singly, Ea. 24 lots of 4, Ea. 27 Singly, Ea. 29

## LOW TORQUE REELS

Professional type clear plastic reels with large hubs for smooth tape feed and reduced flutter, Shpg. wt., 5 02. ea. $5^{\prime \prime}$ Low Torque Reel-Holds $400 \mathrm{ft} .11 / 2 \mathrm{mil}$, $600 \mathrm{ft} .1 \mathrm{mil}, 800 \mathrm{ft} .1 / 2 \mathrm{mil}$ or 1200 ft . $1 / 2$ mil triple play tape.
28 T 2306 $\qquad$ lots of 4, Ea. 36
Singly, Ea. . 39
7" Low Torque Reel-Holds $960 \mathrm{ft} .11 / 2 \mathrm{mil}$, 1440 ft . $1 \mathrm{mil}, 1920 \mathrm{ft} .1 / 2 \mathrm{mil}$ or 2880 ft . 1/2 mil triple play tape.
20 T 2304
lots of 4, Ea, . 45

Ideal for making tape recorder connections from stereo receivers, tuners and amplifiers having front panel tape output jacks. A con. venient 6 foot cable has stereo 3 conductor phone plug at one end and two standard color coded RCA type phono plugs at the other. Insert phone plug into front panel tape output jack of receiver, tuner or amplifier and connect phono plugs to inputs of tape recorder for convenient connection. Imported. Shpg. wt., 8 oz.
99 T 6336
Net 1.19


All you need for a complete professional editing job. The cutting block is made of duraluminum precisely machined and polished (makes straight or diagonal cut). All accessories such as grease pencil, blades, splicing tape ( 66 ft . roll of $/ \mathrm{za}^{\prime \prime}$ ) supplied. Comes with instruction booklet-in a smart metal case. Shpr. wt. 1 lb .


Designed with symmetrical num cancelling pick-up colls to eliminate high stray hum pickup usually encountered with conventional coils. For use with high Impedance tape recorders, amplifiers and dictating machines. Double suction cup for easy mounting. $5^{\prime}$ cable with stripped leads. Shpe. wt., 3 oz.
28 T 3201
Net 4.95

Singly, Ea. . 49

Holds tape recorder reel in place by loching spindle to reel. Especially useful if recorder is in vertical position. Will not interiere with normal operation of reels. Easlly removable. Imported. Shpg. wt., 602. 99 T 1519 Set of two

# Popular Priced Floor and Shelf-Type Speaker Systems 

## LAFAYETTE "MINUETTE ${ }^{\circ} / I I " 2$ WAY HI-FIDELITY SPEAKER SYSTEM

Room Filling Music Everywhere In Your Home

- Shelf Size6"Wx15"/4Hx91/e"D
- Genuine Oiled Walnut Finish on 4 sides
- 2 Speakers- $5^{\prime \prime} \times 7^{\prime \prime}$ Woofer. $21 / 2^{\prime \prime}$ Tweeter
- Brilliance Level Control

Lafayette "Minuette/II" MI.Fi Speaker System will bring beautiful music to any room in your home-and for a remark ably low cost. Designed for use where space is at a premium -ideal for the simall apartment or listening area Expand your stereo system to other areas of your home... easily used in the den, kitchen, patio or bedroom. Emplays a specially designed $5 \times 7$ " woofer, electrical crossover at 8,000 $\mathbf{H z}$. plus a $2^{1 / 22^{\prime \prime}}$ tweeter in a ducted-port bass reflex type enclosure. Provides an exceptionally fine musical quality yet measures only $6 \mathrm{~W} \times 15 \% \mathrm{Hx} 91 / \mathrm{m}{ }^{\mathrm{D}}$. Small enough to fit anywhere. Superb olled walnut finish on 4 sides, allows placing speaker horizontally or vertically. Frequency response: 80 to 19.500 Mz . Features adjustable level contrel for bril. liance. Impedance 8 ohms. Rated at 10 watts. Imported Shog. wt. 8 lbs.
99 T 0171W ............................................................................ Net 14.95 Set Of Two For Stereo-SAVE 1.40

## LAFAYETTE "decor-ette ${ }^{\circledR}$ V" SLIM TYPE 5 SPEAKER SYSTEM

## Only $3495 \quad 2$ FOR 68.95

- Four Specially Engineered $61 / 2$-inch Low Resonance Speakers-One $2^{11 / 2-i n c h}$ Cone Type Tweeter. Designed to achieve optimum performance in a thin type audio panel enclosure of only $4^{1 / 4}$-inches in thickness.
- A superbly styled oiled walnut veneer enclosure with magnificent walnut picture frame molding, bordering a fine decorative Cane Grille.
- Freq. response $50-18,000 \mathrm{~Hz}$
- Power handling Capacity 25 watts
- Crossover Electrical $2,500 \mathrm{~Hz}$
- Impedance-8 ohms.

A dazzling 5 -speaker system - magnificently styled and offered in an uftra-slim enclosure only $41 /{ }^{\prime \prime}$ deep. Four $6 \frac{1}{2}{ }^{2}$ low-resonance woofers assure rich, deep down bass-enough to delight even the more critical listener. A $21 / 2^{*}$ cone-type tweeter provides sparkling reproduction of the mid-range and highs. Overall response of this system is 50 to 18,000 Hz -provides truly convincing music reproduction. Enclosure finished in a rich, hand-rubbed oiled walnut veneer with matching picture-frame molding. A real space saver, this system may be used for floor mounting, bookshelf or even wall mounting. Full sound radiation from both front and back of enclosure and equipped with decorative cane zrill on both sides-makes it perfect for use as a room dividari Supplied complete with matching legs. Dimensions: $21 \sqrt[3]{ } \mathrm{Hx} 17 \mathrm{~s} / \mathrm{W} \mathrm{W}$ $41 / 4$ "D. Overall Frequency Response: 50 to $18,000 \mathrm{~Hz}$. Power Mandiling Capacity: 25 watts program material, Nominal Impedance: 8 ohms. Imported. Shpr. wt. 17 tos.
99 T 0008wX $\$ 5$ Monthly
Net 34.95
2 For 68.95


# Ultra Compact Systems 

## 5 YEAR GUARANTEE FOR <br> CRITERION* 20A AND 25

 A Lafayette quality product that is guaranteed against defects In material and workmanship for 5 years. If this unit falls to operate due to such defects, simply retum it prepaidwith your original sales slip or order. Lafayette will repair it without charge including return transportation.

## $19^{95}$ <br> 2 for <br> $38^{50}$ <br> No Money Down

- 25 Watts Power Handling Capacity
- $8^{\prime \prime}$ Woofer, $2^{1 / 2}$ Tweeter
- Frequency Response: $55-19,500 \mathrm{~Hz}$.
- Rich, Hand Rubbed Oiled Wainut Finish

Only $12^{\prime \prime} \mathrm{W} \times 7^{\prime \prime} \mathrm{D} \times 10^{\prime \prime} \mathrm{H}$

FULL SIZE PERFORMANCE...this outstanding uitra-compact Lafayette 2 speaker 2-way system achieves a purity of sound and music quallity that is astounding for a speaker system measuring only $12^{\prime \prime} W \times 7^{\prime \prime} D \times 10^{\prime \prime} \mathrm{H}$. Perfect for use anywhere in your home or office. You get rich styling plus true high fidelity music reproduction at a low, low price. System consists of a powerful $8^{-}$woofer which provides smooth bass sound reproduction down to 55 Hz , and a $21 / 2^{\prime \prime}$ cone tweeter that gives you sparkling clean high frequency response. Also includes a built-in $8,000 \mathrm{~Hz}$. electrical crossover network. Power handling capacity of 25 watts makes it compatible for use with most amplifiers and receivers. Interior of cabinet is designed to damp out standing waves and other spurious vibrations. Specifications: Frequency Response: $55-19,500 \mathrm{~Hz}$. Voice Coil Impedance: 8 ohms. Woofer: $8^{\circ \prime}$ high compliance with 8.6 oz . alnico $V$ magnet; rolled edge suspension. Tweeter: $21 / 2^{\prime \prime}$ cone type with alnico $V$ magnet. Power Handing Capacity: 25 watts. Electrical Crossover: $8,000 \mathrm{~Hz}$. Size: $12^{-W} \times 7$ " $\mathrm{O} \times 10^{\prime \prime} \mathrm{H}$. Imported. Wt., 9 Ibs, 99 T0201wx

WX Net 19.95 Set of 2 for Stereo SAVE $1.40 \$ 5$ monthly.

Net 19.95
Net 38.50


## CRITERION ${ }^{\circ}$ 20A "THE MINIATURIZED" 2-SPEAKER 2-WAY SYSTEM

## $22^{95}$ <br> 2 for <br> 4450 <br> No Money Down

- Rich, Hand-Rubbed Oiled Walnut Finish
- Equipped With Electrical Crossover Network and 4" Back-loaded Mid/High Frequency Unit
- Delivers True High Fidelity Sound With Outstanding Bass
- Uses a Specially Designed Large-Excursion Powerful 5" Woofer



## "CRITERION 50" TRUE 2-WAY BOOKSHELF SPEAKER SYSTEM

## FAMOUS LAFAYETTE QUALITY 295 ANO PERFORMANCE FOR ONLY -95

- 8" Wooter Plus 4 " Tweeter
- 'Tuned" Enclosure with Tube-Type Ducted Port
- Overall Response $35 \cdot 18,000 \mathrm{~Hz}$
- 3000 Hz Electrical Crossover
- Handsome "Criterion" Styling
- 20-Watts Power Handling Capacity

A true 2-way bookshelf-type speaker system that offers impressive hi-fi sound, yet measures only $19 \mathrm{w} \times 85 / \mathrm{DD} \times 103 /{ }^{4} \mathrm{H}$. Contains two separate speakers. A heavy-duty 8 -inch woofer provides reproduc. tion of the low and mid-range frequencies. A 4 -inch cone-type tweeter provides reproduction of the high frequencies (to beyond audibility). Electrical crossover at 3000 Hz . The enclosure is a bass. reflex design using a ducted port of the tube type to provide preper acoustic "tuning" of the enclosure with the speakers used. The tube provides a special path for the low frequency sound waves radieted from the rear of the wooler so that they emerge "in-step" with those radiated from the front of the speaker. This provides substantially greater bass sound power from the system. Finished on all our sides in a rich, hand-rubbed oiled walnut veneer and tastelully framed in an ebony and gold picture frame molding with white and gold acoustic grill material. Rated at 20 watts. Designed for vertical or horizontal placement. Overall response: $35-18,000 \mathrm{~Hz}$. Nominal Impedance: 8 ohms. Imported. Shpg. wt., 28 lbs. Net 23.95 99 Y 012awx Criterion 50

## 5 Year Grearamles

A Lafayette quality product that is guaranteed against defects in material and workmanshic for 5 years. If this unit fails to operate due to such defects, simply return it prepaid with your original sales sllp or order. Lafayette will repair it without charge including returning transportation.

## "CRITERION 75" 2-WAY ACOUSTIC SUSPENSION SPEAKER SYSTEM

- Power Handling Capacity-30 Watts
- $61 / 2{ }^{2}$ High Compliance Woofer
- 3" Cone -Type Tweeter
- High Frequency Brilliance Control
- Crossover-Electrical $2,500 \mathrm{~Hz}$.

Only

$39^{95}$
No Money Down Outstanding, compact, 2-way bookshelf speaker sysiem mounted in completely sealed and damped enclosure. Uses the acoustic suspension principle to extend low frequency response down to 30 Hz for deep rich bass. Powerful $6 \frac{1}{2} 2^{\circ}$ woofer features a mass loaded cone especially matched to the enclosure. Closed back, $3^{\circ}$ cone type tweeter prevents speaker interaction and provides high frequency coverage to $20,000 \mathrm{~Hz} A 2,500 \mathrm{~Hz}$ crossover network is built-in with an external briliance control to adjust the output level of the tweeter for proper balance of volume between the high and low frequencies. Can be connected to ampliflers with a power output as low as 30 watts, or as 30 watts per channel. Impedance: 8 ohms. Styled in hand rubsed, olled walnut finish on four sides. Acoustic grill is set off with contrasting ebony and gold picture frame moiding For vertical or horizontal placement. Size: $15 \times 81 / 4 \times 71 / 4{ }^{\omega}$. Imported. Shpe wt., $7 / 1 / 2 \mathrm{lbs}$.
99 T 0192WX $\$ 5$ Monthly
Net 39.95

## 5 Year Guaranloe

A Lafayette quality product that is guaramteed against detects in material and workmanship for 5 rears. If this unit tails to operate due to such defects, simply return it propaid with your original sales silp or order. Lalayette will repair it without charge including returning transportation.


# Criterion "100A" $10^{\text {" }} 2$ Speaker 2 Way System 

## Magnificent Full Range Sound Reproduction from a 10 -inch System



## STSTEM DESIGN

The enclosure is a bass-reflex design using a ducted port of the tube type to provide proper acoustic "tuning" of the enclosure. The tube provides a special path for the low frequency sound waves radiated from the rear of the woofer so that they emerge "in-step" with those radiated from the front and thus provides substantially greater bass sound power from the system. Solid wood construction, plus the use of sound absorbent material ensures an extremely rigid enclosure, free of undesirable resonances. A powerful 10 -inch speaker provides reproduction of the low frequencies. A 4 -inch cone-type tweeter provides reproduction of the mid-range and high frequencies (to beyond audibility) and is of the closed back type to prevent interaction with the 10 -inch speaker. Smooth transition is achieved by means of electrical crossover at 2800 Hz .


#### Abstract

5 Shat Bmanaralon A Lufayette quality product that is guaranteed againat defects in material and workmanship for 5 yeara. If this unit fails to operate due to such defecta, simply return it prepaid with your original salas slip or order. Lafayette will repair it without charge including return transportation.


- Power Handling Capacity - 30 watts
- Two Separate Speakers - Powerful 10" Woofer with 1 Ib. Magnet plus 4" Tweeter
- "Tuned" Enclosure with Tube-Type Ducted Port
- Full 12 db/Octave Crossover Network For 2800 Hz
- Overall Response $20-19,000 \mathrm{~Hz}$
- High Frequency Brilliance Control

An unusually compact speaker system that deliver really "big" sound. Equipped with two separate speakers for widerange response - a powerful 10 -inch woofer and a 4 -inch closed-back cone-type tweeter. A full 12 db per octave electrical crossover network provides smooth transition from lows to highs. Features High Frequency Brilliance Control at rear of cabinet. The use of an acoustically "tuned" enclosure results in a reinforcement of the low frequencies, and produces extended bass response. Superb "Criterion" styling blends in with the most elegant decor. The enclosure is finished on all four sides in a rich, hand-rubbed oiled walnut veneer and tastefully framed in an ebony and gold picture frame molding with white and gold acoustic grill material. Highly efficient operation assures rich, full-bodied sound even with low-power amplifiers. Finished on all four sides to permit either vertical or horizontal placement. Dimensions are $21 \frac{1}{2} \mathrm{~W} \times 11 \frac{13}{4} \mathrm{H} \times 101 / 2^{\prime \prime}$. . Overall frequency response: $20-$ $19,000 \mathrm{~Hz}$; crossover frequency: $2,800 \mathrm{~Hz}_{\text {; }}$ nominal impedance: 8 ohms; power handling capacity: 30 watts program material. Imported. Shpg. wt., 30 lbs .


## "Criterion ${ }^{\circ} 150 " 10 " 2-$ Way

 Acoustic Suspension Speaker System- Power Handling Capacity-40 Watts
- Overall Response-20-20,000 Hz
- Electrical Crossover-2000 Hz
- High Frequency Brilliance Control
- Fine Furniture Oiled Walnut Finish
- Completely Sea:ed and Damped Enclosure

High quality, excellent performance, and handsome decorator styling keynote the exciting Lafayette "Criterion 150" Speaker System. It utilizes the famous acoustic suspension design principle to develop extended bass with velvet smooth high frequency response in a cabinet of compact proportions. The system's main working element is a special 10 inch highiy compliant wooter. This woofer is acoustically suspended and is free from the usual mechanical limiting suspension. Instead the woofer actually rides on the air within the sealed enclosure. This air is used as a spring suspension element. The extremely long cone eacursion combines with this type of suspension to give bass reproduction that is outstanding in its depth and power. A $31 / 2$ inch tweeter extends the high frequency response of this system to beyond audibility. Thrilling clarity is achieved with the added extra of wide angle sound dispersion. The Criterion 150 also features a high frequency "briblance" control on the rear of the cabinat. This enables balance of high frequency tones to suit individual tastes and match various room conditions. A built-in inductor and capacHor (LC) electrical crossover network is adjusted for 2000 Hz , to assure independent peak-free highs. The enclosure is of solid construction with fiberglass packing to virtually elimirate undamped resonance. All foup sides are finished in Iuxuriant handrubbed oiled wainut veneer with gold frame molding and contemporary beige grille. Imported, Shelf size: $19 W \times 11 H \times 9^{\circ} \mathrm{D}$. Shpg. wt., 17 lbs.
99 Toialwx $\$ 5$ Monthly
Net 49.95

## SPECIFICATIONS

[^3]
## 5 Year Guarantee

A Lafayette quality product that is guaranteed against defects in material and workmanship for 5 years. If this unit fails to operate due to such defects, simply return it prepaid with your original sales slip or order. Lafayette will repair it without charge including return transportation.

Superb 2-Way System Mounted In A Completely Sealed And Damped Enclosure

10. High Compliance Woofer With Acoustic Suspension


# Deluxe Criterion " 200 A " 3 Speaker 3-Way System 

## Breathtaking Performance Power Handling Capacity 40-Watts


#### Abstract

536048 warambou A Lafayette quality product that is cuaranteed arainat defects in material and workmanship for 8 years. If this unit falis to operate due to such defecta, simply return it prepaid with your original sales slip or order. Lafayeth will rapair it without eharge ineluding return transportation.


- Powerful $12^{\prime \prime}$ Woofer With $24 / 2^{\prime \prime}$ Diameter Voice Coil and 1 LB Magnet
- $3^{"}$ Dome-Type "Super" Tweeter With 1" Diameter Voice Coil
- 2 Controls: Brilliance \& Presence
- $8^{n \prime}$ Closed-Back Midrange Unit
- Acoustically "Tuned" Enclosure
- L-C Crossover At 700 and 5000 Hz
- Overall Response 20 to $25,000 \mathrm{~Hz}$

One of our finest speaker systems - manufactured to rigid specifications and designed to provide full, wide-range response $\therefore$ from a low 20 Hz all the way up to $25,000 \mathrm{~Hz}$. A product of careful acoustic engineering, the Criterion 200A employs 3 separate speakers to provide performance that will satisfy even the most critical listener. $12^{\prime \prime}$ woofer with a 1 lb . magnet and $21 / 2^{\prime \prime}$ diameter voice coil provides deep, solid bass reproduces low-frequency instruments with thrilling realism! A superb $8^{\prime \prime}$ midrange speaker and a back-loaded $3^{\prime \prime}$ metallic dome-type "Super" tweeter provide flawless reproduction of the midrange and high frequencies. System also features high frequency brilliance control and mid-range presence control at rear of cabinet. Enclosure is finished on all four sides in a rich, hand-rubbed oiled walnut veneer, attractively framed in an ebony and gold picture-frame molding with white and gold acoustic grill material. For vertical or horizontal placement. Dimensions: $24 \mathrm{~W} \times 14 \mathrm{Hx} 12^{2} \mathrm{D}$. Overall Frequency Response: 20 to $25,000 \mathrm{~Hz}$. Crossover Frequencies: 700 and 5000 Hz . Impedance: 8 ohms. Power Handling: 40 watts program material. Imported. Shpg. wt., 35 lbs .


## SYSTEM OESIGN

The enclosure is a bass reflex design using a ducted port of the tube type which is proportioned to provide correct acoustic "tuning" of the enclosure. This arrangement provides a special path for the sound waves radiated from the rear of the woofer so that they emerge "in-step" with those radiated from the front of the woofer. This provides a substantially greater bass sound power from the system. Solid $3 / 4^{" n}$ wood construction, internally braced, plus the liberal use of sound absorbent material, ensures an extremely rigid enclosure, free of undesirable resonances. A special 12 " woofer with 1 lb . magnet and a $21 / 2^{\prime \prime}$ diameter voice coil covers the range from 20 to 700 Hz and employs a foam-treated cone for efficient, distortion-free bass reproduction. An $8^{\prime \prime}$ midrange speaker covers the 700 to 5000 Hz range and is of the closed back type to prevent interaction with the woofer. A 3 " dome-type "Super" tweeter, also with closed back, provides coverage from 5000 Hz to $25,000 \mathrm{~Hz}$. All three speakers are acoustically matched and employ an L.C crossover network for crossover at 700 and 5000 Hz . System includes brilliance and presence controls.

# Our Ultimate Performer 

## Only <br> $89^{95}$

No Money Down



## POWER HANDLING CAPACITY 50 WATTS

## Deluxe Criterion $3 \mathrm{XX} 12^{\prime \prime} 3$-Way Acoustic Suspension Speaker System

- Designed For Use with The Highest Quality Component Amplifiers and Receivers
- Overall Response $20-25,000 \mathrm{~Hz}$
- Separate Midrange and High Frequency Controls
- Fine Furniture Oiled Walnut Finish

Our most powerful 3-way speaker system designed specifically for the critical listener seeking greater realism in reproduced sound. This deluxe system uses the acoustic suspension principle to extend low frequency response down to a low 20 cycles . . gives you the deep, powerful bass that is so necessary to proper musica enjoyment. Heart of the system is a special 12"' high compliance woofer. Free of the usual mechanical suspension, this woofer actually uses the air within the seated enclosure as a spring suspension element. This arrangement, used with a speaker capable of extremely long cone excursions, gives bass reproduction that is outstanding in its depth and power. Midrange frequencies are flawlessly reproduced by a $61 / 2^{\prime \prime}$ cone driver which employs a sealed back to avod interaction with the woofer and to prevent alr leakage from the enclosure. A $3^{\prime \prime}$ metallic, dometype super tweeter extends high frequency response to beyond audibility to provide brilliant, peak-free reproduction of the highs. Electrical L.C network ensures smooth crossover between all speaker units. Separate midrange and high frequency level controls let you "tallor" sound to suit your listen'ng requirements. Fully air-tight enclosure is solid $3 / 4^{\prime \prime}$ construction with Internal bracing and filled with fiber glass to prevent resonance. Fimished on all four sides in rich. hand-rubbed oiled walnut veneer. Has attractive frame of ebony and gold with new snap-off nubby grille cloth panel. For vertical or horizontal placement; polarized input terminals. Size: $23 \times 131 / 2 \times 113 / /^{\prime \prime}$ deep. Imported. Shpg. wt., 32 lbs. 99 T $0176 \mathrm{WX} \$ 5.00$ Monthly

Net 89.95

## SPECIFICATIONS

System Response: 20 to $25,000 \mathrm{~Hz}$. Woofer: $12^{\prime \prime}$ acousic suspension, high-compllance type with long throw voice cill. Re. sponse, $20-1200 \mathrm{~Hz}$. Midrange: $61 / 2 z^{\prime \prime}$ cone driver with sealed back. Response, $1200-6000 \mathrm{~Hz}$. Tweeter: $\mathbf{3 "}^{\prime \prime}$ high frequency metallic dome-type. Response, $6000-25,000 \mathrm{~Hz}$. Crossover: Elec trical (L-C) network at 1200 and 6000 Hz . Power Capacity: 50 watts IHF. Impedance: 8 ohms.

## 5 Yeat Guaranlee

A Lafayette quality product that is guaranteed against defects in material and workmanship for 5 years. If this unit fails to operate due to such defects, simoly return it prepaid with your original sales slip or order. Lafayette will renair it without charge including return transportation.

Superb 3-Way System Mounted In A Completely Sealed And Damped Enclosure


# SAFAYETTE Our Most Popular $8^{\prime \prime}$ HI-FI Speakers 



- Eccentric Tweeter Mounting and Unique Elliptical Baffle Completely Eliminates Interaction Between Woofer and Tweeter


## SPECIFICATIONS:

- Overall Response: $20-20,000 \mathrm{~Hz}$ $(40-16,-000 \mathrm{~Hz} \pm 3 \mathrm{db})$.

The Lafayefte SK. $1288^{\circ}$ " Biaxial Speaker offers full, even coverage of the entire audio range, with no distortion or coloration to mar your listening pleasure. The specially treated woofer cone has a unique "Conical Stiffener" at the apex which, coupled with its high compliance, enables the cone to operate in' a piston-like man-ner-delivering a clean, powerful bass response. The 2 -inch tweeter has its own voice coll and magnetic field. Special treatment of cone and cone edge provides even distribution of the high frequencies, with no peaks or resonance. The unusual off.center mounting of the tweeter and its elliptical baffle minimizes interaction between tweeter and woofer and insures an overall response free of intermodulation distortion. Electrical crossover from the woofer cone to the tweeter unit is provided by a bullt-in network. An adjustable brilliance control permits matching of sound to room acoustics. Efficiency of the speaker is such that it will operate from any amplifler with an output of 1 watt or more. Installed in a base-reflex type of enclosure, it performs outstandingly, and is recommended for all high-quality music systems-whether monaural or stereophonic. Imported. 99 T 0032 Shpg. wt., 5 tbs.
SK-98 $8^{\circ}$ 8" DUO-CONE HI-FI SPEAKER $^{\prime \prime}$

- Mechanical 2-Way Design
- Overall Response $40 \cdot 16,000 \mathrm{~Hz}$
- Large Magnet Structure
- Patented Cone Construction and Material High Excursion Woofer
The dual-cone construction used in this high quality $8^{\prime \prime}$ speaker provides the same type of wide-range response normally found in true coaxial speakers or multiple speaker systems. The wooter and tweeter cones "float" on flexible corrugated edges. This mounting results in true mechanical crossover, so that both cones operate at low frequencies, but only the tweeter cone operates at high frequencies. Patented cone materials provide extremely smooth response over the range of $40.16,000 \mathrm{~Hz}$. Magnets are large and heavy, with a flux density of 10,500 gauss and total flux of 56,000 maxwells. Free alr resonance is $55-70^{\mathrm{Hz}}$; impedance is $8 \mathrm{ohms} .41 / 2^{\prime \prime}$ deep. Shpg. wt., $51 / 2 \mathrm{lbs}$ imported.
99 T 0027 8" 2.WAY SPEAKER $\qquad$
2 FOR STEREO



# Our Most Popular 12" Hi-Fi Speakers 

## 5 YEAR GUARANTEE FOR MODELS SK-58A AND SK- 500 SPEAKERS


#### Abstract

A Lafayette nuality product that is guaranteed against defects in material and workmanship for 5 years. If this unit fails to operate due to such defeets, simply return it prepaid with your original sales slip or order. lafayette will repair it without charge including return transportation.


## FAMOUS "BEST SELLING" SK-58A 12" COAXIAL HI-FI SPEAKERS

- $11 / 4$ Lb. Magnet Weight
- Response $30-15,000 \mathrm{~Hz}$
- Sheepskin "Free Edge" Cone Mounting
- Coaxially Mounted Horn-Type Tweeter
- Built-In LC Network
- Rated At 20 Watts Continuous Power

Lafayette's exclusive SK.58A is an improved version of the famous SK-58 12 " coaxial high fidelity loudspeaker, universally acclaimed by music lovers, hiffi enthusiasts and professional experts alike. It provides a truly falthful reproduction of sound without any "coloration" or distortion, its excellence being responsible for its use in innumerable high fidelity music systems today. The SK-58A incorporates such features as heavy, high flux density TSK-5 magnets for high efficiency; $3 / 4^{\prime \prime}$ wide sheepskin cone-edge suspension and special composition fibre cone material, specially treated for ultra-linear, distortionfree response; heavy rugged cast metal frame for freedom from resonance and for greater rigidity. The coaxially-mounted horn-type tweeter provides brilliant, distortion-free reproduction of high frequencies with no back radiation. With the built-in 3000 Hz crossover network it contributes its share to the smooth delivery of the overall wide range response of $30-15,000 \mathrm{~Hz}$. Woofer resonance in free air is 40 Hz . Speaker power handing capacity is 20 watts continuous sine wave, 35 watts peak program material. Impedance of the voice coil is 8 ohms, connections being made to chrome plated screw terminals. Finished in gray-brown opalescent enamel, the speaker is supplied complete with "brilliance" level control. Imported. Shpg. wt., 11 lbs.

## 99 T 0014W

Net 24.95

WE HAVE SOLD OVER 75,000 SK- 58 SERIES HI-FI SPEAKERS

## SK-500 PNEUMATIC AIR SUSPENSION 12" 3-WAY SPEAKER

## Features

- 3-Way Axial Design
- Pneumatic Air Suspension Woofer
- Powerful Dome Lens Compression Type Multicellular Radial Treble Horn
- Precisely Balanced Midrange Radiator
- Pneumatic Cone Suspension With Rigidflex Free Edged Surround
Exciting pneumatic air suspension 12" 3-way Hi-Fi speaker which makes possible bass response with an almost unbelievable low distortion of less than $1 \%$ at power levels from 1 watt to 30 watts. Custom designed in England to Lafayette's rigid specifications. Pneumatic alr suspension woofer, precisely balanced mid-range radiator and a powerful "dome lens" compression-type multicellular radial treble horn, axially mounted with a single rigid unitized die cast frame to provide an outstanding integrated wide-range speaker. Construction features include a rugged, heavy-duty, extra long throw voice coil with a pneumatic air cone suspension. Has "Rigidflex" free-edged surround to eliminate standing waves and surround resonances. Frequency response is $25 \cdot 20,000 \mathrm{~Hz}$. Pneumatic air suspension woofer offers bass response which is tight and solid without boom or hangover to achieve a phenomenal sound realism. At $2,000 \mathrm{cps}$ frequencies are channeled into a balanced midrange radiator by means of a smooth mechanical crossover. Superb "dome lens" treble horn reproduces high frequencies with sllkiness and naturalness. A built in crossover allows the treble hom to take over at 5000 Hz . High frequency L.Pad control is provided with attractive escutcheon and knob. Impedance $8-16$ ohms. Overall depth $61 / 2$. Shpg, wt,, 18 lbs.
21 T O1 40WX $\$ 5$ Monthly
Net 37.95

[^4]

Custom-built In England To Lafayette's Rigid Specifications
Engineered To Satisfy The Most Discriminating Listener

## 马 LAFAYETTE Hi-Fi SPEAKERS

## 5-Year Guarantee on SK-215 and SK-216

A Lafayette quality product that is guaranteed against defeets in material and workmanship for sears. If this unit fails to operate duc to such defects, simply return it prepaid with your
original sales stip or order. Lafayette will repair it without charge including return transportation.

DELUXE Model SK-215 3-WAY 15" HIGH FIDELITY SPEAKER


- Free-Edged Cone Suspension
- 12 D8/Octave Cross-over Network with High Frequency Level Control
- Precision Pressure-Driven Horn-Loaded Tweeter with Aluminum Diaphragm \& Coil
- 3-inch Main Voice Coil
- Overall Frequency Response: $\mathbf{2 0 - 2 0 , 0 0 0 ~ H z}$
- Cone Resonance Frequency: 25 Hz
- Power Handling Capacity - 50 Watts

Lafayette combined the finest British craftsmanship and advanced acoustic design to bring you this outstanding 3-way 15" speaker. The SK-215 utilizes a patented concentric twin-gap magnetic system with a massive 9 lb . super efficient double duty cylindrical magnet structure. Woofer, midrange radiator and compression tweeter are axially mounted to achieve outstanding, efficient wide-range speaker performance. With a cone resistance of 25 Hz the woofer section is vacuum constructed by an exclusive process and features a virtually free-edged cone suspension that eliminates standing waves and surround resonances. An automatic mechanical crossover separates bass and mid-range frequencies at 2000 Hz to a highly stable mid-range radiator. A 12 db per octave LC crossover network provides smooth transition at 5000 Hz from mid-range to a precision pressure-driven horn-loaded tweeter employing an aluminum diaphragm and coil in a self-aligning assembly with aif chamber and phase equalizer. This crossover has a high frequency constant impedance L-pad level control for matching of sound to room acoustics and individual listening tastes. SPECIFICATIONS: Cone Resonance, 25 Hz ; Overali Frequency Response, $20-20,000 \mathrm{~Hz}$; Magnetic Flux Density, over 250,000 Maxwells; Crossover Frequencies, 2000 and $5000 \mathrm{~Hz}_{\text {; }}$ Power Capacity, 50 watts; Woofer Voice Coil Diameter, 8 inches; Tweeter Voice Coil Diameter, 1 inch; Impedance, 16 Ohms. Dimensions: $61 / 2^{\prime \prime}$ overall depth: $151 / 4^{\prime \prime}$ diam. eter. Shpg. wt., 30 Ibs.
21 T0130wx $\$ 5$ Monthly
Net 69.95

## 12 HIGH FIDELITY <br> SPEAKER

- Free-Edged Cone Suspension
- 3 -inch Dia. Main Voice Coil
- 12 DB/Octave Crossover Network with High Frequency Level Control
- Precision Pressure-Driven Horn-Loaded Tweeter with Aluminum Diaphragm \& Coil
- Power Handling Capacity - 50 Watts

Pride of British craftsmanship, coupled with Lafayette's rigid engineering specifications brings you a truly outstanding High Fidelity loudspeaker. The SK-216 features an exclusive patented concentric twin-gap magnefic system with a massive 9 lb . super efficient double duty cylindrical magnet structure. The three elements-woofer, mid-range radiator, compression tweeter-are axially mounted to achieve smooth widerange speaker periormance. The woofer section has a cone resonance of 35 Hz , is vacuum constructed by an exclusive process, and features a plastic terminated, freeedge cone suspension-completely eliminating standing waves and surround resonances. At 5000 Hz , a 12 db per octave LC crossover network provides smooth transition from mid-range to a precision pressure-driven horn-loaded tweeter which employs an aluminum coil and diaphragm in a selfaligning assembly with air chamber and phase equalizer. This crossover is provided with a high frequency constant impedance L-pad level contral for matching of sound to room acoustics and individual listening tastes. SPECIFICA. TIONS: Cone Resonance, 35 Hz ; Overall Frequency Response, $20-20,000 ~ H z ;$ Magnetic Flux Density, over 250,000 Maxwells; Crossover, automatic mechanical at $2000 \mathrm{~Hz}-12$ db/octave LC at 5000 Hz ; Power Capacity, 50 watts; Woofer Voice Coil Diameter, 3 inches; Tweeter Voice Coil Diameter, 1 inch; Impedance, 16 ohms. Dimensions: $51 / 2^{\prime \prime \prime}$ overall depth; $121 / 4^{\prime \prime}$ diameter. Shog. wt., 25 Ibs. 21 T 0129 WX $\$ 5$ Monthly

# Revolutionary LAFAYETTE "Poly-Planar" Speakers totally new concept in wide range ELECTRODYNAMIC SPEAKERS 

## Replaces Cone Speakers in Any Application

Lafayette "Poly-Planar" wafer-type component loudspeakers employ a lightweight acoustic panel supported by a frame of polystyrene plastic material to reproduce a range of frequencies from 40 Hz to $20,000 \mathrm{~Hz}$. This mater ial also permits the speakers to be made impervious to extremes of temperature, humidity, shock and vibration. There is also a minimum of piston motion resulting in low distortion and high electromagnetic efficiency. 12" LAFAYETTE POLY-PLANAR WIDE RANGE SPEAKERUnique physical and audio characteristics dermit a wide range of uses: Hi-fidellty speaker systems. TV or radio, automotive, public address, architecfural application 8 Build Poly-Planars into walls, closet doors, ceilings), and marine application. Use it as it is or cover it, baffle it, enclose it. Specifications: Power Capacity 20 watts Peak; Frequency Range, 40 $20,000 \mathrm{~Hz}$; Voice Coil diameter, $\mathbf{1 "}^{\prime \prime}$; Magnet weight, 4.8 oz.; 1 mp .8 ohms; Maximum operating temperature, $+175^{\circ}$ F. Size: $17 / 0^{\circ} 0 \times 14^{11} / 6^{\prime \prime H} \times 11 \frac{174^{\prime} \mathrm{W}}{}$ Shpg. wt. 2 lbs.
21 T 5601
Net 10.95
5" LaFAYETTE POLY-PLANAR WIDE RANGE SPEAKERSame physical and audio characteristics as above $12^{\text {" }}$ speaker. Especially designed for small space high performance applications such as automobile speak. ers, extension speakers. Specifications: Power capacity, 5 watts Peak; Imp., 8 ohms; Frequency range. 60 Hz to $20,000 \mathrm{~Hz}$, Operating temperature range, $-20^{\circ}$ F to $+175^{\circ}$ F; Voice coll diameter, $3 / 4^{\prime \prime}$. Size: $3 / 4^{\prime \prime} \mathrm{D} \times 81 / 2^{\prime \prime} \mathrm{H} \times 41 / 2^{\prime \prime} \mathrm{W}$. Shog. Wi, 1 lb . 21 T 5602



12 inch $10^{95}$
SPEAKER Net 5.95

## LAFAYETTE 12" BOOKSHELF SPEAKER ENCLOSURE


$59^{95}$
No Money Down $\$ 5$ Monthly.

RSAL"
BASS RE


- Acoustically Engineered To Handle A Separate $15^{\prime \prime}$ or $12^{\prime \prime}$ Speaker-As Well As Deluxe 2-Way or 3-Way Speaker Systems
- Beautiful Styling-Solidly Constructed of $3 / 4^{\prime \prime}$ wood-Acoustically lined
An unusually low price for a deluxe speaker enclosure of this quality and flexibility. Provides rich, robust, tass. Solidly constructed of $74^{\prime \prime}$ woods consisting of genulne veneer and acoustically correct Hakecore. Designed to achieve optimum performance from a separate $12^{\prime \prime}$ or $15^{\prime \prime}$ full range 3 -way speaker, or a 2 -way or 3 -way speaker system. Cut outs are provided for a $15^{\prime \prime}$ speaker plus an adapter for a $12^{\prime \prime}, 81 / 2^{\prime \prime}$. or $8^{\prime \prime}$ midrange. Also includes cutouts with adapter boards for 2 sizes of rectangular and 3 sizes of round compression tweeters. Dimensions: $287 / 8 \times 231 / 2^{\prime \prime} \times 18^{\prime \prime} \mathrm{D}$. Shpg. Wt., 54 lbs. 20 T0145wX Oil Walnut Finish

Net 59.95
Order Your Speakers Now With Lafayette's Easy Pay Piun

### 24.95

- Ideal For Use With Lafayette SK-58A, SK-500,
 and any 12" Hi-Fi Speaker
- Solid $3 / 4^{\prime \prime}$ Wood Construction

Beautiful, oiled walnut veneer speaker enclosure, features quality construction plus contemporary styling. Custom designed to accept Lafayette $12^{\circ}$ speakers, including 2 and 3 way types. Solid $3 / /^{\infty}$ wood construction. Dual vented port design plus fiberglass lining gives improved bass response. Acoustically transparent grili cloth lets the sound come through without attenuating the highs. All four sides finished in oiled walnut veneer to match the decor of any room. Back has two-lug terminal strip for easy connection to amplifier. For vertical or horizontal placement. $143 / 4 \times 233 / 4 \times$ $121 / 4$ " deep. Shpg. wt., 26 lbs.

## S2 LAF A Y ETTE Popular Priced $15^{\prime \prime}, 12^{\prime \prime}, 8^{\prime \prime}$, and $61 / 2^{\prime \prime}$ Hi-Fi Speakers SPEAKERS

## 15" COAXIAL HI-FI SPEAKER



12" COAXIAL HI-FI SPEAKER $15^{95}$

- $30-20,000 \mathrm{~Hz}-35$ Watts Peak - Large 13 oz. Ceramic Magnet - $11 / 2^{2 \prime}$ Voice Coil


Two-element, full-range high-fidelity speaker offers a superb standard of performance throughtout the audio spectrum. Consists of specially designed $15^{\prime \prime}$ woofer with a full $5^{\prime \prime}$ high-frequency tweeter coaxially mounted with a $11 / 2^{\prime \prime}$ voice coil. The large 13 oz . ce. ramic magnet provides high efficiency and smooth response. The $15^{\prime \prime}$ woofer section gives the deep, rich, boomfree bass notes. SPECIFICATIONS: frequency response, $30-20,000$ Hz . Crossover frequency, 3500 Hz . Cone resonance, 45 Hz . Power handiling capacity. 20 watts continuous and 35 watts peak. Impedance, 8 ohms. Rugged, lasting seamless cone. Has finger tip binding posts for easy installation. Shpg. wt., 12 lbs.

Net 19.95

## 12" WIDE-RANGE HI-POWER HI-FI SPEAKER


rat 30 wats high fidelity speaker is rated at 30 watts maximum and is excellent for use with any hi-fi system. Heavy $11 / 4 \mathrm{lb}$. magnet. Voice coil impedance 8 ohms. Outside diameter $12 \%$.", mounting diameter 11\%"", depth $6 \frac{1}{4}{ }^{\circ}$. Color-coded finger tip binding post terminals. Shps. wt., 8 ibs. 21 T4712 W............................. Net 15.95


- Ideal Wide-Range Budget Speaker
- Built-in Crossover
- 10 Watt Rating

Features a bultt-in electrical crossover to distribute the high and low frequencies to the two elements. Rated at 10 watts with a frequency response of $45-13,000 \mathrm{~Hz}$. Utilizes a gasket sealed 3 oz , ceramic magnet. Rigid, non-resonant frame and highly efficient, specially.treated cone contribute to its fine performance and long life. Voice coll diameter: $3 / \mathrm{ac}^{\prime \prime}$. Impedance: 8 ohms. Shpg. wt:. 3 lbs
$21 \$ 4717$
Net 7.50

12" COAXIAL HIFI SPEAKER

An economical $12^{\prime \prime}$ hi-fi coaxial speaker to improve the sound of existing inexpenslve hi-fl consoles or portables or can be used as the main speaker system of a budret priced high-fidelity system. A built-in filter correctly divides the frequency spectrum and distributes the different frequencies to the woofer and tweeter. Power rating: 12 watts. Impedance: 8 ohms. Shpg. wt., $51 / 2$ tos.
21 T 4715
Net 9.95

## 8" EXTENDED RANGE HI-FI SPEAKER



## $8^{\prime \prime}$ WIDE RANGE HI-FI SPEAKER Only



An extremely smooth single cone reproducer. Power handling capacity: 25 watts peak pow. er; 10 oz. ceramic magnet - frequency response: $45-14,000 \mathrm{~Hz}$ when properly baf. fled. Rim treatment on cone minimizes possibility of diaphragm dlstortion. Voice coll diameter $1^{\prime \prime}$. Impedance: 8 ohms. Cone Resonance 85 cycles. Shpg. wi., $41 / 2 \mathrm{lbs}$. 21 T 4722

Net 7.50
61/2" COAXIAL HI-FI

Ideally suited for low and medium level monaural or stereo sound reproduction. The one inch, 8 ohm impedance voice coil will handle peaks of 10 watts. This $8^{\prime \prime}$ extended range speaker is an excellent companion to Lafayette's wide selection of outstanding system enclosures. Size $0.0 .83_{1}{ }^{\prime \prime}$; mtg, hole dimensions $711_{10}{ }^{\circ \prime} ; 343_{2}^{\prime \prime}$ deep. Brown enamel over heavily plated steel. Finger tip binding posts. Shpg, wt., 2 lbs.
21 T 4708

- 50 to $13,000 \mathrm{~Hz}$
- Voice Coil Diameter $1^{\prime \prime}$
- 10 Watt Capacity

$$
\text { Net } 5.95
$$



- Freq. Response: $50 \cdot 16,000 \mathrm{~Hz}$.
- Power Input: 8 Watts, 16 Watts Peak
$642^{\prime \prime}$ woofer equipped with large, heavy magnet for maximum efficlency and low oistortion. $2^{\prime \prime}$ tweeter is a separate speaker coaxially mounted in a housing which com. pletely seals off back radiation; a mesh dispersion screen provides smooth wideangle high frequency propagation, toeal for use in pairs for stereo music systems of up to $8-10$ watts. Frequency range, $50.16,000$ Hz . Woofer free air resonance, 70 Hz Voice coil impedance, 8 ohms. Builitin electrical crossover network. Requires $51 / 2^{\prime \prime}$ diam. cutout. $612^{\prime \prime}$ diam. $33 /$ " $^{\prime \prime}$ deep. Imported. 99 i 002 shpg . wt., $31 / 2 \mathrm{lbs}$.

SPECIAL shallow frame Hi-Fi speakers for APPLICATIONS any "thin-type" cabinet, ready-made console or music HI-FI SPEAKERS systems with custom wall or ceiling installations.

## SK-260 3-WAY 12-INCH THINLINE HI-FI SPEAKER

- Special Low-Resonance Woofer Cone
- Independent Horn Type Super Tweeter For Wide Dispersion of Highs
- Frequency Response $30-18,000 \mathrm{~Hz}$
- Handles 40 Watts Peak Power
- Built-In Crossovers at 1,800 and $5,000 \mathrm{~Hz}$.

Constructed to Lafayette's rigid specifications, the Lafayette SK - 260 offers rich, brllliant sound reproduction. Engineered to reproduce the complete audio spectrum from 30 to $18,000 \mathrm{~Hz}$, this fine speaker is but $31 / 2^{\prime \prime}$ in depth, can be mounted in virtually any thin-type cabinet or shelf type enclosure. Incordorates a special low-resonance woofer cone, for clean natural bass response without boom, mechanical mid-range, and independent horn-type iweeter for wide dispersion of highs. Full-bodied mid-range and quality high frequency response enables you to hear all the fine transients and high notes of the higher frequencies. Features heavy duty die-cast frame. Built-in mechanical crossover at $1,800 \mathrm{~Hz}$ and electrical crossover at $5,000 \mathrm{~Hz}$. Power hSndling capacity 20 watts, peak 40 watts. Brilliance level control. impedance 8 ohms. Imported. Shpg. wt., 10 lbs. 99 T 0029

Net 19.95: 2 for 38.95

## 2-WAY 12-INCH THINLINE HI-FI SPEAKER

## - Response: $40-13,000 \mathrm{~Hz}$

- Power Handling: 40 Watts Peak
- Built-in Crossover at $1,800 \mathrm{~Hz}$.
- Dual Cone Construction
- Heavy Duty Magnet
- $2^{n}$ Edge-wound "Voice Coil"

A dual-cone speaker featuring outstanding sound and heavy-duty die-cast frame to permanently center the sound reproduction elements, the shallow frame design permits custom Installation in walls, "thin-type" enclosures, ready-made consoles or wall baffle extension speaker use. $12^{\prime \prime}$ high compliance woofer delivers plenty of solid bass while separate high frequency whizer cone handles the middle and nigh frequencies clearly to the upper audio spectrum. Features $2^{\prime \prime}$ edgewound voice coil assembly; built-in mechanical crossover at 1800 cycles. Convenient binding post terminals for easy connections to any amplifier. Freq. Resp. 40-13,000 cycles. Power Manding Capacity: 20 watts, 40 watts peak. Voice Coil Impedance: 8 ohms. Cone resonance; $45 \mathrm{~Hz} \pm 10 \mathrm{~Hz}$, Voice Coil Dlameter: $\mathbf{Z}^{\prime \prime}$. Size: $121 / 4^{\prime \prime}$ dia. $\times 31 / 2^{\prime \prime} \mathrm{D}$. Imported. Shpg. wt. 7 los. 99 T $0030^{\circ}$

Net 13.95:2 for 26.95

## 61/2" THINLINE HI-FI SPEAKER

- Frequency Response: $75-12,000 \mathrm{~Hz}$
- Ideal for Wall or Ceiling Installation

Low-cost, 3-way, full-range speaker with 3 diaphragms performing as woofer, mid-range and tweeter. Its small size, only $2^{\prime \prime}$ deep, makes it excellent for use in a wide varlety of space-saving applications, including background music systems with wall or ceiling Installation. Frequency response $75-12,000 \mathrm{~Hz}$. Power handling capacity, 3 watts ( 6 watts peak) of program material. Impedance, 8 ohms. Binding post terminals. Imported. Shpg. wt., $21 / 2$ lbs.

Net 4.95 : each 2 for 9.50
2 for 9.50


6x9" WIDE RANGE SPEAKER CONE TYPE METAL-CASED HI-FI TWEETER

Only



- 55 to $14,000 \mathrm{~Hz}$
- Space Saver Construction
- $1^{\prime \prime}$ Voice Coil
- 10 oz. Ceramic Magnet
- Freq. Response $50-13,000 \mathrm{~Hz}$

Especialiy designed for thin type systems, this $8^{\prime \prime}$ dual cone speaker features a 10 oz . ceramic magnet. Shallow construction makes It ideal for in-wall mounting. Baked on lacquer finish. Moisture resistant fiber parts. Frequency response $50-13,000 \mathrm{~Hz}$. Capable of handling 15 watt normal loads and 25 watts on peaks. Impedance: 8 ohms. Maximum depth is only 3 inches. Shpg. wt., 4 lbs. 21 T 4710

Hi-FI wide range speaker for add-on stereo application. Speaker consists of a special shiver rolled cone with a 1 " volce coil with 8 ohm impedance which can handle musical peaks of 10 watts. The shell is of brown enameled heavy plated steel with a $4-802$. ceramic magnet which produces extra high sensitivity. It has an outside diameter of $63 / 4 \times 9 \mathrm{~K}_{0}$; Mte hole dimensions are $43 / 8 \mathrm{x}$ $6 \% \mathrm{~s}^{\prime \prime}$; Depth is $3 \%_{4}$ ". Has finger tip binding posts.
21 T 4709 Shpg. wt., 2 Ibs.
Net 5.95


- Handles 20 Watts
- Frequency Response $2000-20,000 \mathrm{~Hz}$

Cone type tweeter particularly efficient in the high end of the audio spectrum where ordinary cone tweeters tend to lose clarity and volume. Entirely enclosed in metal case with stand and cabinet mounting bracket. Requires crossover network such as Lafayette networks listed on page 99. Diameter $3^{\prime \prime}$. Depth $2^{1 / \mathbf{B}^{\prime \prime}}$. Voice coil impedance $8-16$ ohms. Imported. Shpg. wt., 4 lbs.
99 T 0049
Net 5.95

# DELUXE WOOFERS, TWEETERS, and MID-RANGE SPEAKERS FOR DO-IT-YOURSELF SYSTEMS 



## 15" HI-FI WOOFER

Featuring $2^{11 / 2} \cdot \mathrm{lb}$. Magnet
-" $24^{95}$

- 20 To 5000 Hz
- Peak Watts-35 Watts
- $2^{\text {- }}$ Voice Coil Diameter

Efficient $15^{*}$ lo $\bar{w}$ frequency woofer with $21 / 2 \mathrm{lb}$. magnet. for orig. Inal equipment or replacement, it provides highly efficient extended low.frequency response. Ideal for assembling 2- and 3-way speaker systems. Handles 35 watts of audio power. Frequency response $\pm 2$ db 20 Hz to 1000 Hz , and $\pm 5 \mathrm{db}$ from 20 to $5,000 \mathrm{~Hz}$ with proper baffling. Voice coll dia. $2^{\text {m }}$, Impedance 8 ohms. Finished in beautiful brown enamel. Cone is seamiess type, permanently bound to voice coll. Has finger-tip binding posts. Cone Response 45 Hz Shpg. wt., $13 \mathrm{y} / \mathrm{lbs}$.
21 T4719w


## 12" HI-FI WOOFER

 Featuring $21 / 2 \cdot \mathrm{lb}$. Magnet
## ${ }^{\circ 2} 22^{95}$

- Peak Power 30 Watts
- 20.2500 Hz
- $2^{\text {" }}$ Voice Coil Diameter

This sturdily constructed $12^{\prime \prime}$ woofer is rated at a full 30 watts audio power. Frequency response from 20 to 2500 Hz with the speaker resonant frequency at 30 Hz . Quality construction techniques provide an accordion type, speciaily treated edging to add to cone life. Rugged cone construction prevents break-up. By uslng special wire material in the voice coil circult, the chance of over-heating is minimized. A heavy $21 / 2$ 10, magnet and $2^{\prime \prime}$ diameter voice coil permit uniform performance over the entire speaker excursion. Plated steel frame finished in brown baked enamel. Has finger -tlp binding posts. 8 ohm impedance. Shpg. wt., $101 / 2 \mathrm{lbs}$.

Net 22.95

## $8^{\prime \prime}$ HI-FI WOOFER

Featuring $11 / 4-\mathrm{Ib}$. Ceramic Magnet


- Rated 25 Watts
- 35 to 7500 Hz

This $8^{*}$ woofer is an ideal choice for use in 2 or 3 way speaker systems where space is of great importance. The $1 \mathrm{~L} / \mathrm{lb}$. ceramic magnet Insures clean, boom-free response in the low end. A free-edge, high complance cone is utilized for high efficiency. Power handling capacity is 25 watts peak. Voice coil diameter $14 z^{\prime \prime}$. Cone resonance is 50 cps. 8 ohm impedance. Has finger-tip binding posts for simple instaliation. Shpg. wt., 6 lbs.
21 14721 $\qquad$ Net 11.95

## DOME LENS COMPRESSION TWEETER



- 1500 to 20.000 Hz Response
- Handles 20 Watts of Power
- Phasing Plug for Uniform Sound Dispersion
This unit offers amazing clarity and bril. liance of sound. Built-in phasing plug insures uniform sound output. Low end cut-off 1500 cps.; high range extends to $20,000 \mathrm{~Hz}$. Handies up to 20 watts of power. Recommended crossover frequency 2500 Hz , or higher. Dimenslons: $51 / 4^{-}$long, mounts in $3 \mathrm{ha}^{\prime \prime}$ dia. hole. Impedance 16 ohms. Im. 99 T 6250 Fg . wt., 2 lbs.
99 T 6250
Net 9.95

- Response: $600 \cdot 12,000 \mathrm{~Hz}$
- Built-in Electrical Crossover
- 30.Watts Power Handling Capacity

Build midrange "presence" into your speaker system with this exceptional driver horn. Compression-type wide dispersion design provides an extremely clean and lively response virtually without distortion. Built in pre-wired electrical crossover operates at 1000 cps . Die-cast construction. Baked on lacquer finish. Frequency Response: 600.12, 000 Hz Voice Coil Diameter: $3 / 4^{\prime \prime}$. Magnet wt.: 1.4 oz . Impedance: 8 -ohms. $101 / 2 \mathrm{Lx}$ 3'K.WxIl"0. Shog. wt., 3 lbs. 21 T 4724

Net 8.95

## COMPRESSION <br> HORN TWEETER



- Built-in $2,000 \mathrm{~Hz}$ Electrical Crossover - Frequency Range 2,000 to $18,000 \mathrm{cps}$
- Handles 30 Watts of Power
- 71/aLx3Wx6K18"D

High-efficlency wide-angle compression horntype tweeter. Built.in pre-wired electrical crossover at $2,000 \mathrm{~Hz}$. Low end cut-off 2,000 Hz ., high range extends to $18,000 \mathrm{~Hz}$. Handles up to 30 watts of power. Constructed of aluminum die-cast under high pressure for lasting alignment with baked-on lacquer finish. Voice coll diameter, $3 / 4^{\prime \prime}$; magnet weight. 1.402 oz .; Impedance 8 ohms, 7 LHL x $3 w \times 6 \%, 0 \mathrm{D}$. Shipg. wt., $13 / 4 \mathrm{lbs}$. 21 T 4723

## 8" HI-FI MID-RANGE SPEAKER

## 95

- 25. Watts Capacity
- Response
$350-14,000 \mathrm{~Hz}$
- 10 oz. Ceramic Magnet
Capable of reproducing virtuality undistorted sound from 350 to $14,000 \mathrm{~Hz}$, the recommended crossover frequencies are at 350 cps and $5,000 \mathrm{~Hz}$ Power handling capacity: 25 watts. Cone Resonance: 150 Hz . Im. pedance: 8 ohms. 10 02. ceramic magnet. Voice coll diameter: $1^{4}$. Plated steel frame finlshed In brown baked enamel. Has finger tip binding posts. Shpg. Wt., $41 / 2$ lbs.
2154718
Net 7.95


## ECONOMY <br> HI-FI TWEETER



## - Frequency Response

 $3,000 \cdot 16,000 \mathrm{~Hz}$- Wide Dispersion


## Economy Hi-Fi tweeter designed for mount-

 ing in most existing baffles and cabinets. Reproduces high frequencies without losing clarity and volume. Even sound dispersion is insured by use of a round cone. Metal cased with completely seated rear housing. Frequency response $3,000-16,000 \mathrm{~Hz}$. Diameter $23 / 4$ Inches. Depth $13 / 4$ inches. Voice coil impedance 8 ohms. Imported. Shpg. $\begin{array}{ll}\text { wt. } \\ 99 & 1 \\ 0117\end{array}$ $\qquad$ Net 2.25
## Specially Designed Miniature LAFAYETTE Hi-Fi Speakers

Powerful, high compliance miniature hi-fidelity speakers with heavy magnets. For the hi-fi enthusiast who requires quality performance in a compact area.
(A) LAFAVETTE 21/2" TWEETER Remarkable compact tweeter handles 3 watts input music power. Frequency response of 3,000 to $15,000 \mathrm{~Hz}$. Magnet weighs 1.3 oz . Dept. $17 /{ }^{\prime \prime}$ ". Impedance: 8 ohms. Imported. Shpe. wt., $11 / 4 \mathrm{lbs}$. 99 T 0145

Net 1.49
(B) LAFAYETTE 3" TWEETER Fresh sounding foam-mounted cone tweeter delivers 1,200 to $20,000 \mathrm{~Hz}$ frequency response. Resonant frequency: $1,200 \mathrm{~Hz}$. Power handling capacity 8 watts peak. Depth $13 / 4$. Impedance: 8 ohms. Imported. Shpg. wt. 1 lb .
$99 \dagger 0156$ $\qquad$ Net 2.95
(C) LaFAYETTE 4" FULL RANGE HI FI SPEAKER. FIne performance from a speaker only $\mathbf{2}^{\text {" }}$ in depth. Frequency response 50 to $16,000 \mathrm{~Hz}$. Power handling capacity 8 watts. Resonant frequency 50 Hz . Rugged steel frame construction. Heavy 8.11 oz. magnet. Impedance 8 ohms. Imported. Shpg. wt., 3 lbs.
99 T 0172
Net 4.95
(D) DELUXE LAFAYETTE 5* WODFER Superb bass response is achieved through careful matching of large $11 / 2$ pounc magnet, $1^{\prime \prime}$ voice coil, and specially treated cloth surrounded cone. Frequency response: 40 to $12,000 \mathrm{~Hz}$. Resonant frequency: 40 cDs. Will handle 15 watt peak power. Depth $41 / \mathrm{m}^{\prime \prime}$. Imported. Shpg. wt., 5 lbs.
99 T 0155
Net 8.95
(E) LAFAYETTE 5" FULL RANGE HI-FI SPEAKER Outstanding 50 to $18,000 \mathrm{~Hz}$ audio reproduction. Resonant frequency: 53 Hz . Magnet weighs 3.6 oz. Power capacity 8 watts ( 16 peak). Impedance: 8 ohms. Dia. $51 / \mathrm{m}$, Depth $344^{*}$. Imported. Shps. wt. $31 / 2$ lbs.
99 † 0151
Net 4.96
(F) LAFAYETTE $5^{* *}$ COAXIAL HI FI SPEAKER Super miniature speaker handles up to 25 watt power. Frequency range 38 to $19,000 \mathrm{~Hz}$. Magnificent sound reproduction. Heavy magnet weight 1.1 ID . Rugged steel frame construction. Impedance 8 ohms. Only $23 / 4^{-3}$ in depth. Imported. Shpg. wt., 5 Ibs. 99 T 0170
vet 11.95
(G) LAFAYETTE $612^{\prime \prime}$ OUAL-CONE HI FI SPEAKER Powerful $612^{\prime \prime}$ speaker only $21 / 2^{*}$ in depth. Large 1 tb . magnet. Frequency response $50 \cdot 16,000 \mathrm{~Hz}$. Power handling capacity- 15 watts. Rugged steel frame construction. Impedance 8 ohms. Imported. Shpg. wt., 6 lbs. 99 T 0173

Net 6.25


## LAFAYETTE CROSSOVER NETWORKS

## (H) ECONOMY 3000 Hz NETWORK

Crossover network designed for 8 ohm woofers and tweeters. Easy to install, has a low insertion loss of only 3 db . Crossover frequency, $3,000 \mathrm{~Hz}$. Easity accessible lug terminals. Rugged metallic case $31 / 2 \times 17 /{ }^{17} \times 11^{\prime \prime}$. Fibre mounting reducing extraneous pickup. Mount on inside of speaker cabinet. Complete with simplified instructions. imported. Snpg. Wt., $1 / 4 \mathrm{lbs}$.
99 ז 0140
Net 1.40

## (J) 2-WAY CROSSOVER NETWORK

A carefully designed capacitive-inductive 2 -way crossover network with crossover frequency easlly set to either 2500 or 5001 Hz . Has a buiti-in continuously variable nigh.frequency "Brilliance". level control to match room acoustics perfectly. Control has a $21 / 2 \mathrm{ft}$. cable to mount on rear or side of speaker cabinet, and a long shaft for thick wood paneis. Has an attractive brushed gold finish escutcheon plate, for use with $8-16 \mathrm{ohm}$ speakers. Easily accessible screw terminals. Metal case $5 \% / 8 \times 23 \mathrm{fH} \times 2 \% / 9 \mathrm{D}$. Complete with simplifled instructions. Imported. Shpg. wt., 5 ibs. 99 Y0021 Net 7.95

## (K) DELUXE 2 and 3-WAY L/C NETWORK

Can be used either as a 2 -way or 3 -way 6 db per octave network. Six crossover combinations are avalladie - 2 -way crossover with $2000-3000 \mathrm{~Hz}$ or 5000 Hz crossover, and 3 -way with cressover fre. quencles of 350 and 5000,350 and 2000-3000, 700 and 2000-3000 or 700 and 5000 Hz for 8-16 ohm speakers. Brilliance and Presence controls-are mounted on the front panel, Level controls may be removed. Escutcheon plate, for external mounting; 3 ft leads 99 T 0022 Imported, Shpg. wt., 6 lbs.


# Acoustic Suspension Speaker System by 

## AR's 5-YR. SPEAKER GUARANTEE

AR speakers are sold under the manufacturer's 5 -year guarantee covering parts, labor, freight both ways, and packaging if necessary.


- Famous AR Quality At Low Cost
- For Use With Amplifiers Of 15 Watts Or More

The $A R-4 x$ Is an excellent low cost acoustic suspension speaker system. Designed to give a superbly clean, reatistic bass response and clear, Crisp highs by utilizing the famous acoustic suspension principle. It incorporates an 8 inch woofer and a $21 / 2$ inch direct radiator tweeter with level control to compensate for different acoustic conditions of your listening room. Electrical crossover frequency is 1200 eHz A compact ( $19 \mathrm{~W} \times 10 \mathrm{Hx9} 9^{\circ} \mathrm{D}$ ) unit for floor or shelf-mounting. Sultable for use with ampllfiers of 15 watts or more per channel. Shpg. wt., 20 tbs.
21 T 7249wx Oiled Walnut $\qquad$ $\$ 5$ Monthly $\qquad$ Net 57.00 21 T250wx Unfinished Pine $\qquad$ \$5 Monthly $\qquad$ Net 51.00

## - Excellent Bass Response, Low Distortion <br> - For Shelf Or Floor Placement

The AR- $2 X$ is designed for use with any high quality ampllfier supplying 20 watts or more over the entire audio range. Incorporates a $10^{\circ}$ acoustic-suspension woofer (with crossover at $2,000 \mathrm{~Hz}$.) plus a $31 / 2^{\prime \prime}$ direct radiator tweeter assembly. Frequency response $42-15,000 \mathrm{~Hz} . \pm 21 / 2 \mathrm{db}$; down 10 db . at 30 and $17,000 \mathrm{~Hz}$. Harmonic Distortion; under $2 \%$ down to $60 \mathrm{~Hz}_{\text {; }}$ under $3 \%$ down to 50 Hz . at 10 watts input when mounted in corner. Impedance 8 ohms. Finished on 4 sides. $24 \times 111 / 2 \times 131 / 2^{*}$. Shpg. wt., 35 lbs . 21 T 7245 WX Olled Walnut $\qquad$ 56 Monthly $\qquad$ Net 102.00 21 T $7240 W \mathrm{~W}$ Walnut 21 T 7246 WX Unfinished $\$ 5$ Monthly $\qquad$ Net 102.00



- 5 Monthly

Net 89.00


As low as

## $109^{00}$

 No Money Down
## AR-2AX 3-WAY ACOUSTIC SUSPENSION SYSTEM

- Impressive Bass, Down to 42 Hz
- Super Tweeter Extends Response To $20,000 \mathrm{~Hz}$
- Separate Adjustable Level Controls for Mid-Range and High Frequencies
Precision-made components plus the famous acoustic suspension design deliver truly magnificent sound. Includes $10^{\prime \prime}$ woofer for natural bass response; $31 / 2$ " direct radiator mid-range for reallsm and a 13 " dome type super tweeter providing highs out to the limits of audibility. Frequency response, $42-20,000 \mathrm{~Hz} . \pm 21 / 2 \mathrm{db}$. Less than $2 \%$ harmonic distortion down to 60 Hz . Has 2 level controls. Designed for use with amplifiers rated at 20 watts or more. Finished on 4 sides. $24 \times 112 / 2 \times 1342^{\prime \prime}$. Shpg. wt., 35 lbs .
21 T 7207 wx Olled Walnut _ $\mathbf{2 1} \mathrm{T} 7206 \mathrm{WX}$ Walnut $\$ 7.00$ Monthly._ Net 128.00 21 T 7206 WX Walnut $\quad \$ 7.00$ Monthly ___._._ Net 128.00 21 T 7204wx Mahogany $\quad$ 7.00 Monthly ___.... Net 122.00 21 T 7205wx Unfinished Pine __ $\$ 6.00$ Monthly ___ Net 109.00

AR SPEAKER BASES AND STANDS

| Stock No. | Type | Finish | Size | Shpg. Wit. | Net ea. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 21 T 7241W | Base | O. Walnut | $11 \times 141 / 2 \times 13^{\prime \prime}$ | 5 lbs | 7.50 |
| 21 T7240w | Base | Unf. Birch | $11 \times 141 / 2 \times 13^{\prime \prime}$ | 5 lbs | 7.50 |
| 21 T 7244 W | Stand* | O. Wainut | 29x301/2×15\%** | 28 lbs | 30.00 |
| 21 T7243W | Stand* | Walnut | 29x301/2x15\%/ | 28 lbs | 30.00 |
| 21 T 7242w | Stand* | Mahogany | 29x301/2×153/2" | 28 lbs | 30.00 |

## AR-3A DELUXE 3-WAY ACOUSTIC SUSPENSION SYSTEM

- Powerful 12 inch Acoustic Suspension Woofer with $3^{1 / 4} \mathrm{lb}$. Magnet
- Hemispherical Direct Radiators are Used for the Mid-Range and Tweeters
- Frequency Response From 38 to $20,000 \mathrm{~Hz}$.


#### Abstract

Acoustic Research's finest speaker system. Features a powerful 12" woofer with $31 / 4 \mathrm{lb}$, magnet, hemispherical direct radiators for the mid-range and tweeter units with $11 / 2^{\prime \prime}$ and $3 / 4^{\prime \prime}$ domes, respectively. Frequency response from 38 Hz to $20,000 \mathrm{~Hz}( \pm 2 \mathrm{db})$. Woofer crossover frequency at 575 Hz ; mid-range from 575 Hz to 5 kHz ; and the tweeter from 5 kHz up, Recommended power requirements: 25 watts (RMS) per channel. Impedance: 4 ohms. Cabinet finished on 4 sides, Size: $14 \mathrm{Hx} 25 \mathrm{Wxl} 13 / \mathrm{B}{ }^{\circ} \mathrm{D}$. Shpg. wt., 60 lbs. 21 I 7265 Wx Oiled Walnut _ 12.50 Monthly 21 T 7269wX Walnut ___ 12.50 Monthly $\qquad$ Net 250.00 21 T 7270 WX Unfinished Pine $\quad 11.50$ Monthly $\qquad$ Net 250.00

\section*{AR-3-WAY ACOUSTIC SUSPENSION SYSTEM}


3-way speaker system with $12^{\prime \prime}$ woofer, $2^{\prime \prime}$ mid-range dome radiator and $13 / \mathrm{s}^{\prime \prime}$ dome tweeter. Response: $38-20,000 \mathrm{~Hz}$. Crossovers: 1,000 and $7,500 \mathrm{~Hz}$. with individual level controls. Requires 25 watts (each channel) to drive. Impedance: 4 ohms. Finished on 4 sides. Size: $14 \mathrm{H} \times 25 \mathrm{~W} \times 113$ /9"D. Not lllustrated. Shpg. wt., 60 lbs .
21 T7229Wx Oited Walnut $\qquad$ 11.50 Monthly $\qquad$ Net 225.00 21 T 7230wx Walnut
$\qquad$

$\qquad$ Net 225.00

## Famous Achromatic Speakers by Wharfedale

## Model "600 <br> only $124^{95}$

No Money Down

| Model |
| :---: |
| Only |
| No Money Down |

## POPULAR ADCO SPEAKER SYSTBMS



NEW MOOEL W3OD 2-WAY, COMPACT ACOUSTIC SUSPENSION SYSTEM. Uses big $8^{\prime \prime}$ wooter with exclusive long-throw "FLEXEPRENE" suspension and acoustically isolated, omnidirectional mylar-domed pressure tweeter. Measures only $10^{\prime \prime} \times 19^{\prime \prime} \times 914^{\prime \prime}$ deep, yet superb as a main system, where space is at a premium. Professional LCR crossover network includes continuous acoustic control. Removable grille assembly. Imp, 4-8 ohms. Power cap. 35 watts, Scuff-resistant, oiled walnut type vinyl flnish. Shipg. wi., 22 lbs . Imported. 21 T 7550wx \$5 monthly

Net 54.95


Model 404 Compact Loudspeaker System. Space saving speaker system with extended bass response, and smooth high frecuency response. Wide-range response, 45 to $20,000 \mathrm{~Hz} \pm 3 \mathrm{db}$. Migh compliance $\sigma^{\prime \prime}$ linear-travel piston cone woofer. Hi-flux mylar dome tweeter with wide dispersion. Impedance: 8 ohms. Power 6 watts min . to 60 watts max. Oiled walnut finish. $11 / \mathrm{BHx} 73 / 4 \mathrm{Wx} 84 \mathrm{~h}^{\prime \prime} \mathrm{D}$. Shpg. wt.t 11 lbs.
21 I $1316 \mathrm{wx} \$ 5$ Monthly
Net 49.95
Model 303A 2-Way Bookshelf System. Velvet smooth frequency response throughout full range. Features frequency discriminating decoupling which results in considerable reduction in distortion plus smooth response free of phase shift. Response: $35-20,000 \mathrm{~Hz} \pm 3 \mathrm{db}$. Special $8^{\prime \prime}$ linear-travel piston cone woofer; hi-flux nyylar dome tweeter. Impedance: 8 ohms. Power: 6 watts min, to 60 watts max. Oiled walnut finish, $221 / 4 \times 13 \times 113 / 4^{n}$. Shpg. wt., $37 \cdot$ lbs. Oiled wainut finish, $221 / 4$
21 T $1313 \mathrm{wx} \$ 5 \mathrm{Monthly}$

MODEL W600 3-WAY SANO-FILLEO SHELF/FLOOR SPEAKER. Exclusive sand-filled construction prevents cabinet sound coloration. Powerful $121 / 2^{2 \prime}$ woofer with massive $91 / 2$ lbs, magnet assembly provides deep rich bass and exceltent transient response. $5^{\prime \prime}$ midrange speakep is acousticalty isolated and has cilmatically impervious special cloth suspension. Omni-directional pressure dome tweeter gives extended and uniformly smooth treble response. Separate variable controls for mid and treble ranges. Handsome oiled walnut cabinet is $144^{\prime \prime} \times 24^{\prime \prime} \times 13^{\prime \prime}$ deep. Response: $30-20,000 \mathrm{~Hz}$. Imp.. $4-8$ ohms. Power cap., 40 watts. 21 T 7546 Wx $\$ 7$ Monthly. Shipg. wt., 56 lbs. Imported

Net 124.95
MOOEL W700 4-WAY SAND-FILLEO HI/LO 8OY SPEAKER. Life-IIke bass from a massive $121 / 2$ " long.throw acoustic suspension woofer with $91 / 2$ lbs. magnet assembly. Heavy duty 8 " unit serves as a "passive" radiator for upper bass and as energized driver for lower midrange. Acoustically isolated $5^{\prime \prime}$ speaker handles upper midrange, and advance design pressure dome iweeter contributes near distortion-free, wide-angle treble. Individual mid and treble range controls. Cabinet employs exclusive sand-filled construction. Response $24 \cdot 20,000 \mathrm{~Hz}$. Imp. $4-8$ ohms. Power capacity 40 watts. Dimensions: $24^{\prime \prime} \times 22^{314^{\prime \prime}} \times 13^{5 / 8^{\prime \prime}}$ deep (w/table tops); Diled walnut. Shpg. wt., 74 lbs. Imported. 21 T 7544wx $\$ 9$ Monthly.

Net 169.95

## EMII LOUDSPEAKERS

## NEW! Model 92

Model 92 employs a $131 / 2 \times 816^{\prime \prime}$ elliptical woofer and $33 / 8^{\circ \prime}$ conetype tweeter, matched to provide sound that is clear and natural at all listening levels. Delivers full, deep bass, silky smooth highs and clean mid-range. 3 -position brilliance control and L/C crossover network contribute to optimum performance. Cabinet walls are of heavily braced, $1 / 4^{\prime \prime}$ resin-bonded core stock for maximum acoustical rigidity. Freq. response 50 to 20 , 000 Hz . Impedance, 8 ohms. Olled walnut finlsh, antique gold molding. Size: $231 / 6 \times 111 / 4 \times 1034^{* *}$. Shpg. wt., 30 Ibs.
$\$ 6$ Monthly
21 T5922WX
Net 109.95


## Model 62

High-compliance, high efficiency speaker system featuring big $103 / 3 \times 590^{-"}$ woofer with aluminum center cone for exceptionally flat, smooth midrange. Specially damped $3 \mathrm{Ha}^{\prime \prime}$ tweeter reproduces sharply detailed high frequencies, Cabinet is highly damped and features $7 / \mathbf{/ b}^{\prime \prime}$ thick walls to assure excellent acoustical qualities. In. cludes 3 -position brilliance control to adjust the output level of the tweeter. Frequency Response: 60$20,000 \mathrm{~Hz}$. Impedance: 8 ohms. Size: $101 / 2 \mathrm{H} \times 111 / 4 \mathrm{~W} \times 10^{\circ} \mathrm{O}$. Diled walnut finish. Shpe. wt., 26 tbs. 21 T5921wx …...............Net 79.95

## Fisher Speaker Systems

 high efficiency, high compliance sound reproducers for the home NEW!

- 10" Woofer
- $21 / 2^{\prime \prime}$ Tweeter

No Money Down

## Model XP-60 2-SPEAKER 2-WAY SYSTEM

Quality, 2-way speaker system. Features a 10 -inch free-piston bass speaker with a long throw voice coll and 4 -pound magnet structure, plus a $21 / 2$-inch low-mass cone treble speaker to achieve excellent transient response. System reproduces bass frequencies as low as 35 Hz and peak-free response out to $20,000 \mathrm{~Hz}$. Built-in crossover network operates at $1,000 \mathrm{~Hz}$. Impedance: 8 ohms. Power: $10-40$ watts. Walnut vinyl finish. Size: $13 \times 23 \times 101 / 2 \cdots$. Shpg. wt., 35 lbs. 21 T 3341 wx $\$ 5$ Monthiy

Net 79.35

## Deluxe CONSOLETTE SPEAKER SYSTEMS


(A) Model XP. 12 $199^{95}$
(B) Model XP-25B $269^{95}$
(A) Model XP. 12 Consolette 3-Way Speaker System. Features a large 12 -inch bass speaker with a 6 -pound magnet structure, an 8 -inch mid-range with a 2 -pound magnet, and a $11 / 2$-inch soft dome treble speaker. System can handle a range of frequencies from 30-20,000 Hz. To avoid acoustic interaction the mid-range unit is sealed in an air-tight sub-enclosure heavily dampened with Acoustiglas. 3-way crossover separates frequencies at 400 and 2500 Hz . Impedance: 8 ohms. Recommended oower: $10-50$ watts. Oiled walnut finish. Size: $24 \times 22 \times 13 \times 4{ }^{*} \mathbf{u}$.
$21 \mathrm{~T} 3339 \mathrm{wx} \$ 10$ Monthly. Shpg. wt., 70 lbs $\qquad$ Net 199.95
(B) Model XP. 158 Consolette 3.Way Speaker System. A deluxe system in its smoothness, transient response and overall musical qual. Ity. Mammoth 15 -inch woofer with a 6 -pound magnet structure reproduces even the lowest bass tones flawlessly. An 8 -inch midrange speaker with a 2 -pound magnet handes the entire range of mid-frequencies with spectacular ease. All high-frequencies are reproduced by a $11 / 2$-Inch hemispherical iweeter. Overall Response: $\mathbf{2 8 - 2 0 , 0 0 0 ~ H z}$. Crossover: 400 and 2500 Hz . Impedance: 8 ohms. Power: 10.60 watts. Oiled wainut. Size: $27 \times 27 \times 143 / 4{ }^{* 0} 0$.
21 T 3340 Wx $\$ 13.50$ Monthly. Shpg. wt., 100 lbs. Net 269.95


- 11/2" Soft Dome Tweeter


## Model XP. 7 4-SPEAKER 3-WAY SYSTEM

Highly efficient four component speaker system. Finely styled unit includes one 12 inch free-piston woofer with two 5 inch mid-range speakers sealed with AcoustiGlas preventing intermixing between mid-range and bass frequencies, and one periphally driven $11 / z^{\prime \prime}$ soft dome tweeter. Includes 3 way LC crossover network at 300 cps and 2500 cps . Response from $30-25,000 \mathrm{cps} .8 \mathrm{ohm}$ impedance. Scandinavian walnut finish cabinet $14 \times 241 / 2 \times 12^{\prime \prime}$. For vertical or horizontal mounting. Shpg. wt., 45 lbs.
21 T $3656 \mathrm{wx} \$ 7.50$ Monthly
Net 139.95
Model XP-9B 4-SPEAKER 4-WAY SYSTEM


- 12" Woofer
- 6" Lower Mid-Range Speaker
- 5" Upper Mid-Range Speaker
- $11 / 2^{\prime \prime}$ Soft Dome Tweeter

A true 4-way speaker system of bookshelf slie, $12^{\prime \prime}$ woofer has 6 . lb . magnet structure, reproduces bass frequencies from 28 to 300 cps. Two mid-range speakers divide the mid-frequencies: $6^{\prime \prime}$ lower midrange with $2 \cdot \mathrm{Ib}$, magnet is assigned frequencies of 300 to $1,000 \mathrm{cps}$; $5^{\prime \prime}$ upper mid-fange handies critical frequencies of 1,000 to $2,500 \mathrm{CDS}$. $11 / 2^{\prime \prime}$ treble speaker features a hemispherical soft dome with $120^{\circ}$ dispersion. Three-position treble balance control can be used to control the texture of the upper frequencies- 2,500 to 22,000 cps. impedance: 8 ohms. Power: 10 to 60 watts. Diled walnut finish. Size: $14 \times 241 / 2 \times 12^{\prime \prime}$ D. Shpg. wt.. 50 lbs.
21 T $3316 \mathrm{WX} \$ 9$ Monthly $\qquad$ Net 179.95
LE-1 Leg Assembly For XP-60, XP-7, XP-9B Systems
4 brass legs fasten to a XP-60, XP-9B systems easily and quickly Changes a bookshelf model into a handsome floor model. Each pair of brass legs is attached to a steel mounting bracket covered with a felt strip to prevent marring the wood surface. Shpg. wt., 2 lbs. 21 T3317w

## EMPIRE Divergent Lens Speaker Systems

Patented Acoustic Lenses allow you to enjoy phenomenal Stereo anywhere in the room...Speaker Placement is Non-Critical.


5000M 2 WAY "GRENADIER"

- 12" High Compliance Woofer With 8 Lb. Magnet Structure
- $4^{1 / 22^{\prime}}$ Mid-Range Tweeter With Wide Angle Lens For Acoustic Dispersion
Clear crisp sound reproduction combined with appealing classic styling. System consists of $12^{\text {" }}$ high compliance woofer with 8 ib. magnet structure for powerful bass response and $41 / 2^{\prime \prime}$ cone type mid-range tweeter. Result is a clean frequency response of $25 \cdot 18,000 \mathrm{~Hz}$. Exclusive features: 3 .position treble control switch, exclusive dynamic reflex stop-system to permit listener to adjust bass to individual room acoustics. Constructed of hand-rubbed satin walnut with a durable marble top. Music power capacity: 75 watts max. undistorted. Nominal impedance: 8 ohms. Size: $261 / 2$ "H $\times 19$ " Diam. Shpg. wt. 62 lbs.
21 「 3476 wx \$9 Monthly $\qquad$



## 700CM 3-WAY "GRENADIER"

- 12" High Compliance Woofer With 8 Lb. Magnet Structure
- Direct Radiator Mid-Range
- Ulitra-Sunic Dome Tweeter

Superb conbination of cylindrical design and outstanding sound reproduction. 7000 M features a direct radiator mid-range speaker and ultra-sonic tweeter both coupted to an acoustic leas for wide angle dispersion. 12" high compliance woofer provides smooth bass response down to 25 Hz . Speaker placement is not critical for wide frequency response and correct stereo separation. Response: $2!.20,000 \mathrm{~Hz}$. Music Power: peak 75 watts. 3 position treble control switch can also asjust bass to suit Individual room acoustics. Beautifully styled in satin walnut with impcrted marble top. Impedance: 8 ohms. Slie: $26 \frac{1}{2} \times 19^{*}$ Dia. Shpg, wt., 68 lbs . 21 T 3477 mx \$11 Monthly Net 209.95


9000M 3-WAY "ROYAL GRENADIER"

- 15" High Compliance Woofer with $4^{\prime \prime}$ Voice Coil and 18 Lb Magnet Structure
- Direct Radiator Mid-Range
- Ultra-sonic Domed Tweeter

Empire's finest speaker system. Larger diameter column houses a mass-loaded, hlghcompliance $15^{\prime \prime}$ woofer with a $4^{\prime \prime}$ volce coll and magnetic power of over one million lines of force. This enables the model 9000 M to achieve a smooth frequency response of $\mathbf{2 0 - 2 0 , 0 0 0} \mathrm{Hz}$. High efficiency enables this deluxe system to be driven by any modern amplifier. Full presence direct radiator and domed tweeter coupled to die-cast acoustic lenses achieve broad dispersion. Handles up to 100 watts music power. Impedance, 8 ohms. 29 high $\times 22^{\prime \prime}$ dia. Satin walnut finish and durable marble top. Shog. wt., 87 lbs. 21 T 3435WX $\$ 15.00$ Monthly ... Net 299.95

## Only <br> $149^{95}$

No Money Down

- $10^{\prime \prime}$ High

Compliance
Woofer With 2
Voice Coil

- Elegant,

Contemporary
Styling

[^5]
## Famous Electrozoice Wolverine Speakers



MODEL LS:-Ideal for HI-FI in every room! A favorite $8^{\prime \prime}$ speaker built to high Wolverine standards. The LS8 features Include: Heavy-duty die-cast frame; double-wound voice coil; Low silhouette design. $45-14,000 \mathrm{~Hz} .40$ watts peak. Resonance: 75 Hz .8 ohms. Mech. cross. over 4500 Hz . Size: $83 / \mathrm{m}^{\prime \prime}$ diam. x $31 / 2 " \mathrm{D}$. Shpg. wt., 5 lbs .
21 T 3055
Net 18.00
MODEL LS12A-Famous 12" $^{-1}$ coaxial provides unusually clean fre. quency response ( 40 to $14,000 \mathrm{~Hz}$.) Heavy-duty frame, precision ground internal parts. 40 watts peak. Resonance: $60 \mathrm{~Hz}, 8$ ohms. Mech. crossover: 4500 Hz . Size: $121 / \mathrm{m}^{-1}$ dia. $\times 3$ \% ${ }^{-0}$. Shpg. wt. 6 lbs . 21 T 3054 Net 20.70
MODEL LS15-Wolverine's popular $15^{\prime \prime}$ speaker features a heavy-duty die-cast frame, a treble cone plus double wound volce coil. Frequency response: $35-14,000 \mathrm{~Hz}$. Power capacity: 40 watts peak. Resonance: 50 Hz . Impedance 8 ohms. Mechnical crossover at 4500 Hz . Size: $151 / \mathrm{h}^{\prime \prime}$ diameter, $61 / z^{\prime \prime}$ depth. Shpg. wt., 13 lbs. 21 T 3053 $\qquad$
(ro-Features three separate radiating elements, including a unique ring-diaphragm tweeter. Eliminates HF breakup distortion common in many dome diaphragm units. Response: $45-18,000 \mathrm{~Hz}$. Resonance: 65 Hz . Crossover: Mech. 2000 Hz . Elect $5000 \mathrm{~Hz} .81 /{ }^{\prime \prime}$ diameter, 7 = baffie opening, 3 is $0^{"}$ depth behind panel. 21 T 3028 (Not lilus.) Shpg. wt., 7 lbs. $\qquad$ Net 29.70
MODEL 1T12-Combines design features of Wolverine full-range speakers, plus "Deep-Dish" cone and HF tweeter. Response: $40-$ $18,000 \mathrm{~Hz}$. Power capacity: 40 watts peak. Resonance 60 Hz . ElA sensitivity 45 db . Impedance: 8 ohms . Crossovers: Mech. 2000 cps; Elect. 4000 Hz . Adjustable level control provides HF tone balance. Size: $121 /{ }^{*}$ " diameter. $51 / 4$ " deep. Shpg. wt., 12 lbs.
21 T $3051 \$ 5$ monthly $\qquad$ Net 36.00
MDDEL HF1 STEP-UP KIT-Complete VHF tweeter kit. Adds sparkling brilliance to LS8, LS12A or LS15. Extends response to $18,000 \mathrm{~Hz}$ improves dispersion for stereo. Complete with driver, combined cross-over-level control. wiring. mounting hardware and instructions. Requires $134 \times 41 / 4^{\prime \prime}$ baffle opening. Shpg. wt., 3 lbs. 21 T 3056 $\qquad$ Net 26.10
MODEL MF1 STEP-UP KIT-MId-range kit to complete Wolverine 3-way system. Improves presence and dispersion from 1,000 to $3,500 \mathrm{~Hz}$. Complete with horn. driver. crossover-level control, wiring and instructions. Requires $91 / 2 \times 3^{\circ}$ baffle opening. Shpg. wt., 5 lbs. 21 T 3057

Net 27.90

## DELUXE ELECTRO-VOICE SPEAKERS

MODEL SP8B RADAX SUPER EIGHT-8' speaker. Resonance 60 Hz . 20 watts; Response $35-15,000 \mathrm{~Hz} .16$ onms impedance. Sens. Rtg. 47 db . Crossover 4500 Hz .1 lb .6 oz , ceramic magnet. $87 \mathrm{~g}^{\prime \prime}$ diam. $7^{\prime \prime}$ baffle opening. $47 / 4^{\prime \prime}$ depth behind panel. Shpg. wt., 9 lbs.
21 T 3059
Net 29.70
MODEL SP12B RADAX TWELVE-12" speaker. Resonance: 50 Hz .60 watts peak. Response: $35,15,000 \mathrm{~Hz}$. 16 ohms impedance. Sens. Rtg.,
 11 "- baffle opening. $61 / 4$ depth behind panel. Shpg. wt., 12 tbs. 21 T $3060 \$ 5$ monthly $\qquad$
MODEL 12TRXE-3-Way assembly completely wired with HF control. Overall diam. $124 \mathrm{~h}^{\text {" }}$. Resonance: $50 \mathrm{~Hz}_{;} 60$ watts peak. Magnet wt., 1 lb. 6 02. Frequency response: $35 \cdot 20,000 \mathrm{~Hz}$-Mech. crossover 2000 Hz elect. 3500 Hz . Depth behind panel 7". Imp., 16 ohms. Sens. Rtg. 52 db . Shpg. wt., 17 lbs.
21 T $3058 \mathrm{wx} \$ 5$ monthly
Net 63.00



## Premier Series 200 Extended Range Speakers

MODEL 312 12" 3-way OIffaxial SPEAKER-Features an unsually rigid die-cast basket, heavy magnet, diffusicone midrange and Sphericon super-tweeter. Woofer response down to 28 hz . Multielement midrange operates over the frequency range of $1000-3000 \mathrm{~Hz}$. Super-tweeter disperses high over $120^{\circ}$. Tweeter has reflector baffie to prevent interaction and intermodulation distortion. Cross-over network built-in, with brilliance control. Overall frequency response extends from 28 to $40,000 \mathrm{~Hz}$. Power rating 35 watts. Impedance 8.16 ohms. $13^{-}$diam., $654^{-}$deep. Shpg. wt., $10 \mathrm{~V} / \mathrm{h}^{\mathrm{lbs}}$ 21 Y $6751 \$ 5$ Monthly $\qquad$ Net 76.05
OIFFUSICONE-8 $\mathrm{s}^{\text {th }}$ EXTENDED RAMGE DIFFAXIAL-Speather designed for quality performance in very small enclosures. Frequency response $30.15,000 \mathrm{~Hz}$. Rated at 35 watts. Impedance 8.16 ohms. $9 \%_{0}{ }^{0}$ diam., $4 \%{ }^{-}$deep. Shpg. wt., 5 lbs.
21 T 6753 $\qquad$ Net 29.25

DIFFUSICONE-12 12", FULL RAMGE DIFFAXIAL-Speaker uses the patented multielement Diffusicone midrange and a quality woofer cone. Dual horn-loading at cone apex cross-over at 1000 Hz . Frequency response $28-15,000 \mathrm{~Hz}$. Power rating 35 watts. Impedance $8-16$ ohms. $13^{* *}$ diam., $65{ }^{6 "}{ }^{\text {" deep. Shpg. wt., } 9 \text { lbs. }}$ 21 T $6754 \$ 5$ monthly. N Net 38.25

MODEL $3088^{\prime \prime}$ 3.WAY DIFFAXIAL SPEAKER-Employs an extra large voice coil for $8^{\prime \prime}$ woofer, a patented muitielement Oiffusicone micrange, and a compression type tweeter. Built-in electrical cross-over at 5000 Hz . Frequency response $30-17,000 \mathrm{kz}$. Power rating 35 watts. Impedance 8.16 ohms. $9 x_{0}{ }^{" \prime}$ diam., $6{ }^{1 / \mathrm{g}^{\prime \prime}}$ deep. Shpg. wt., 5 lbs . 21 T $6752 \$ 5$ monthly $\qquad$ Net 42.75 mooel $62011^{\prime \prime}$ DUAL RANGE COAXIAL-Tweeter projects through the center of woofer. Separate drivers are employed for woofer and compression type tweeter. Electrical cross-over at 2500 Hz with brilliance control. Frequency response from $28-18,500 \mathrm{~Hz}$. Power rating 35 watts. Impedance $8-16$ ohms. $13^{\prime \prime}, 65 /{ }^{\prime \prime}$ " deep. Shpg. wt., 10 lbs .
21 1 $6750 \$ 5$ monthly $\qquad$ Net 62.55 MODEL 3ISC SUPER $15^{\circ \prime} 3$-WAY OIFFAXIAL Woofer has double spired, anti-breakup diaphragm, Patented Diffusicone midrange operates between 1000 and 5000 Mz . T-50 Hypersonic driver is centered in a "reciprocating flare," mide angle super-tweeter horn. Separate bat. ance controls. Frequency response ranges from 25 Hz to inaudibility. Power capacity 50 watts. Impedance 8.16 ohms. Built-in LC crossover. $151 / z^{\prime \prime}$ diam. $12^{\prime \prime}$ deep. Shpg. wt., $341 / 2 \mathrm{lbs}$. 21 i $6770 w x \$ 9$ monthly $\qquad$ Net 161.55

## WOOFERS, MID-RANGE SPEAKERS, TWEETERS, DRIVERS AND CROSSOVER NETWORKS



## TWEETERS

MODEL T-202 SPMERICOM SUPER TWEET. ER. $3,000-40,000 \mathrm{~Hz}$. ( $\pm 2$ db to 22,000 Hz ). Domed phenolic diaphragm with spherical diffractor. Built-in network and brilliance control. 8 ohms. 30 watts. Snpg. wt. 3 los.
2186757
Net 24.30
MAOOEL C.15W 15" DVC WOOFER. 13 tD. magnet structure. Rated at 50 watts. Response from below 25 to 1500 Hz . Im pedance, 4.20 ohms. $101 / 2^{\prime \prime}$ deep. Shpg. wt. 27 ibs.
21\}6772wx $\qquad$ Net 89.55

MOOEL C.8M 8" MID.RANGE SPEAKER. Frequency response, $700-5,000 \mathrm{~Hz}$. Power rating, 50 watts. impedance. 8 ohms. $42 / 2^{\prime \prime}$ deep. Shpg. wt., $31 / 2$ lbs.
21 1 6767
Net 16.38
MODEL H-600 MIO-RANGE ANO HIGH FREQUEMCY HORN, Response, 600 Hz . to beyond audibility. T-30 driver and $\mathrm{N}-2 \mathrm{~A}$ network recommended. Takes any driver with standard $17 \mathrm{~m}^{2} \cdot 18$ throat. $73 / 483 / 4 \times$ 43/4". Shpg. wt., 13/4 lbs. 21 T 6768

Net 21.42
model hf-206 hypeasomic tweeter. Hizh frequency response to beyond audibility. N-28 network for $5,000 \mathrm{~Hz}$. crossover recommended. 8 ohms. $25-50$ watts. $6 \times 3 \mathrm{~K}_{4} \times 6 \mathrm{~K}_{4}{ }^{\prime \prime}$. Shpg. wt., $31 / 2$ lbs.
21 T $6758 \$ 5$ monthly
Net 35.55
MODEL UXT-S SUPER TWEETER. COMpression driver has Alnico $\forall$ magnet. For use with N-2B network. Resoonse. $5,000-17,500 \mathrm{~Hz} .50$ watts, 8 ohms. Size: $41 / 4 \times 21 / 2 \times 4^{\prime \prime}$. Shpr. wt.. $13 / 4 \mathrm{lbs}$. 21 T 6758 $\qquad$ Net 26.55

MODEL 4401 TWEETER. "Reciprocatingflare" hom. Response, $2,500.15,000 \mathrm{~Hz}$. $\mathrm{N}-2 \mathrm{~B}$ dividing network recommended. Power rating, 25 watts. Impedance, 8 ohms. Dimensions: $6 \times 21 / 4 \times 6 \%_{0}^{\prime \prime}$. Shipg. wt. 2 lbs. 21 T 6760

Net 20.25


## DRIVERS \& CROSSOVER NETWORKS




MADEL T- 30 MID-RANCE AMD HIGH FREQUEMCY ORIVER. For use with H-600 horns. Responise, $350-15,000 \mathrm{~Hz}$. Capacity, 50 watts. 80 hms . $1 \%=-18$ throat. $34 / 2 \mathrm{k} 3 \% / 4$ : hom. Shpg. wt, $23 / 4$ lbs.
$\qquad$
MODEL M-2A CROSSOVER METWORK. Crossover: 350 or 700 Hz . © 8 or 16 ohms; 700 Hz .@ 4 ohms. $35 / 8 \times 31 / 4 \times 3$. Shpg. wt., $21 / 4$ lbs.
2176763
Net 18.36
MODEL N-28 CROSSUVER NETWONK. Simitar to N-2A except crossover: 1250, 2500 or 5000 Hz . @ 8 ohms; 2500 or 5000 Hz @ $16 \mathrm{ohms} ; 2500 \mathrm{~Hz}$.@ 4 ohms . $3 \% \times 34 / 4$ $x 3^{*}$. Shpg. wt., $21 / 4$ lbs.
2176764
Net 13.50
MODEL AP- BALAMCE CONTROL Ideal for use with N-2A and N-2B networks. Suits $8-16$ ohms systems. Fits panels up to $3 / 4^{\prime \prime}$ thick. Shpg. wt., 7 oz . 2116765 Net 3.78

## SR LAFAYETTE <br> For Magnificent Private Listening Pleasure MODEL SP55 STEREOPHONIC HEADPHONES



- Frequency Response $30 \cdot 15,000 \mathrm{~Hz}$
- Air-Cushioned Headband
- Soft Foam Rubber Ear Cushions for Maximum Comfort and Bass Response
- Two $2^{1 / 2}{ }^{\prime \prime}$ Wide Range Transducers

New. Improved version of our widely acclaimed F .767 serles stereo headphone, Offers outstanding stereo sound reproduction to the listener. Extremely comfortable headband is covered with an air-filled vinyl bag which serves as a gentle cushion. Soft foam rubber ear pads keep out external noise and provlde maximum bass response. Sensitivity is very high-a signal power of 1 to 2 mw will produce adequate listening volume. Two specially designed full range $2 \frac{2}{2}$ " transducers are precisely matched to each ear cup. Complete with attached stereo phone plug, overload cylindrical junction box for connection of the headphones to equipment which does not have stereo phone jacks, 5 ft . cord, and instructions. Frequency Response: $30-15,000 \mathrm{cps}$. Impedance: 8 ohms per phone. Imported. Shpg. wt., $21 / 2 \mathrm{lbs}$. 99 T 0193

Net 11.95

## DELUXE MODEL F-880 STEREO HEADPHONES



- Soft Rubber Air-Cushioned Ear Pads
- Actually Two $2^{1 ⁄ 22^{\prime \prime}} \mathrm{Hi}$-Fi Speakers
- Frequency Response 25 to $15,000 \mathrm{~Hz}$

Our finest performing stereo headphone. Brings to your ears the full audio frequency range. Comfort-oriented design makes music listening a real pleasure. The $\mathbf{F} \mathbf{8 8 0}$ stereo headphones are actually two $21 / 2$ - high fidellity dynamic speakers with a frequency response range of 25 to $15,000 \mathrm{~Hz}$ and are rated at $1 / 2$ watt maximum input; impedance, 8 ohms per phone. The solt rubber atr-cushioned ear pads provide extremely comfortable listening, help to keep out noise and maintain an excellent bass response. With 5 ft . cord and standard 1/4" phone plug. Imported. Shpg. wi., 2 lbs. 99 T 0204

Net 17.95

## MODEL 8X STEREO HEADPHONES

## LAFAYETTE'S Lowest Price

Quality Stereo Hi-Fi Headphones
The moment you put this headset on you will be enveloped in glorlous stereo sound with the best "seat" in the house. You needn't sit in one special place to achieve the best stereo effect. Wonderfully comfortable too. Soft rubber cushion earcups block out most external noise. Llightweight vinyl covered headband adJusts to fit easily... lets you listen comfortably to your favorite programs hour after hour without fatigue. The big $2^{\prime \prime}$ transducers in each earcup bring to your ears smooth, full fidelity sound and complete stereo separation. The headset weighs only 11 oz . Frequency response: 35 to $15,000 \mathrm{~Hz}$. Qutput: 100 mw . Matches 8 or 16 -ohm impedance. Supplied complete with $5-1 \mathrm{t}$. cord and standard $1 / 4^{\prime \prime}$ phone plug. Imported. Shpg. wt., $11 / 4 \mathrm{lbs}$. 99 T 0180

## ACCESSORIES FOR LAFAYETTE STEREO HEADPHONES

 Extension Cord
(A) Remote Control Box $4^{95}$


10 Ft . Stereo Headphone Extension Cord

149

A STERED HEADPHONE REMOTE CONTROL BOX. Designed to connect Tor 2 stereo headphones to an existing system without the need of continually disconnecting speakers. Separate volume controls are provided for each side of the headset. Speaker muting switch permits using stereo headphones and speakers together, or stereo phones only for private listening. Impedance: $4-16 \mathrm{ohm}, 47 \mathrm{WWxI} \mathrm{K}, \mathrm{Hx}$ $13 / 4 " \mathrm{D}$. Imported. Shpg. wi., $11 / 6 \mathrm{lbs}$.
99 T 0036
Net 4.95
B 25 FT. UNIVERSAL STEREO HEADPMONE EXTENSION CORO, Listen to stereo through your favorite stereo headphdne anywhere in the room. Ideal for use with Lafayette. Koss, Superex, Jensen. Sharpe and many other headsets, Flexible 3 -conductor cable. With a $1 / 4$ " 3 -circuit plug on one end, a 3-circuit jack on the other end. Imported. Shpa, wi., 1 lb .
99 T0116 imported. Shpg, wt., 1 lb . Net 2.29
C. 10-FT. STEREO MEADPNONE EXTENSION CORO, For stereo amplifiers and receivers, that do not have a stereo headphone jack. Terminates in 3 spade-lug terminals instead of phone plug. Imported. Shpg. wt., $1 / 2 \mathrm{lb}$. 99 T 0169 Net 1.49

Save Money with Lafayette's Stereo Components

# Famous Name Hi-Fidelity Stereo Headphones 



For discriminating music lovers. A separate dynamic woofer, ceramic tweeter and crossover network with external tweeter controls bulit into each phone, give you concert hall sound. The reproducert are mounted in smartly styled hi-impact cycolac plastic shells. A tight but soft seal to the ear is provided by removable and washable viny! covered urethane foam cushions plus a fully adjustable vinyl cowered spring steel headband. Impedance $4-16$ ohms. Frequency response: $\mathbf{2 0 - 2 0 , 0 0 0}$ cps with less than $1 \%$ distortion. Complete with 7 foot four conductor cable terminated with a standard stereo plug. 21 T 8001 Shpg. wt., 31/2 lbs.

## KOSS PROFESSIONAL MODEL PRO-4A

\author{

- Equipped For Boom Mike Attachment <br> ont $49^{\circ 0}$ <br> No Money Duwn
}


Rugged construction makes it both shatterproof and shockproof. Adjustable, spring steel headband and fluid filled ear cushions are designed to fit head contour, thus forming a more efficient seal for almost complete attenuation of ambient noise. High quallty drivers mounted in acoustically designed encicsures provide smooth frequency response from 30 to 20,000 cps. Removable cushions can be cleaned with soap and water. With 10 ft . colled cord and plug, 4 ohms impedance. Shog. wt., 3 lbs.
21 T 4514 \$5 Monthly $\qquad$ Net 49.00

## NEW DELUXE TELEX "AMPLITWIN" STEREO HEADPHONE

<br>No Money Down<br>Carrying Case Included



- Built In Battery Operated Solid State Amplifiers

Exciting new concept . . Amplitwin stereo headphone features a bulit-in battery operated 4 -stage solid state stereo amplifier in each head piece. Has inputs for direct connection to record player, tuner and tape heads. On-off switch tums ampllfiers off so headphones can be used with any standard Hiff receiver or ampllitier that has a headphone łack. Specifications: Response $16.15,000 \mathrm{~Hz}$. Signal to Noise Ratio: 50 db . Less 9 v . batteries. With carrying case. Wt. $31 / 2$ lbs.
21 T $6307 \$ 5$ Monthly $\qquad$ Net 79.50
99 T 60219 Volt battery-2 required
KOSS MODEL KO727

## NEW SUPEREX "CHALLENGER"



1968 Catalog 680

Features Superex's exciusive "Earformed" vinyl covered polyurethane ear cushions for maximum enjoyment and comfort. Ear cushlons can be removed for cleaning. Full size headband adjusts for a perfect fit on any size head. Specifications: Impedance - 4-16 ohms. Frequency response - $\mathbf{4 0 - 1 5 , 0 0 0 ~ \mathrm { Hz }}$ 7 ft . conductor with standard stereo plug. Nominal power 15 mw . Maximum Power 2 . Watts. Dynamic element. Shpi. wt., $21 / 2$ lbs. 21 T 8006 Net 19.55

Low cost SF-3xC Stereophones are a specially constructer headset that provide a wide fre. quency ranze of $10-15,000 \mathrm{cps}$ by means of unusual $34{ }^{\text {" }}$ dynamic reproducers incorporated into each earphone. foam cushioned earcups are extremely comfortable to wear, light and rugged. Ideal for Stereo, they can also be used for monaural sound. impedance of 4.16 ohms. With 8 ft . cord and plug. Shpg. wt. 2 lbs.
21 T 4513
Net 19.55

## $34^{25}$

## No Money Down

Enjoy full dimensional stereo music with max mum comfort. Sensitive reproducers accept up to 60 watts per channel. Use in any system with 4, 8, or 16 ohms output. Remoyable foam cushions. Less than $1 \%$ distortion at maximum output of 143 db .10 ft . coll cord and plug. Shpg. wi., 3 lbs. 21 T 4507 \$5 Monthly $\qquad$ Net 34.25
ACCESSORIES FOR ROSS PHONES
MODEL T-1 HOOK UP BOX contains matching transformers for monitoring 600 to 10,000 ohm outputs Shpg. wt., $11 / 2$ bs.
21 T 4503 $\qquad$ Net 7.79 MOOEL T-S MEADSET CONTRAL BOX. FOR connecting stereophones to existing stereo or monaural system. Impedance $\mathbf{4} \mathbf{1 6}$ ohms. Has 2 output jacks for stereo or monaural use. Equipped with speaker on-off switch for per. sonalized listening. Shog wt., $11 / 4$ tbs. 21 T 4504

EASY-TO-ASSEMBLE SPEAKER ENCLOSURE KITS

## THE FAMOUS ELIPTOFLEX SPEAKER ENCLOSURE

In Ready-To-Finish, Easy to Assemble KIT FORM


This is the same Lafayette Eliptoflex Speaker Cabinet that has set a high standard of speaker enclosure excellenceavailable in ready-to-finish easy-to-assemble kit form. The easy-to-follow instruction sheet, with large pictures, guides you step-by-step for easy assembling. When completely assembled and highlighted with your favorite finish-you'il be amazed at the professional looking results.
You'll also appreciate the engineering excellence of this speaker cabinet. The Eliptoflex utilizes a unique elliptical port which broadens frequency response and provides better transient response. A specially engineered diffracting ring eliminates cancellation effects between front and rear radia.

FOR 12" SPEAKERS

- 3 Sides Prepared For Finishing
- For Horizontal Placement
- Provides Optimum Performance Without Use of Expensive High Power Amplifiers

tion. The "Eliptoflex" achieves a degree of natural smooth. ness. low distortion and rich robust bass. Due to its highly efficient design characteristics, costly high wattage amplification is not required. The kit is available in either ready-to-finish birch or in ready-to-finish genuine walnut veneer. Assembled the "Ellptoflex" measures $14 \mathrm{H} \times 231 / 8 \mathrm{~W} \times 13 \%$." D. Shpg, wt. 24 lbs.

20 I OliowX Ready-to-Finish Kit in Birch
Net 21.95
Ready-to. Finish Kit with Walnut Veneered Acoustically Cor. rect Flake Core.
20 T 0111WX
Net 25.95

## LAFAYETTE BASS REFLEX SPEAKER BOOKSHELF ENCLOSURE KIT



## HI-FI COMPONENT SHELF/CONSOLE

## OILED WALNUT FINISH <br> $59^{95}$ <br> No Money <br> Down <br> UNFINISHED <br>  <br> No Money Down

- Room For All Your Components
- Sturdy $3 / 4^{\prime \prime}$ Non-Warp Wood Construction
- Holds Over 150 Records
- An Attractive Addition To Any Home-Plaze Along A Wall Or Use As A Room Divider

The Ideal answer to your Hi-Fi Stereo component placement problems - measures $62 \frac{1 / 2 "}{}{ }^{\prime \prime}$ long, yet holds over 150 records with more than enough room for your amplifier, turntable or record changer, tape deck and stereo speakers. Veneered rear panel, finished on both sides, permits its use as a rciom divider. Speaker compartments spaced to achieve proper separation for stereo. Shipped knocked down-assembles in minutes. Shpg. Wt. 65 lbs.
Oiled Walnut Finish on Genuine Walnut Veneered Flake Core. 20 T0114wx $\$ 5$ monthly
20 T 0115 wx Unfinished Flake Board .. $\$ 5$ monthly


- EASY to assemble
- $3 / 4^{\prime \prime}$ WHITE BIRCH
- PRECISION.CUT-FITS TOGETHER SMOOTHLY
- ioeal for single wioe RANGE, 2-WAY OR 3-WAY SPEAKER SYSTEMS


## - HIGH OR LOWBOY STYLE

All pleces of these carefuliy-designed, bass-reflex, high-fidelity speaker enclosures are accurately precut of $3 / 4^{\text {. }}$ plywood to precision-fit snugly together and ellminate all spurious resonances. Surface is of white blich veneer. Front panels feature picture frame moulding and plastic acoustic grilles to blend with any finish and room decor. Lined with acoustic material that prevents reverberation and cabinet resonance. Cutouts are provided for a $15^{\circ}$ speaker plus adapter for $12^{\prime \prime}, 81 / 2^{\prime \prime}$ or $8^{\prime \prime}$ midrange, plus adapter for 5" and a blank-wood block if no midrange speaker is used; cutout with adapter boards for 2 sizes of rectangular and 3 sizes of round com. pression horn iweeters plus a blank block if no tweeter is used. Kits are supplied unfinished, smoothly sanded and ready for finishing. Lowboystyle cabinet dimensions are (less base) $27 \%$ W $\times$ $23 y / 2 \mathrm{H} \times 163 / 4{ }^{\prime \prime} \mathrm{D}_{;}$island-type base is $23 / 4^{\prime \prime}$ high. Highboy has the same dimensions with height and width interchanged. Complete instructions, all parts, hardware and grilte are included. Shpg. wt., 54 lbs.
Unfinished Highboy II Enclosure Kit 20 T 0146Wx $\$ 5$ monthly

Net 32.95 Unfinished Lowboy II Enclosure Kit 20 T 0147wx $\$ 5$ monthly Net 32.95


## DIMENSIONS

 Top Shelf $11^{\prime \prime} \mathrm{H} \times 16^{\prime \circ} \mathrm{O} \times 311^{2 / 2} \mathrm{~W}$ Lower Shelf 151/4"Hx151/2"Ox311/2"WSpeaker Compartments 27"Hx16"D×143*'W Overall Dimensions $3374^{\prime \prime} H \times 16^{\prime \prime} 0 \times 621 / 2^{\prime \prime} W$ (Including $5^{\prime \prime}$ legs)




## CONTEMPORARY "ALL-IN-ONE" STEREO EQUIPMENT CABINET

A handsome equipment cabinet with same interior and overall dimensions as above cabinet. The removable center partition and adjustable shelf give you the necessary flexibility in installing your components. May be arranged to house most turntables, amDlifiers, tuners, and tape recorders. Long length of 72 inch is both aftractive and functional for speaker separation. Walnut finish.
20 I 3802WX $\$ 10$ Monthly Shpg. wt., 183 lbs. Net 189.95


## STEREO EQUIPMENT CABINET



DANISH MODERN cabinet offers enough space to accommodate a large variety of hi-fi components and speakers. Two acoustically designed speaker enclosure sections can house both $12^{\prime \prime}$ and $31 / 2^{\prime \prime}$ speakers. Equipment section has $235 / 8 \mathrm{~W} \times 20^{\circ} \mathrm{H}$ and $181 / 2 \mathrm{~W} \times 20^{\prime \prime} \mathrm{H}$ interior dimensions with a removable center section and adiustable shelf. Overall dimensions: $72 \mathrm{~W} \times 180 \times 31^{\prime \prime} \mathrm{H}$. Walnut finish.
20 § 3601wX $\$ 10$ Monthly Shpg. wt., 182 lbs. Net 199.95


## MEDITERRANEAN MOTIF ALL-PURPOSE EQUIPMENT CABINET

Truty outstanding in appearance, this beautifully designed and constructed cabinet will add Spanish elegance for any period to any room. Its rich appearance is equally matched by its versatility. Moveable shelves and partitions adapts this cabinet to an Infinite variety of combinations of audio components. Carefully constructed with the finest of hard woods, the cablnet is superbly finished in Pecan, easily maintained to a high lustre. Overall size: $72 \mathrm{~W} \times 18 \mathrm{Dx}$ $29^{\prime} \mathrm{H}$. Shog. wt., 187 lbs .
20 ( 3810WX $\$ 11.50$ Monthly
Net 229.95

$229^{95}$ No Money Down

# Contemporary Cabinets For Records and Components Priced As Low As $\$ 10.95$ 

ALL PURPOSE RECORD CABINET


Roomy storage section with sliding doors allows for dust-iree storage of up to 200 records. Sturdy construction. Mar-proof, walnut Stylite finish. Size: $291 / 2 \times 151 / 2 \times 25^{N}$. Easily assembled. Wt., 24 lbs. 20 T 5806w $\qquad$
RICH CONTEMPORARY $36^{\prime \prime}$ CABINET


Flush to the floor styling-solld side construction for greater dupa-billty-deep grain Stylite mar-resistant walnut finish-perfect for elther component or record cabinet, room divider ( 2 or more), Bar or book case. Size: $351 / 2 \times 14 \times 20^{\prime \prime}$. Shipped knock-down, Easy to set up. Shpg. wt., 30 lbs . 20 T 5807w

CONTEMPORARY


Versatile all-purpose cabinet, full $40^{\circ}$ long with ample storage for over 200 records. Also has numerous other uses-holds hl - fi com. ponents, serves as liquor cabinet, bookcase or room divider. Expertly crafted and finished in rich walnut with plastic mar-proof top. Shipped knocked down. $40^{\prime \prime} \mathrm{L} \times 18^{\prime 0} \times 28 \sim \mathrm{H}$. Shpg. wt., 27 lbs. 20 T 5001wx Net 17.99

## MAJESTIC MEDITERRANEAN

 RECORD CABINET

Deluxe, hexagon styled cabinet with beautiful, detalled lattice doors-Mandsome, hand-rubbed oak veneer on solld top with a golden brown pecan finish. Brass record rack is included. Will enhance the decor of any home. Size: $28 \times 24 \times 21^{\prime \prime}$ high. Shipped completely assembled. Shpg. wt., 40 lbs. 20 ISO2wx $\$ 5$ Monthly

Net 59.95

CONTEMPORARY DOUBLE HUTCH ROOM DIVIDER

## Create Your Own Room Setting To Solve Your Decorating and Space Problems

Flush to the floor styling-with 2 shelves and sliding doors on both sides for complete flexibility. Sturdy construction. Attractive mar-resistant, walnut finish. Can store books, records, or your hi-fi components.


13" space between shelves. Overall size: $351 / 2^{\prime \prime} \times 14^{-\times} \times 48^{\prime \prime} H$. Shipped knocked down. Easy to assemble. Shpg. wt.,58 lbs. 20 5808wx $\$ 5$ Monthly ___ Net 34.95
$\qquad$

| s.riz: |
| :---: |
| dome: |



- Sliding Doors On Both Sides of Cabinet 3495


## Component, Speaker and Record Cabinetry

## ATTRACTIVE UNIVERSAL CABINET KITS FOR RECORDS AND COWPONENTS


(A) COMBINATION RECORD AND COMPONENT HUTCH
(B) COMBINATION RECORD AND COMPONENT CABINET

[4] COMBINATION RECORO AND COMPONENT HUTCH

Handsomely styled hutch designed to accommodate your high fidelity components, records, and tapes. Can also be used to store books. 2 shetves are adjustable for placement of your tape recorder, phonograph, or even a television set. Diled walnut finish on

## [B] COMBINATION RECORO

Striking contemporary design in a cabinet made specially for installation of your highfidelity components and records. Provides maximum capacity for areas where space is Ilmited. Cabinet is shipped knocked-down in easy-to-assemble form complete with all
hardboard. Comes knocked-down. Simple to assemble with easy-to-follow instructions. Includes all mounting hardware. Overall size: $63^{\prime H x} 141 / 4^{\prime \prime 0} 24^{\prime \prime} \mathrm{W}$. Lower compartment with sliding doors $16^{\prime \prime} \mathrm{H} \times 141 / 4{ }^{\prime \prime} \mathrm{O} \times 24^{\prime \mathrm{W}}$.
20 T 2301 wx Shpg. wt., 70 lbs. ... Net 59.95

## ANO COMPONENT CABINET

necessary instructions and hardware. OHed walnut finish on hardboard. Overall measurements $36^{\circ} \mathrm{W} \times 16^{\circ} \mathrm{Dx} 30^{\circ} \mathrm{H}$. Inside measurements: Record storage section $15{ }^{\circ} \mathrm{Hx} 15^{\prime \prime} \mathrm{O}$; Component shelf section $16^{\prime \prime} \mathrm{Dx} 9^{\prime \prime} \mathrm{H}$ 20 T 2302 WX Shpg, wt., 33 tbs. ... Net 27.95

CRITERION * II 12" SPEAKER ENCLDSURE


- Solid $3 / 4^{\prime \prime}$ Wood
- Oiled Walnut Veneer Finish


## SALE $49^{95}$

SAVE 15.00
WAS 64.95, 1968 CAT. 680

> Oesigned to accommodate any $12^{\text {" }}$ speaker. the Criterion III Incorporates the inner construc. tion and acoustic principles of the famous Lafayette "Eliptotlex" enclosure. A specially de signed elliptical port with dif. fracting ring broadens frequency response, increases transient response and eliminates cancella. tion effects between front and rear radiation. This results in low distortion, natural smooth. ness and unequaled performance In the low ranges. Construction of walnut veneer on $3 / 4^{\prime \prime}$ wood. smartly styled solid walnut ribbed speaker fronts with matching grille cloth, and round tapered legs. Beautiful oiled wal. nut veneer finish. Overall Dimen. sions: $321 / 2 \mathrm{Hr} 180 \times 16^{\circ} \mathrm{W}$. Shpg. we., 50 lbs.
> 20 T0142WX
"THE CUBIST" RECORD STORAGE HASSACK


- Reversible Lift-Off Top with Upholstery Seat and Chess or Checker Board - Holds up to 75 Records
- Ideal for Den or Living Room
"Contemporary" styled record storage hassack of amazing design. Comes with lift-off top with a chess or checker board on one side and an uphoistered black cushion on the reverse side. Ample storage for 75 records. Equipped with hidden casters for easy mobillty. Oimen sions: $16^{-} \times 16^{-} \times 17^{-}$. Shpg. wt., 30 lbs .
20 T 0207WX $\$ 5$ monthly
Net 39.95


## LAFAYETTE'S Best Selling Automatic Record Changers

DELUXE Model 400 4 SPEED AUTOMATIC STEREO TURNTABLE with Balanced Heavy Duty 4-Pole Motor

## $29^{95}$

Less Base
Made in U.S.A.
Diamond Needle

- Heavy $11^{\prime \prime}$ Turntable Platter
- Plays $162 / 3,331 / 3,45,78$ Records
- Intermixes Records of the Same Speed
- Beautiful Trim and Styling


Model 200 4 SPEED AUTOMATIC STEREO TURNTABLE

## $19^{95}$

Less Base Made in U.S.A.

- Plays $162 / 3,331 / 3,45,78$ Records
- Heavy $10^{\prime \prime}$ Turntable Platter
- Dial Your Own Intermix
- Heavy Duty Constant Speed Motor
- Automatic Shut-Off

ACCESSORIES FOR MODELS 200 and 400
Oiled Walnut Recessed Bases
Shpg. Wt., 2 lbs. 21 T 0201W—for Model 200 ..... Net 4.50 21 T 0203W-For Model 400 ... Net 4.50 45 RPM Spindles. Shpg. wt., 6 oz. 21 T 0202-for Model 200 ...... Net . 99 21 T 0105-For Model 400 .......Net 1.65

Tinted Plastic Dust Cover Shpg. wh. 1 lb 24 T 0904W For Model's 200,400 Net 3.95

Replacement Cartridges
24 T 2901 For Model 200 wt. 4 02. 2.50 24 T 3801 For Model $400^{\circ}$ wt. 4 02. 6.95 - with Diamond LP Needie

Deluxe Lafayette 4 -speed automatic record changer with a balanced heavy 4 -pole motor, heavy $11^{\prime \prime}$ turntable platter, professional type tubular tone arm with adjustable counter. weight. Elegantly styled with gold plated overarm. Plays $16 \frac{2}{3}, 334 / 3,45$, and 78 RPM records, both stereo and monaural, either automatically or manually. Spindle prevents double record drops. Ribbed rubber turntable mat cushiors records, and absorbs vibration thus reducing rumble. Changer automatically
turns off after last record has been played. Automatically intermixes up to seven $10^{\circ}$ and $12^{\prime \prime}$ records of the same speed. Arm comes equipped with tumover stereo cartridge with .7 mil diamond stylus for LP rec. ords, and 3 mil synthetic sapphire for 78 RPM records. Dim.: 13 "/n" $^{\prime \prime} \times 12^{\prime \prime}$. $41 / 2^{\prime \prime}$ below and $51 / 2^{\prime \prime}$ above mounting surface. For 117 VAC 60 cps . Beautiful brown and gold trim. shpg. wt., 12 lbs.
21 T0155W
Net 29.95


Model 200 is a quality 4 -speed automatic changer providing outstanding performance at a low, low price. Heavy duty $10^{\circ \prime}$ turntable platter delivers no noticeable hum, rumble, or wow. Plays $162 / 3,3343,45,78$ RPM records automatically or manually. An extra acded feature is a $7^{\prime \prime}, 10^{\prime \prime}$ or $12 "^{\prime \prime}$ record selector knob. Can dial your own intermix of up to seven $7^{\circ \prime}, 10^{\circ \prime}$, or $12^{\prime \prime}$ records of the same speed by manually
adjusting this knob. Automatic shut-off after last record has been played. Balanced featherweight tone arm is equipped with a turnover stereo cartridge with dual synthetic sapphire stylus. Dimensions: $131 / 2 \times 12^{\prime \prime}, 47 \mathbf{s}^{\prime \prime}$ above, $21 / 2^{\prime \prime}$ below mounting surface. For 117VAC 60 cps . Brown with gold trim. Shpg. wt., 10 lbs.
21 T 0154w

## Famous Precision Made Stereo Turntables

## 1D MODEL XA 2-SPEED MANUAL STEREO TURNTABLE With Choice of Elliptical Stereo Cartridge



Tuntable Comes Complete With Tone Arm, Walnut Wood Base And Plastic Dust Cover

## With Cartridge <br> $78^{\circ 1}$

No Money Down

Less Cartridge
$78^{00}$
No Money Duwn

Choice of Elliptical Stereo Cartridge For Only More With Purchase of XA Turntables
 V15/ACE. 3 29.95

## SAVE up to $29^{95}$ foom matuataol Catalog Prices

Outstanding turntable featuring a rugged 3.3 tb , balanced aluminum platter belt driven from synchronous motors operating at $331 / 3$ and 45 RPM. Turntable and arm are shoch mounted from the top plate eliminating vibration. Meets NAB specifications for broadcast equipment on wow, flutter and speed accuracy. Includes cables, overhang adjustment device and needle force gauge. Size with cover- $121 / 4 x$ $163 / 4 \times 54 / 4$. Shpg. wt., 18 lbs. 21 T7201wx $x$ less cartridge Net 78.00
21 T $7250 W \mathrm{Mm}$ XA plus Pickering V15/ACE. 3 $\qquad$ 21 T 7259wxM XA plus Empire 808 E Net 78.01 21 T 72 cowxm th plus Shure M32E Net 78.01
Model Xh/UNIVERSAL TURNTABLE-Same deluxe features as above but can be used anywhere in the world. For 110 or 220 volts, 50 or 60 cycle operation. Shpg. wt., 19 los.
21 I 7251 wX XNU less cartridge. Net 87.00
21 I $7262 W X M$ XWU plus Pickering V15/ACE 3 —— Net 87.01 21 T 7253 WXM XWU plus Empire $808 E$ _._. Net 87.01 21 T 7264 WXM XMU plus Shure M32E Net 87.01
Extra cartridge shell for AR turntables. Wt., 1 oz. 2177257

MIRACORD MODEL 5OH 4.SPEED STEREO AUTOMATIC TURNTABLE


No Woney Down

50H With Shure M93E Elliptical
Cart. Less Base


No Money Down

SAVE 39.94 from Individual Catalog Prices When You Purchase Shure M93E Ellip. Cartridge With the 50 H

Superb, 4-speed automatic turntable-Push. button controls, papst hysteresis motor, dynamically balanced tone arm with verniep counterweight. Built-in anti-shating, cueing. For 78, 45, 33, and 16 RPM records. Size: $141 / 2 W \times 121 / 2 \mathrm{D}$; requires $5 \%$ above plate, $37 \%^{\prime \prime}$ below, 110 V 60 cycle AC. Imported. Less base. Shpg. wt., 24 lbs.
21 T 1835 wx 50 H Less Cartridge Net 149.50 50 H Pius Shure M93E Ellid. Cart.
21 T 1646 wx m $\$ 8$ Monthly ........... Net 149.51 ACCESSORIES FO. 50 H
WALNUT BASE. Shpg. wt., 5 lbs, 217 1644WX DUST COVER, ShDg. wt., 1 lb . 21 T1645WX

Net $\mathbf{8 . 9 5}$
Net $\mathbf{6 . 5 0}$

BOGEN D62 4.SPEED STEREO MAMUAL TURNTABLE


B62 Less Cart. And Base
$67^{95}$
No Money Down

862 With Pickering V15/ACE-3 Ellip. Cart. Less Base

SAVE 29.94 From Individual catalog Prices When You Purchase Pickerins Vi5/ACE-3 Ellip Cartridge With 862.

Deluxe turntabfe features four pole, heavy duty, constant-velocity motor and non-ferrous $7 \% / 4 \mathrm{lb}$, turntable providing no measurable hum or flutter. Four speeds: 162/3, 331/3, 45 and 78 rpm , continuously variable from 29 to 86 rpm . Professional style arm has plug-in head. Arm has micrometer-type, easy to read weight adjustment gauge. Less than $0.2 \%$ wow and flutter. For $95-125$ volts 60 Hz AC. Imported from Switzerland. Less base. Shpg. wt., 20 lbs.
21 I 1721 wx B-62 Less Cartridge Net 67.95 B-62 Plus Pickering V15/ACE-3 21 T1765wx $\$ 5$ Wonthly............. Net 87.96 ACCESSORIES FOR B-52
21 T 1754w Walnut Base. Wt., 5 lbs. Net 8.25 2171755 W Dust Cover. Wt., 1 W. Net 8.25

## NEW DELUXE EMPIRE 398A MANUAL STEREO TURNTABLE



## 398A

Less Cart. And Base

## 19995

No Money Down

Empire 398A-A deluxe three-speed Iranscription turntable. Features new callbrated gram scale adjustable antishate. Speeds: $331 / 3,45,78$ RPM, Vibration tree belt drive and dynamically balanced hysteresis synchronous motor. Precision machined heavy aluminum base plate and balanced 6-pound aluminum turntable, 980A tone arm features free suspension and perfect dynamic balance in all planes. Trachs at less than 1 gram. Satin gold finish. Includes oiled walnut wood base. Size: $17 \mathrm{~W} \times 150 \times 81 / \mathrm{m}^{" H}$. Shpg, wt., 28 lbs.
21 I 3401wx $\$ 10$ monthly
Net 199.95
New Emplre 888VE Elifitical Cart. 21 Y 3479 l \$5 Monthly.

Net 59.95 Save 59.94 Empire 398A Turntable plus Em. pire Basve Elljptical Cartridge. 21 3480wx $\$ 10.00$ Monthly.... Net 199.96


## DELUXE DUAL 1019 STEREO AUTO/PROFESSIONAL TURNTABLE

 With Choice of Elliptical Stereo Cartridge Deluxe automatic stereo turntable combining unrestricted flexibility of operation with professional quality. Fully automatic and manual operation. Four speeds $162 / 3,334 / 3,45,78$ RPM. Elevatoraction changer spindie hoids up to 10 records. Oynamically balanced tonearm tracks and trips with as low as $1 / 2$ gram stylus force, permitting use of the finest high compllance cartridges at their lowest recommend tracking forces. Arm is completely free Hoating during play. Slip clutch prevents jamming. Direct reading stylus force adjustment and anti-skating compensation. Feather-Touch cueing control for both manual and automatic operation. Seven pound dynamically balanced non-ferrous cast turntable platter. Concave platter mat prevents slippage when playing warped records. Powerful constant speed continuous-pole motor with $6 \%$ vernjer varlable speed control. Magnesium tone arm head. Cartridge holder has adjustment for stylus overhang. Autormatic shut-off after last record has been played. Trim is of cast metal. Size: $123 / 4^{"} \times 1012^{\prime \prime}, 6^{\prime \prime}$ clearance above and $3^{\text {" }}$ below mounting board. $1 / z^{\prime \prime}$ clearance at rear and right for cabinet installation. 110/220V. 60 cycle AC. Imported. Shpg. wt., 24 ibs. 21 T 6533wx 1019 Less Cartridge $\qquad$ Net 129.50 21 T 6556 wxM 1019 Plus Pickering vis/ATE. 3 Ellip. Cart. Net 129.51 21 T 6539 wx 1019 Plus Empire 888 E Eillip. Cart. $\qquad$ Net 129.51 21 T 6561 wxol 1019 Plus Shure M93E Ellip. Cart. $\qquad$ Net 129.51 21 T 6562 WXM 1019 Plus Pick XV1S/AME Ellip. Cart. $\qquad$ Net 134.50 21 T 6563 wxM 1019 Plus Empire 888TE Ellip. Cart. $\qquad$ Net 134.50 21 T 6564 wxM 1019 Plus Shure M91E Ellip. Cart. Net 134.50
## NEW DUAL 1009F STEREO AUTO/PROFESSIONAL TURNTABLE With Choice of Elliptical Stereo Cartridge

 Same deluxe features as Model 1019 except plays only 3 speeds$331 / 2,45$, and 78 RPM. Dynamically balanced turntable platter of non-ferrous alloy, weighs 4 lbs. Plastic trim. Operates on $110 / 220$ volts 00 cycies AC. Size: $121 / 4 \times 1042^{\prime \prime}$. Imported, Shpg. wt., 21 lbs . 21 T 6559 wX 1009 F Less Cartridge. . Nert 109.50 21 I 656 WWXM 1009F Plus Pick V15/ATE-3 Ellip. Cart. 21 T $6569 w \times M$ 1009F Plus Empire 888 E Ellip. Cart. $\qquad$ Net 109.50 $\qquad$ Net 109.51
Net 109.51 Net 109.51 21 T 6565 wxM 1009F Plus Pick. XV15/AME Ellio. Cart - Net 114.50 21 T 6565 Wxm 1009f Plus Empire 888TE Ellid. Cart. Net 114.50 21 T 6567 WXM . 1009 F Plus Shure M91E Ellid. Cart. Net 114.50

## NEW DUAL 1015F STEREO AUTOMATIC TURNTABLE <br> With Choice of Elliptical Stereo Cartridge

New popular-priced 3 -speed automatic turntable with many of the fine features of the more expensive Dual models. Oynamically bal. anced tone arm tracks as low as $1 / 2 \mathrm{gram}$. Direct-dial anti-shating control, manual and automatic cuelng control. Variable pitch control. 4 .pound turniable platter. $12 \mathrm{t} / 2 \times 103 / 4{ }^{\prime \prime}$. Imported. wt., 21 lbs. 21 T 6560 wX 1015F Less Cartridge $\$ 5$ Monthly Con Net 89.50 21 T 6571 wxm 1015 F plus Pick. V15/ATE-3 Ellip. Cart. - Net $\mathbf{8 9 . 5 1}$ 21 T $6512 w x M$ 1015F plus Empire B88E Ellip. Cart. $\qquad$ Net 89.51 21 T 6573 WXM 1015 F plus Shure M.93E Ellip. Cart. $\qquad$ Net 89.51 21 T 6574 WxM 1015 F Plus Pick. XV15/AME Ellip. Cart. Net 94.50 21 I $6575 W \times \mathrm{Mm}$ 1015F Plus Empire 888 EE Ellip. Cart. $\qquad$ Net 94.50 21 T 6576wxm 1015F Plus Shure M-93E Ellip. Cart. Net 94.50

## ACCESSORIES FOR DUAL TURNTABLES

| STOCK MO. | MAMUF. NO, DESCRIPTION |  | SHPC. WT. | NET |
| :---: | :---: | :---: | :---: | :---: |
| 21 T6558w | WB-93 | Oll Walnut 8ase | 6 lbs. | 11.95 |
| 21 T6549w | DC 3 | Plastic Dust Cover | 2 lbs. | 4.95 |
| 21 T 5550w | DC8-3 | Intergrated Oiled | 13 tos. | 29.50 |
|  |  | Wainut 8ase and |  |  |
| 21 T6525 | AS. 9 | Plastic Oust Cover 45 RPM Spindle | $2 \mathrm{lbs}$. | 5.95 |
| 21 T6551 | CH-19 | Cartridge Holder | 3 oz . | 3.95 |

# All Garrard Synchro-Lab Models built around a brilliant synchronous motor which locks into current...speeds cannot vary 

 A revolutionary advancement in record player motors...gives you the best features of both induction and synchronous types! Induction feature provides high starting torque, instant acceleration; synchronous action insures perfectly constant record speed, regardless of variations in voltage, temperature, stylus pressure or turntable load-plus freedom from rumble.
## GARRARD SL-65 AUTOMATIC TURNTABLE

 with Choice of Stereo Elliptical Cartridges

Excitlng automatic lumtable with tubular, dynamically balanced, counterwelght-adjusted tonearm. Stylus pressure set with precision knurled optical type knob. Cast, balanced .oversized turrtable. Cueing and pause lever control. Automatic anti-skating assembly. Plays $162 / 3,331 / 3,45$, and 78 RPM records. Intermix operation. Automatic and manuai spindies. Connecting cables. For $110-130 \mathrm{~V}$ 60 Hz AC. Dim.: $153 \mathrm{WW} \times 134 / \mathrm{H}^{\prime \prime} \mathrm{L}$, above motor board $4 y_{4}$ ", below $27 / 0^{"}$. Shpr. wt., 13 tbs. less base. Imported from England.
21 r 3790wx
21 T 4007 WXM SL- 65 plus Pickering V15/ACE-3
21 T 400awXM St. 65 plus Empire 808 E
21 T 4009 WXM SL-65 Plus Sture M32E
21 T 4035 WXM SL-65 plus Pickering V15/ATE-3
21 I 4036 WXM SL-65 plus Empire 888E
21 T 4037WXM SL-65 plus Shure M93E

Net 79.50
Nel 79.51 Nel 79.51 Nei 79.51 Net 84.50 Ne! 84.50

Excelient compact modet, featuring lightweight tubular tone arm, with fixed counter balance weight, stylus pressure indicator with gram martings. Cueing lever control. Oversized turntable with decorative mat. Four accurate speeds: $162 / 3,331 / 3,45$, and 78 RPM. Automatic intermix operation when desired. Handsomely styled unitized control panel. Connecting cables. For $110-130 \mathrm{~V} 60 \mathrm{~Hz} \mathrm{AC}$. Dim.: $147 / 4 W \times 13 y / h^{\prime} 2$, above motor board $4 \% 4^{\prime \prime}$, below $27 / \mathrm{m}^{\prime \prime}$. Shpg. wt., 11 lbs. less base. Importd from England. 21 T3791wx SL-55 only

Net 59.50
21 T 4010WXM SL-55 plus Pickering V15/ACE-3
21 T 4011 WXM SL. 55 plus Empire 808 E
21 T 4012 WXM SL-55 plus Shure M32E
21 T 4038 WXM SL-55 plus Pickering V15/are-3
21 T 4039 WXM SL. 55 plus Emplre 888 E
Net 59.51

21 T 4040 WXM SL-55 plus Shure M93E

Net 59.51 Net 59.51 Net 64.50 Net 64.50 Net 64.50

## SAVE UP TO $44^{95}$

from Individual Catalog Prices when you purchase an Elliptical Cartridge with your Garrard Automatic Turntable

Your Choice Of Stereo Elliptical Cartridges For Only 1 c More or $5^{00}$ More
 complete description of each elliptical cartridge.


Pickering V15/ACE-3 Empire 808E 29.95
29.95


Pickering XV-15 AME 49.95


Shure M32E
29.50

39.95


Shure M93E 39.95
pire 888TE 49.95

Carrard Turntables Are Available on Easy Pay Plan

## <ancard AUTOMATIC TURNTABLES

 - Fine Garrard Built Motor - Automatic Intermix Operation

Garrard 4-speed automatic stereo turntable designed especially for use in low priced hi-fi systems, and perfect for replacement in consoles and phonographs. Features oversized, weighted turntable, one piece cast aluminum tone arm, ultra compact size. Plays $16 \frac{1}{2}, 331 / 3,45$ and 78 RPM records. Intermix automatic operation when desired. Two spindles-short for manual, center drop for automatic play. With ceramic-cartridge, diamond stylus. All connecting cables. Dim.: 141 Kox $123 / 4 \mathrm{~m}$, above motor board $43 / 4 "$, below $214^{\prime \prime}$. Shpg. wt., $10 \frac{1}{4}$ lbs. For $110-130 \mathrm{VAC}, 60 \mathrm{~Hz}$. Shpg. wt., 11 lbs. less base. Imported from England. 21 T $3792 \mathrm{~W} \$ 5$ Monthly

Net 39.50

4 speed automatic intermix stereo turntableplays $162 / 3,33,45$, and 78 RPM. Counterweighted cast aluminum tone arm. Handsomely styled unitized control panel with separate positions for manual and automatic play. Simple, convenient stylus pressure adjustment. Oversized turntable with decorative mat. Garrard 4 -pole shaded "Induction Surge" motor, with dynamically balanced rotor, shielded from hum. Sire: $141 / 4 L x$ $121 / 2^{20}$ D. Requires $43 / /^{\prime \prime}$ above and $27 / 0^{\prime \prime}$ below motor board. With all connecting cables. Less base. For $110-130$ volts, AC 60 Hz . Shpg. wt., 11 lbs. Imported from England.
21 T 3756W 40 only .... Net 44.50 21 I 4013 WM 40 Dlus Pick. V15/AC-3* Net 44.51 21 T 3767WM 40 plus Empire 888. .... Net 44.51 21 T 4020WM 40 plus Shure M. $75.6^{\circ}$. Net 4.51 21 T 401 aWM 40 plus Pick. V15/ACE3* Net 49.50 21 T 4015 w A 40 plus Empire $808 E^{*}$.. Net 49.50 21 I 4016 WM 40 plus Shure M32E* .... Net 49.50 -See Page 120 for Complete Description of Cartridges


ACCESSORIES FOR GARRARD AUTOMATIC
(A) New Garrard Simulated Black Leather Base with Silver Trim. Must be used with new 1969 D1 and D2 Dust Covers. (See below). Shpg. Wt., 2 lbs .
21 T 4022W - Model B1 for SL55, SL65, 30, 40, 20 Net 4.95
21 T 4023W - Model B2 for SL75 and SL95 ................... Net 5.95 (B) New Power-Matic Bases: Automatically turns off amplifier after last record has played. For $110 \mathrm{VAC}, 60 \mathrm{~Hz}$. Wt., 6 lbs.
21 T 4024 W - Model B1P for SL55, SL65, 30, 40, 20 ..... Net 14.95 21 T 4025 W - Model B2P for SL75 and SL95

Net 15.95 (C) New Garrard Crystal Clear Styrene Dust Covers. Can be used in place while playing a stack of records, can tilt cover to load records or operate turntable. Must be used with new 1969 Bases 81, 82, B1P, B2P only. (See above). Shpg. wt., $11 / 2$ lbs. ${ }_{21}$ T 4026 W - Model D1 for SL55, SL65, 40, 30, 20 ..... 21 T 4027 W - Model 02 for SL75, SL95

Net 4.55 (D) Lafayette Wood Mounting Boards - Unfinished, wt.. $11 / 2$ Ibs 24 T 1216 W For SL75, SL95

Net 1.30 24 T 1209W For SL55, SL65, 40, 30, 20 ................................. 1.30 (5) Extra-plug in Shells with all mounting accessories. Wi., 6 oz. 2才 T 3728 For SL55, SL65, 40, 30 and 20 Series .............. Net 1.75
 21 T 3798 for SL75

Net 1.75
(F) 45 RPM Spindles. Shpg. wt., 10 oz .

21 T 3777 For SL55, SL65, 30 and 40 Series
Net 1.75
Net 3.80

# NEW! 

## Pre-Mounted on Walnut Wood Base with Piastic Dust Cover, and Diamond Needle Cartridge

- Perfect Companion For Shelf Component Systems
- Automatic or Manual Play at $16,33^{1 / 1}, 45,78$ RPM
- Intermixes $10^{\prime \prime}$ and $12^{\prime \prime}$ Records Of The Same Speed
- Automatic Shut-off After Last Record

A versatile, dependable 4 -speed automatic stereo record changer pre-mounted on a walnut wood base-completely ready to plug into your audio equipment. Especially suited for bookshelf widih component systems and compact equipment installations. Features low-mass tone arm, high quality ceramic turnover stereo cartridge with diamond LP needie, detachable spindie, vibration-free dynamically balanced 2 -pole motor. Handles stack of 6 -records automatically or can De operated as a manual player. Also includes tinted plastic dust cover, UL listed AC cord, and all audio cables. Size (Includes Base): $1436 \times 5 \times 10^{-}$. Shpg. wt., 7 lbs. For 110.130 volts AC, 60 Hz . Made in England.
21' 1401w \$5 Monthly


No Money Down

## NEW! Sarrard "MODULE SLX-2"

THREE SPEED AUTOMATIC TURNTABLE COMPLETE WITH HANDSOME MATCHING BASE, COORDINATED DUST COVER AND HIGH PERFORMANCE MAGNETIC CARTRIDGE

Precision 3-speed synchronous automatic turntable pre mounted on a coordinated Garrard base with removable dustcover. Complete with fine quality high performance diamond needle stereo magnetic cartridge installed. Synchro-labs motor for con. stant synchronous speed, dynamically balanced tone arm with ball bearing pivots, cueing and pause control, adjustable sylus pressure gauge bullt into tone arm-adjustable from 0 to 5 grams. Plays 331/3, 45, or 78 rpm records ( $12{ }^{\prime \prime}$, $10^{\prime \prime}$ or $7{ }^{\prime \prime}$ ). For $110-130$ VAC 60 Mz . Dim (on base): $15 \mathrm{~W} \times 13140 \times 71 / 4 \mathrm{H}$. With all connecting cables. Shpg. Wt. 14 los. Imported from England. 21 f043wx $\$ 5$ Monthly

Module SLX2<br>Complete with<br>BASE, DUST COVER<br>And<br>MAGNETIC<br>CARTRIDGE<br>$69^{50}$



## LAFAYETTE PHONO PREAMPLIFIERS

## MONAURAL PHONO PREAMP STEREO PHONO PREAMP

Only
$5^{95}$
Only
$9^{95}$

- Ideal For Use With Amplifiers That Do Not Have Low Level Inputs For Magnetic Cartridges


Self-powered stereo preamplifier for use with any stereo amplifier that does not have low level inputs for magnefic cartridge, tape head, or microohone. Response: $\pm 2 \mathrm{db} 30 \cdot 20,000 \mathrm{Mz}$. Gain (Phono graph): 40 db .5 mv Input for i volt output. Gain (Microphone): 60 db, 1 mv input for 1 volt output. Output impedance: 100,000 ohms Preamp has Phono-Tape Equalization Switch, 4 input jacks, 216 -inch output leads with RCA phono plugs. Power supply: 105.125 VAC $50 / 60 \mathrm{~Hz}, 8$ watts. Sire: $57 \mathrm{~m} \times 3$ th $\times 42 / \mathrm{s}^{\prime \prime}$. Pollished chrome chassis. Less 212 ax 7 A tubes. imported.
99 T 0139 Shpg. wt., $31 / 2 \mathrm{lbs}$.
36 T 3190 12AX7A tube for above ( 2 required) ___ Net 1.19

A self powered monaural pre-amplifier for use with any $\mathrm{HH} . \mathrm{FI}$ ampli. fier that does not have a low level input for magnetic cartridges, tape head, or microphone. Response: $\pm 2$ tb $30-20,000 \mathrm{~Hz}$. Gain (Phono): $40 \mathrm{db}, 5 \mathrm{mv}$ input for 1 volt output. Gain. Mitke 60 db , 1 mv input for 1 volt output. Output impedance: 100,000 ohms Phono-Tape Equallzation switch, 2 input jacks, 16 inch outout lear with RCA phono plug. Power supply: $105-125$ VAC, $50 / 60 \mathrm{Mz}, 4$ watts. Size: $37 / 4 \times 35 / \mathrm{s} \times 31 \mathrm{k}$. Polished chrome chassis. Less $12 \mu \times \mathrm{xa}$ tube. Imported. Shpg. wt., $21 / 2$ lbs.
99 T 0438
36 T 3190 12AX7A lube for above. Shpg. wt., 40 oz .
Net 1.13

## Deluxe LAFAYETTE SOLID STATE STEREO MIXER/PREAMP

- For Power Amplifiers Without Low-Level Inputs for Magnetic Cartridges, Tape Heads, and Low Impedance Mikes
"All-Transistor" stereo-mixer/preamp! For use with any power amplifier not incorporating low-level inputs for magnetic cartridges, tape heads and low-impedance microdhones. Raises the output of any low level source without affecting the signal-to-nolse ratio. Features: 2 -mike, 2 -phono, 2 -tape inputs, volume controls for left/ right channel; equalization switch; power off/on switch; mode switch; built-in 9V DC power supply, or, operates off $117 \mathrm{~V} 50 / 60$ HZ AC. Input impedance: 50K ohms. Output impedance $5 K$ ohms at max. vol. Size: $21 / 2 \mathrm{H} \times 7 \mathrm{~W} \times 51 / 2-0$. With battery. Imported. Shpg. wt. $13 / 4$ lbs.
95 个0178


#  



## PICKERING MAGNETIC STEREO CARTRIDGES

[ $\square$ DEIUXE XV.15 D.C.F: SERIES - Engineered so that each type cartridge in the series is specially indexed with a DCF* number for use with specific playback equipment. Provides maximum stylus performance. Includes "Dustamatic Brush" which automatically cleans the grooves in advance of the stylus. Specifications: Channel separation 35 db ; Nominal output XV-15/750, XV-15/AME 5.5 mv , XV-15/ ATE, $X V-15 / A C \quad 8.0 \mathrm{mv}$. Frequency response 10 to $25,000 \mathrm{~Hz}$., except XV-15AC $10-20,000 \mathrm{~Hz}$. Stylus type: XV-15/750 .0002" x.0009*e elliptical: XV-15/AME .0003" X .0009" elliptical; XV-15/ATE $0004^{\prime \prime} \times$ .0009 " elliptical; XV-15/AC . 0007 conical. fracking force: XV-15) $7501 / 2$ to $1 \mathrm{gram}, \mathrm{XV}-15 / \mathrm{AME} 3 / 4$ to $11 / 2 \mathrm{grams} ; X V-15 / \mathrm{ATE} 1$ to 4 grams; $X V-15 / A C 2$ to 6 grams. Shpg. wt., 602 .

| Stock No. | Model | DCF: | For | Net |
| :--- | :--- | :--- | :--- | ---: | ---: |
| 21 T5386L | XV-15/750 | 750 | Manual turntables | 60.00 |
| $21 Y 5375 L$ | XV-15/AME | 400 | Manual tumtables | 49.95 |
| $21 Y 5378 L$ | XV-15/ATE | 250 | Automatic turntables | 44.95 |
| $21 T 5379 L$ | XV-15/AC | 100 | Automatic changers | 29.95 |

## - Dynamic Coupling Factor

D DELUXE "MICRD-MAGNETIC" DUSTAMATIC PM. SERIES. DUSTA. matic stylus will protect your records from dust and preserve their natural sound. Integrated with the stylus assembly, the Dustamatic brush automatically cleans the grooves in advance of the stylus without interfering with the tracking force. Improves stability by preventing your tone arm from skating. SPECIFICATIONS: Freq. Response AME-3 10 to $25,000 \mathrm{~Hz}$, ATE-3, AM-3. AT-3 10 to $23,000 \mathrm{~Hz}$ ACE-3, AC. 310 to $20,000 \mathrm{~Hz}$; Output: AME- 35.5 mV . AM-3, ATE-3 6.5 mV , AT. 3 , ACE-3, AC. 3 7. 7.5 mV ; Separation: All 32 db except ACE. 3 and and AC. 326 db; Tracking Force AME. $31 / 4$ to $11 / 2$ grams, AM- 31 to 3 grams . ATE-3, AT- 32 to 5 grams, ACE- 3 to 5 grams, AC- 3 3 to 7 grams. Average shpg. wt., 5 oz .
21 T5370L V15/AME-3 Elliptical $\$ 5$ monthly 21 T 5374 L V15/ATE-3 Elliptical $\$ 5$ monthly 21 T 5377 V15/ACE-3 Elliptical 21 T 5372 L V15/AM-3 Conical $\$ 5$ monthly 21 15373L V15/AT-3 Conical

Net 44.95 21 T5376L V15/AC-3 Conical

Net 39.95 Net 29.95 Net 34.95 Net 29.95
Net 24.95

C] P SERIES STEREO CARTRIDGE - Frequency Response 20-15,000 Hz. Nominal output P/AT-1 8.5 mv P/AC-1 9.0 mv . Channel separation $20-25 \mathrm{db}$. Tracking force: P/AT-1 2 to 5 grams; P/AC-1 3 to 7 grams with .7 mil diamond stylus. Shpg, wt., 402.
21 T 5356 L P/AT-1 for manual turntable
Net 17.95 21 T 5357 L P/AC-1 for record changer

Net 15.95

## EMPIRE MAGNETIC STEREO CARTRIDGES

[1 888 SERIES. Deluxe stereo cartridges with patented "Magne Tic Cone Stylus." Frequency response 888-12 to $25,000 \mathrm{~Hz}$ $888 \mathrm{E}-10$ to $30,000 \mathrm{~Hz}, 888$ TE 8 to $32,000 \mathrm{~Hz}, 888 \mathrm{VE} 6$ to $32,000 \mathrm{~Hz}$ Channel separation for each cartridge exceeds 30 db . Tracking force: $888-3 / 4$ to 6 grams, $888 \mathrm{E}-1 / 4$ to 6 grams. $888 \mathrm{TE} 1 / 2$ to 3 grams. $888 \mathrm{VE} 1 / 2$ to 2 grams. Tracking angle $15^{\circ}$ on all cartridges. Stylus: $888-.7 \mathrm{mll}$ conical diamond, $888 \mathrm{E}-.4 \times .9$ mill elliptical diamond, $888 \mathrm{TE}-888 \mathrm{VE} .2 \times .7$ mil. elliptical hand polished diamond. Shpg. wt. 7 oz .
21 Y 3418 L 888 Conical - for automatic turntable
Net 24.95 21 T 3457 L 888 E Elliptical - for automatic turniable - Net 39.95 21 T 3469 L 888TE Elliptical - for manual turntable Net 39.95
Net 49.95 21 T3479L 888VE for manual turntable

## Tone Arms, Cartridges, Replacement Diamond Needlles

## DELUXE SHURE AND EMPIRE STEREO TONE ARMS



Shure M232
SHURE PROFESSIONAL MODEL M232 TONE ARM. A qualialy $12^{* \prime}$ tone arm that ACCEPTS PRACTICALLY ALL CARTRIDGES and permits them to operate at their maximum potential performance. Features precision ball oearings at all pivot joints, plug in head with positive alignment lock and variable height adjustment. Positive visual control over balance without altering overall arm length. Tracking force $11 / 2$ to 6 grams. Comas with arm rest, mounting template, mounting hardware. Shpg. wt. 2 lbs .
21 T 6251 L
Net 29.95
Model M236 Same as Model M232, but for $16^{\circ}$ Record:.
Shpg. wt., $21 / 2^{\prime \prime}$ lbs.
21 T 6252L \$5 Monthily
Net 31.95
Shure A23H Extra Plug in Head
21 T 6253L Shpg. wt., 2 oz.
Net 2.40
NEW EMPIRE 980A ARM. Improved version of famous selling 980 arm now with adjustable anti-skating for all fracking forces up to 3 grams. Features free suspension and 'perfect dynamic balance in all planes. Maximum compllance, tracks at less than $1 / 2$ gram. Fundamental resonance 8 Hz . Calibrated knob "dials" stylus force, 5 -wire circuit eliminates ground loops. 4 ft . shielded cable assembly plugs in. Satin gold finish. Overall length $12 \%{ }^{\prime \prime}$. Height adjustable $13 / \mathrm{e}^{\prime \prime}$. Shipg. wt. 2 lbs.
21 Y 3483 L \$5 monthly
Net 64.95

## ORTOFON SL-15T STEREO ELLIPTICAL CARTRIDGE WITH TRANSFORMER

 NEW

Designed to meet the full capabilities of the finest tianscription turntables. Includes high impedance matching transformer with cable assembly. Freq. response $10-40,000 \mathrm{~Hz}$, channel separation $20-30 \mathrm{db}$, stylus pressure $3 / 4$ to $11 / 2$ grams. Output impedence 2 . ohms. Polished elliptical diamond stylus. 21 T 2109L $\$ 5$ Monthly

DIAMOND REPLACEMENT NEEDLES FOR FAMOUS Hi-Fi CARTRIDGES
Exact Styli Replacements for Pickering, Shure, Empire, GE and ADC


# Stereo-Mono and Cartridge-Styli Units 

## SONOTONE CERAMIC STEREO/MONO CARTRIDGES FEATURING SONO-FLEX "F" STYLUS

The new Sono-Flex "F" needie featured in the series 9TAF, 16TAF, 18T. 21T and 24TA Ilsted below is an accident-proof drop-proof needle. Can be fllcked, knocked, twisted in a $360^{\circ}$ circle and it will spring back. Styll code for all below: $D=$ Diamond; $S=$ Synthetic Sapohire.


## SERIES $21 T$ <br> STEREO CARTRIDGE FOR TRANSISTOR APPLICATIONS

High output ceramic replacement cartridge. Has "bottoming" buttons which act as shock absorbers between needle assembly and the record. Smooth response over entire audio hearing range. Output voltage 0.60 volt; compliance $5.5 \times 10^{-4} \mathrm{~cm} /$ dyne; channel separation 2lob; tracking force 4.7 grams. with standard mounting bracket. Shpe. wt., 502.

| Stack No. | Mfg. No. | Styll | Net |
| :--- | :--- | :--- | :--- |
| 24 T 7950 | $21 \mathrm{~T}-S$ | S.7.S3 | 4.90 |
| 24 T 7951 | $21 \mathrm{~T}-$ S77 | S.7-S.7 | 4.90 |
| 24 T 7952 | 21 T -SD | D.7.S3 | 6.98 |

## SERIES 8TA CERAMIC STEREO-

MONO
CARTRIDGE
Series 8 TA incorporate rumble suppression and have standard $1 / 2^{\prime \prime}$ mounting celiters. Response is $20 \cdot 15,000 \mathrm{~Hz}$ with gradual rolloff to $20,000 \mathrm{~Hz}$ output is 0.3 volts; compliance is $3 \times 10^{-4} \mathrm{~cm} /$ dyne for each channel. Separation is 20 db ; tracking force is 3.6 gm .; weight $72 / 2 \mathrm{gms}$. All models are turnover types with .7 mil and 3 mil styll for all mono and stereo records except * has two .7 mil for LP and stereo. Avg. shog. wt., 402.

| 24 T 7907 | 8TA-4S | S.7-53 | 5.60 |
| :---: | :---: | :---: | :---: |
| 24 T 7908 | 8TA-4SD | 0.7.53 | 8.60 |
| 24 T $790{ }^{\circ}$ | 8TA-4S77 | \$.7.5.7 | 6.60 |

SERIES 16TAF and 18T CERAMIC STEREO/MONO CARTRIDGE


Response $\pm 1 \mathrm{db} 20 \cdot 10$. 000 Hz with roll off to $12,000 \mathrm{~Hz}$; output .63 volt; Comuliance 2.4 $\times 10^{-6} \mathrm{~cm} /$ dyne. Separation 22 db: Tracking force $\mathbf{5 - 7}$ grams, wt. 2.75 grams . Tumover with dual styll. Shpg. wt., 6 oz .

| Stock No. | Mfg. No. | Styli | Net |
| :---: | :---: | :---: | :---: |
| 24 T 792 | $16 T$ | S.7-53 | 0 |
| 24 T 7922 | 16TAF-S77 | S.7-5.7 | 4.9 |
| 24 T 7923 | 16TAF-SD | D.7-53 | 6.9 |
| Series 18T-same specifications as except output is 1.0 volts. |  |  |  |
| Stock Mo. | Mfe. No. | Styll | Net |
| 24 T 7924 | 18 TAS | S.7.53 | 4.52 |
| 24 T 7925 | 18TA-S77 | \$.7-5.7 | 4.52 |
| $24 T 7926$ | 18TA-SD | 0.7.53 | 6.60 |




## Rugged stereo cartridge specially made for

 use with transistorized amplifiers. Supplied with standard mounting bracket for easy installation. Smooth response from 20-15,000 Hz . Output .28 volt. Compliance $3.0 \times 10.4$ $\mathrm{cm} /$ dyne. Separdte 25 db . Tracking force 4 to 7 grams. Capacitance 41 pf . Wt., 602.| Stock No. | Mig. No. | Styll | Net |
| :--- | :--- | :---: | :---: |
| 24 T 7953 | 24TA-S | S.7.S3 | 6.60 |
| 24 T 7954 | 24TA-S77 | S.7.S7 | 6.60 |
| 24 T 7955 | 24TA-SD | D.7.S3 | 8.79 |

## 2 <br> SERIES 51T and 54T CERAMIC STEREO CARTRIDGES

SERIES 51T - High output ceramic stereo cartridge. Now in use by many phono manufacturers and ideal for general replacement. Output .053 volt; compliance $3.5 \times 10.6$ $\mathrm{cm} /$ dyne. Separation 22 db . Tracking force 5.7 grams. Capacitance 770 pf. Standard mounting dimension, fuse clip type bracket for easy installation. Shpg. wt., 6 oz.

| Stock NO. | Mfic. No. | Styll | Net |
| :---: | :---: | :---: | :---: |
| 24 T 7956 | 51 T - | S.7-53 | 4.90 |
| 2417957 | 51T-577 | S.7-5.7 | 4.90 |
| 24 T 7958 | 51T.SD | 0.7-53 | 6.98 |

SERBES 54T - High performance cartridge Ideal for transistor ampliflers. Response 20. $14,000 \mathrm{~Hz}$; output 2.6 volt; separation 22 db; complance $3.0 \times 10-6 \mathrm{~cm} /$ dyne; tracking force 5.7 grams; capacitance 4100 pf. Standard mounting dimension, fuse clip type bracket. Shpg. wt., 6 oz.

| Stock No. | Mfg. No. | Styll | Net |
| :--- | :--- | :--- | :--- |
| 24 T 7959 | $54 T-S$ | $S .7-S 3$ | 6.60 |
| 24 T 7960 | $54 T-S 77$ | $S .7 . S .7$ | 6.60 |
| 24 T 7961 | $54 T-S D$ | $0.7 . S 3$ | 8.74 |

 SERIES 9TAF $17,000 \mathrm{~Hz}^{-}$, with roll off to $20,000 \mathrm{~Hz}$; output . 35 volts; Compliance $5.5 \times 10$-* cm./dyne. Separation 30 db ; tracking force 2.5 gms , Weight 3.2 gms . Turnover with dual styli. Shpg. wt., 6 oz.

| Stock No. | Mfte. No. | Styli | Me |
| :---: | :---: | :---: | :---: |
| 24 T 7917 | 9TAF.S | S.7-53 | 8.67 |
| 24 T7910 | 9TAF-S77 | S.7-5. 7 | 6.67 |
| 2417919 | 9TAF-SD | D.7-53 | 8.74 |
| 24 T7920 | 9 9AF.D77 | D.7-0.7 | 8.50 |

SERIES $10 T 2$ UNITIZED CERAMIC STEREO/MONO CARTRIDGE

This fully compatible ceramic comblnation cartridge-styll with tumover mount can be installed in practically any tone arm in few minutes. Terminal soldering has been eliminated by a unique plug socket design. Covers the complete high fidellty range $20-15,000 \mathrm{~Hz}$ flat RIAA. 0.5 V output, 6.8 gms . tracking force. Shpg. wt., 6 oz .

| Stach No. | Mir. No. | Styll | Net |
| :--- | :--- | :--- | :--- |
| 24 T 7934 | $10 T 2 . S$ | $S .7-53$ | 5.24 |


| 24 T 7935 | 10 T 2 SD | $\mathrm{S.7-3}$ | 5.24 |
| :--- | :--- | :--- | :--- |
| 24 T 7936 | $10 \mathrm{~T} 2-\mathrm{S} 77$ | $\mathrm{D.7-3}$ | 7.32 |

## EXACT REPLACEMENTS FOR PLUG-IN AND POWER POINT CARTRIDGES

Exact replacements for the popular Elec trovoice power points, Astatic Sound-flow and Jensen combination cartridge.styll. Made in U.S.A. Shpg. wt., 607.
Replacement ior Astatic 137 TX , Electrovoice 130, and Jensen A-44XSD. Has diamond .7 mil and synthetic sapphire 3 mil stylif. $24 T 3703$

Net 3.95
Replacement for Astatic 13T, Electrovoice 13, and Jensen A-44X. Same as above but both tios synthetic sapphire.
2453702
Net 2.95
Replacement for Astatic 81T, Electrovoice 81, and Jensen A.41. Has 1 mil and 3 mil styll-both synthetic sapphire.
24 T 3701
Net 1.73

## ELECTRO-VOICE FEATHERIDE WIDE-RANGE CERAMIC



- Absolutely Scratch Proof - Plays Stereo or Monaural

Protect your records with these fine floating action spring-suspension cartridges which makes it practically impossible to damage either record or stylus. Reduces distortion caused by warped records. Both are Hi-fi quality and will fit all standard arms with $1 / s^{\prime \prime}$ or $1 / 2^{\prime \prime} \mathrm{mtg}$. centers. Excellent separation and low distortion. Equipped with .7 mil diamond and 3 mil synthetic sapphire styll. Shpg. wt., $50 z$.
TYPE 1490F Tracking pressure $2-4$ grams.
 TYPE 150DF Tracking pressure $4-6$ grams. 24 T 3017 Net 10.50

BSR SPINDLES

Fig. A


Fig. C
For automatic operation of a stack of 45 R.P.M. records on BSR Changers. Shpg. wt. 6 oz.
Fig. A. For use with BSR Model UA-15 24 T 4005

Net 1.65 Fig. B. For use with BSR Models UA.12. UA-14, UA-16, UA-24.

Net 1.65
24 T 4006
Fig. C. Fiat spindle for use with UA-15SS, UA-25, UA-40.
24 T 0220
Net 1.49
Fig. C. For use with Mini-Changer UA. 50
24 in 0256 .........................................Net 1.49
Fig. C. For use with McDonaid 500.
24 T 4008 ........................................... 1.85


## LAFAYETTE SPINDLES

For automatic 45 RPM operation. Shpg. wt.. 601.

21 T 0202 For Lafayette Model 200 Net .99 For Lafayette Models 400, AC-10. AC-33. 21 T 0105

## Popular Replacement Cartridges

## REPLACEMENT CARTRIDGES FOR VACO and RONETTE

Replacements for thousands of changers and players both imported and domestic. All types equipped with synthetic sapphire styli and turnover mechanism. imported. Shpg. wt., 602.

Stereo/monaural with .7 mil and 3 mil styli, mtg . bracket and knob. Output 7 volts. Replaces VACO ST-2, ST2X. ST-20, ST20X, ST-100, ST-100X; Ronette types 1, 2, 3, 4 , 92 and 105 series, stereo ov series and stereo T series; Astatic 86TSB, 80TS, and EV 95 and 97. Imported.
99 T 1016
Net 1.89
REPLACEMENT STYLI
99 T 1017.7 mil for stereo 99 T 10183 mil for 78 Diamond .7 mil for stereo 24 T 0158
stereo/monaural. Same as above but output is 2 volts. Replaces VACO ST4, ST4X, ST40, ST40X, ST200, ST200X and Ronnelte 106 series, 208 series, Astatic 76TSB, 70 TS and E.V. 96 and 98.
24 T 7810
Net 2.64
REPLACEMENT CARTRIDGES
FOR RCA


- Replacement for cartriages in many thou. sands of RCA45 and many LP record changers - 1 mil Synthetic Sapphire Stylus 2.3 volt output - High Impedance Crystal - Takes 7.10 grams pressure - $\$ \mathbf{s e n}^{\prime \prime}$ Mounting Centers
Exact replacement for many standard 45 RPM and $331 / 3$ RPM cartridges. For RCA: 74067. 74625, 75476, 75575, 76318; and Shure: W31AR. P73. P73A. P73AR. P73R. 99 T 1008

Net 1.25
Synthetic Sapphire replacement stylus for above.
24 T 0205 ......................................... 69

## RCA CARTRIDGES



Genuine RCA exact replacement cartridges complete with indicated styll. Fig. E with 1 Mil stylus for mono EP records. Fig. F is turnover type with 1 mil and 3 mil styli for LP mono and 78 records. Shpg. wt., 12 oz. | Stach No | RCA No. | Fire | Met |
| :--- | :--- | :--- | :--- |
| 2477212 | 74067 | E | 4.00 | 24 T 7213 furnover dual needle. All sapohires, symether

furnover dual needie. All sapphires, synthetic.

## SONOTONE 2TA-S CERAMIC CARTRIDGES



This high fidelity furnover cartridge is equipped with dual styli to play all types of both monaural and stereo records. Has .7 mil and 3 mil synthetic styli. Replaces a host of cartridges including previous Sonotone models of 2 T series. 9980 series which were used in thousands of record changers and players. Frequency response: 20-20,000 Hz - liat to $12,000 \mathrm{~Hz}$; output 1 -volt; compliance $2.0 \times 10.4 \mathrm{~cm} /$ dyne; tracking force 6 grams. Ceramic element highly immune to heat and humidity. 24 T 7911

Net 3.59

Stereo/monaural with .7 mil and 3 mil styli with bracket and knob. For stereo records and LP monaural. Replaces VACO ST5, ST5X. Output 2.5 volts. Very high compliance.

## 24 T 4003

Net 2.49
Monaural with 1 mil and 3 mil styli, mig. bracket and knob. Output: $2-3$ volts. Replaces VACO types 145, T045, TO45X. Ronnette types 15, 18, 21, 24, 7825, DC395, DC395S, DC 400, DC. $400-222$, DC $-400-2225$, OC $500, \mathrm{TO}-284$ series, TO285T, 10287 series, TO-395 series, TO-400-200, TO-400-222; Astatic 420,120 and E.V. 80.88

## 99 T 1022

Net 1.20
Monaural. Same as above but to replace Ronnette cariridges with wider frequency response and lower oulput. Output: 7 volt. 99 T 1021

Net 1.20

## FOR LAFAYETTE MODEL 200 RECORD CHANGER

Turnover stereo cartridge with dual synthetic sapphire stylus. Shpg. wt., 6 oz.

Net 2.50

BSR STEREO AND MONAURAL TURNOVER CARTRIDGES


The BSR TC8S/SX1H stereo and TC8H/X1HE output monaural cartridges are designed for quality performance. Both are turnover types. STEREO CARTRIDGE: sensitivity. 250 mv / $\mathrm{cm} / \mathrm{sec}$; compliance, $1.4 \times 10^{-6} \mathrm{~cm} / \mathrm{dyme}_{;}$ channel separation, 14 db at 1000 cps .20 db at 4000 cDS; balance between channels, within 3 db tracking force, 5.7 grams. MONAURAL CARTRIDGE: sensitivity $500 \mathrm{mv} /$ $\mathrm{cm} / \mathrm{sec}_{\text {; c compliance, }} 8 \times 10^{-1} \mathrm{~cm} /$ dyne; tracking force 6-10 grams. Complete with turnover mechanism. Imported. Shpg. wt., 3 oz.

MONAURAL TYPE (Fig. A)
Replaces BSR TC8M, TC8H/1, TC8H/2 and XIHE with 1 and 3 mil styli, mtg, bracket. 24 T 4001

Net 1.75
STEREO/MONAURAL (Fig. ${ }^{8}$ )
Replaces BSR. TC8S, TC8SM and SX1H. With .7 and 3 mil styll. mig. bracket.
2414002
Net 2.15

## GENERAL ELECTRIC CARTRIDGES



VR-1000-3 ELLIPTICAL DIAMONO NEEDLE STEREO CARTRIDGE. For any quality changer or tone arm that tracks from 3.7 grams vertical force. Shpg. wt., 5 oz .
21 T 38491
Net 18.75
VR-1000-5 FOR TURNTABLES. COmplete with .5 mil. diamond stylus for use with automatic turntables or professional tone arms that track at 4 grams or less. Shpg. wt., 602. 21 T 3801L

Net 12.58
VR-1000-7 FOR CHANGERS. Essentially the same as VR-1000-5 but designed for the greater 3.7 gram tracking force required by most record changers. Shog, wt., 602. 21 T 38031.

Net 10.50

## GENERAL ELECTRIC

MODELS C100A and C200 STEREO CERAMIC CARTRIDGES


MODEL C100A-A quality stereo ceiamic replacement cartridge for thousands of phonographs and changers in use today. Freq. response 20 thru $12,000 \mathrm{~Hz}$, output 450 millivolts. With .0007 dia, and .003 syn. thetic sapphire stylus
21 T 3846 L Shpg. Wt., 6 oz. .......... Net 8.07
MODEL C200-Essentially same as Model C100A except frequency response 20 thru $17,000 \mathrm{~Hz}$, output 300 millivolts. 21 T 3847 L

Net 8.07
TA-1 Replacement stylus for C100A and C200.
21 T 3848L .......................................... 4.17

## G.E. MONAURAL SERIES VRII VARIABLE RELUCTANCE CARTRIDGES <br> 

TRIPLE-PLAY
SINGLE-PLAY
WIII tit wherever old RPX cartridges were used. Alt require the use of a preamplifier. Frequency response: $20-20,000 ~ \mathrm{~Hz}_{\mathrm{i}}$ TrackIng Pressure-(with tone arm) 4 grams;(with record changers) $6-8$ grams.
"TTRIPLE-PLAY'r CARTRIDGES - Convenient dual stylus - a twist of the knob brings either microgroove (LP or 45 rpm ) or standard 78 rpm styli into position. $1 \mathrm{mil}\left(.001^{\prime \prime}\right.$ ) stylus is for microgroove. $3 \mathrm{mil}\left(.003^{\prime \prime}\right)$ is for standard records. D-diamond styll, Ssynthetic sapphire styil.

| Stock No. | GE Type | Stylus | Net |
| :--- | :--- | :--- | ---: |
| 21 T 3809 L | $4 \mathrm{G}-050$ | 183 mil S | 7.77 |
| 21 T 3810 L | $4 \mathrm{G}-052$ | $1 \mathrm{mil} \mathrm{D}, 3 \mathrm{mil} \mathrm{S}$ | 10.17 |
| 21 T 3811 L | $4 \mathrm{G}-053$ | 183 mil D | 11.97 |

"SINGLE.PLAY" CARTRIDGES - Single-stylus cartridges 1 mil (.001") microgroove and 3 $\mathrm{mil}\left(.003^{\circ}\right)$ standard 78 rpm types. D-diamond styli, S-synthetic sapphire styli. Shpg. wt., 602.

| Stock No. | GE Type | Stylus | Net |
| :---: | :---: | :---: | :---: |
| 21 T 38121 | 4G-040 | 3 mil s | 5.97 |
| 21 T 3813L | 4G-041 | 1 mll | 5.97 |
| 21 T 3815i | 4G-063 | 3 mil D | 8.37 |
| 21 T 38161 | 46.061 | 1 mil D | 8.37 |
| GE |  |  |  |

G.E. REPLACEMENT STYLI

Replacement for individual stylus tips on GE cartridges. All are for VRII series except RPI-O1D. D-diamond sfylus, S-synthetic sapphire stylus.

| Stock No. | GE Type | Stylus | Met |
| :---: | :---: | :---: | :---: |
| 21 T 3818 L | 4G-07S | 7 mil s | 1.60 |
| 21 T 3819L | 4G-02S | 2.5 mil S | 1.60 |
| 21 T 38201 | 4G.03S | 3 mils | 1.60 |
| 21 T 3821L | 4G-07D | . 7 mil D | 4.17 |
| 21 T 3822L | 4G-02D | 2.5 mil D | 4.17 |
| 21 T 3823L | 4G-03D | 3 mil D | 4.17 |
| 21 T 38311 | RPI-01D | 1 mil 0 | 4.17 |

# Electro-Voice and Astatic Cartridges 

## EXACT DUPLICATE PLUG-IN CARTRIDGESTYLI COmBINATIONS



Exact duplicate replacements with styif. STVLI CODE: D Diamond, $\$$ Synthetic sapphire. 1 is 1 mil point for monaural LP; 2 is 2 mil for mono LP \& $78 ; 7$ is .7 for stereo; 3 is 3 mil for 78 RPM. We will ship elther Electrovoice, Astatic or cartridge of original manufacturer. Color given to assist identifying original part sometimes is a color dot. Avg, shpg, wt., 6 oz.

## FOR RCA

| Stock No. | Fig. | nCa No. | Ast. No. | E.V. No. | Styli | Net |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 24 T 5020 | A.1 | 105836,37 | $83-1$ | 83 | S.1 | 2.10 |
| 24 T 5021 | A-1 | 105836,37 | $83-1 \times$ | 830 | D-1 | 3.90 |
| 24 T 5022 | A-1 | 108555 | 89.1 | - | S-1 | 2.55 |

## FOR WEBCOR

| Stock No. | Fig. | Web. Me. | Calor | Ast. No. | E.V.No. | Styli | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 24 T 5023 | A-2 | A1919 | White | 917 | 76 | S-1, S-3 | 2.37 |
| 24 T 5024 | A-2 | A1920 | Pink | 917X | 760 | D-1, S-3 | 4.17 |

## FOR ZENITH

| ck | Fig | No. | Coler | 4 st. | E.V. No | Styli | Ne |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 24 I 5025 | 8 | \$11473 | Red | 97 | 114 | S |  |
| 24 T 5026 | B | S15222 | Green | 97.1 | 113 | 51 | 2.10 |
| 24 T 5027 | 8 | \$15780 | Red Green | 97-2 | 112 | 52 | 2.10 |
| 24 I 5028 | 8 | \$21458 | Gold | 97-10 | 1130 | 01 | 3.90 |
| 24 I 5029 | C | 142-71 | Blue | 99-1 | 109 | S1 | 3.00 |
| 24 T 5030 | c | 142.72 | Yellow | 99.2 | 110 | S2 | 3.00 |
| 2415031 | c | 142.74 | Black 8 White | 99.10 | 1090 | D1 | 4.80 |
| 24 I 5032 | c | 142.76 | Gray | 1010 | 1110 | D1, 53 | 6.30 |
| 24 T 5033 | c | 142-77 | Brown | 101 | 111 | S1, 53 | 4.50 |
| 2415005 | A | 142.80 | Blue | 937 | 56 | S1, 53 | 2.37 |
| 2415006 | A | 142-83 | Orange | 937 X | 56 D | D1, 53 | 4.17 |
| 2415036 | A | 142-87 | Purple | 95 | 116 | \$1, 53 | 2.37 |
| 24 T 5014 | A | 142-90 | Red | 93 T .1 | 51 | \$1, 33 | 2.37 |
| 2415038 | E | 142.103 | Green | 13 AT |  | 57, 53 | 4.77 |
| 2415019 | E | 142-106 | Green | 13ATX |  | D7, 53 | 8.37 |
| 2415040 | F | 142.108 | Blue | 111 | 106 | S7, 53 | 3.57 |
| 24 T 5041 | F | 142.109 | Blue 8 Gold | 1110 | 1060 | D7, 53 | 5.37 |
| 24 T 5042 | G | 142-119 | Dark Green | 13 T | 13 | 57, 53 | 3.57 |
| 24 Y 5001 | G | 142-120 | Dark Green | 13TX | 130 | D7. 53 | 5.37 |

## GENERAL REPLACEMENT PLUG-IN CARTRIDGES



Combination cartridge with dual needle assembly. Slips right into old mount. Style code: D diamond, S synthetic sapphire, 1 is 1 mll point for monaural LP; 2 is 2 mll for mono LP and 78 RPM; 3 is 3 mill for 78 RPM ; 7 is .7 mil for stereo. We will ship either Electrovoice or Astatic. Shpg. wt., 3 oz.

## MONAURAL TYPES

Output 1 volt, 20-12,000 Hz. Track force 5.8 grams.

| Stock No. | Fie. | Color | E.V. No. Ast. Me. | Styli | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 2475014 | H | Red | $51-93 \mathrm{~T}$-1 | S1, 53 | 2.37 |
| 2415005 | H | Blue | 56 931 | \$1, S3 | 2.37 |
| 24 T 5006 | H | Orange | 560 93IX | D1, S3 | 4.17 |

## STEREO-MONAURAL TYPES

Output .5 volt, $20-16,000 \mathrm{~Hz}$. Track force 5.8 grams.

| $24 T 5007$ | J | Red-Silver | 61 | 103 | 57,57 | 4.17 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 24 T 5009 | 1 | Blue-Silver | 66 | 105 | S7. 53 | 4.17 |
| 2453018 | K | Black | 104 |  | \$7, 53 | 5.82 |
| 24 T 5133 | L | Brown-White | 108 | 115 | 57. 53 | 3.57 |
| 2415134 | 1 | Brown-While | 1080 | 1150 | 07. 53 | 5.37 |

## MOUNTS FOR ABOVE

for use when converting from different type cartridge.

| 24 T 3001 | For Types $51,52,53,93 T-1,931-2,93 \mathrm{~T}-3$ | .60 |
| :--- | :--- | :--- |
| 24 T 3002 | For Types $56,56 \mathrm{D}, 93 \mathrm{Y}, 93 T \mathrm{X}$ | .60 |
| 24 T 3003 | For Types $61,610,103,1030$ | .60 |
| 24 T 3004 | for Types $66,660,105,1050$ | .60 |

5

- Monaural or Stereo
- 0.5 V . Output

Play either stereo or monaural. 4 terminals, channel separation: 20 db, response $20.15,000 \mathrm{~Hz}$ except *is 25 db and $30 \cdot 20,000 \mathrm{~Hz}$ with 350 mv output. RIAA equalized. Output 0.5 V tracking force 6 gm . Select unit with mount if making an original installation in a standard arm; units less mount just slip into original mount. We will ship either Astatic or Electrovoice. Shpg, wt., 6 oz

| Stock No. | Ast. No. | E.V. No. | Styll | Mount | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 24.5011 | 11778 | 118 | 57, 57 | With | 4.77 |
| 24 Y 5012 | 1117 | 11 | 57, 57 | Less | 3.57 |
| 24.5013 | 1378 | 138 | S7, 53 | With | 4.77 |
| 24 T 5042 | $13 \%$ | 13 | 57, 53 | Less | 3.57 |
| 24 T 5016 | 13 TBX | 13DB | 07, 53 | With | 7.17 |
| 24 T 5001 | 137 X | 130 | D7, 53 | Less | 5.37 |
| 24 Y 5039 | 13AT* |  | 57. 53 | Less | 4.77 |
| 24 T 5019 | 13ATX* |  | 07, 33 | Less | 8.37 |

## WIDE RANGE AND HI-FI PLUG-IN MONAURAL CARTRIDGES <br> All are turnover type ceramic cartridges with dual 1 mil and 3 mil styli. Styli code

 same as all other cartridges on page. We will ship either Astatic or Electrovoice. Shpg. wt., 6 oz .
## WIDE RANGE TYPES

Replaces Sonotone 2 T , Shure PC-2, 4 series and many others.

| Stock No. | Ast. No. | E.V. No. | Styli | Mount | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 24 T 5044 | 8158 | 818 | \$1, 53 | With | 2.97 |
| 2415002 | 811 | 81 | S1, 53 | Less | 2.37 |
| 24 T 5046 | 8178 X | 8108 | D1, 53 | With | 5.37 |
| 2455047 | $817 \times$ | 810 | D1, 53 | Less | 4.17 |

HIGH FIDELITY TYPES
Replaces Sonotone $3 T$ serles, Shure PC-6, etc.

| Steck No. | Ast. No. | E.V. No. | Styli | Mount | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 24 T 5048 | 8978 | 898 | \$1, 53 | with | 3.57 |
| 2455049 | 897 | 89 | \$1, 53 | Less | 2.97 |
| 2415050 | 8918X | 8908 | D1, 53 | With | 7.17 |
| 24 T 5051 | 89TX | 890 | D1, 53 | Less | 4.17 |

## ASTATIC STEREO MONAURAL CARTRIDGES

All crystal turnover cartridges except which are ceramic turnover. All are equipped with .7 mil and 3 mil synthetic sapphire styli except $\uparrow$ has 7 mil diamond and 3 mil synthetic sapphire styll to play stereo, LP and std, 78 RPM. Shps. wt., 6 oz.

|  | StoctMo. | Fif. | Mfr.No. | Output | Met |
| :---: | :---: | :---: | :---: | :---: | :---: |
| M $\quad$ (20) | $2 4 \longdiv { 5 0 5 3 }$ | M | 70.TS | 2.0 V | 4.35 |
| 20 | 24 T 5054 | M | 74.15 | 2.0 V | 4.35 |
|  | 24 T 5055 | N | 767S8 | 2.0 V | 4.77 |
|  | 2415056 | M | 80.TS | 0.8 V | 4.50 |
|  | 24 T5057* | $p$ | 17 | 0.4 V | 7.05 |
| $N$ | 24 5 $5058{ }^{\circ}+$ | P | 170 | 0.4 V | 9.45 |
|  | 24 T 5059 $\dagger$ | N | 860 | 0.8 V | B. 10 |
|  | 24 T 5060 | N | 86TS8 | 0.8 V | 5.10 |
|  | $24{ }^{4} 5135^{\circ}$ | 0 | 133 | 0.5 V | 5.85 |
|  | 24 T $5136 *+$ | 0 | 1330 | 0.5 V | ©. 25 |
|  | 2455131 | R | 140 | 1.0 V | 4.50 |
|  | 24 T 5132 ${ }^{2}$ | R | 1400 | 1.0 V | 7.50 |
|  | 24.5137 | R | 142 | 2.0 V | 4.35 |
|  | $24.5142 \dagger$ | R | 1420 | 2.0 V | 7.35 |
|  | 24.5143 | $R$ | 142 R | 2.0 V | 5.55 |
|  | 24 T 5144 ¢ | R | 142RD | 2.0 V | 7.35 |
|  | 24 T 5138 | R | 146 | 3.0 V | 3.67 |



Crystal cartrldges to replace Vaco cartridges used in many changers such as BSR, Glaser-Steers etc. Turnover type equipped with 2 needles. Tip Code; LS 1 mil and 3 mil LT, 7 mil and 3 mil . Shpg. wt, 6 oz.


# Astatic and Electro-Voice Cartridges 



## MONAURAL REPLACEMENT CARTRIDGES

Order by stock number. We will ship either Astatic or Electrovoice. TURNOVER TYPES
All are equipped with dual synthetic sapphire styli 1 mil (LP) and 3 mil (sid 78). Average shpg. wt., 602.

| Stock No. | AST Mo. | E.V. No. | Fig. | NET | Stock No. | MST Mo. | E.V. Me. | Fig. | NET |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 24 T 5065 | 407 | 24 | AA | 4.17 | 2415078 | 3107 | 62 | U | 3.27 |
| 24 T 5066 | 4078 | 25 | B | 5.07 | 24 T 5079 | 310TS | 63 | $v$ | 3.27 |
| 24 T 5067 | 417 | 28 | AA | 5.70 | 24.5081 | 312 TS | 67 | $v$ | 3.87 |
| 2415068 | 41 TB | 29 | B | 6.00 | 24 T 5082 | 314 TS | 68 | R | 3.27 |
| 24 T 5069 | 557 | 38 | PP | 4.77 | 24 T 5083 | 405 | 49 | J | 4.77 |
| 2415070 | 571 | 38 | PP | 5.70 | 24 T 5084 | 406 | 134 | RR | 4.77 |
| 2415071 | 62TY | 43 | J | 4.77 | 24 T 3019 | - | 136 | K | 4.50 |
| 24 T 5072 | 64 TS | 84 | R | 3.90 | 24 T 5085 | 410 | 75 | 0 | 3.90 |
| 24 T 5073 | 66TS | 48 | RR | 4.77 | 2415086 | 420 | 80 | 8B | 3.27 |
| 24 T 5074 | $667 \%$ | 49 | J | 3.90 | 24 T 5087 | 422 | 82 | BB | 3.57 |
| 24 T 5075 | 118 | 91 | V.1 | 3.87 | 24 T 3020 | 445 | 38 | 1 | 3.39 |
| 2415077 | 124 | 87 | V.1 | 3.87 | 24 T 5076 | 120 | - | V-1 | 3.87 |

STANOARO GROOVE TYPES
Single needle type for STD ( 78 ) only. Type marked - has synthetic sapphire 3 mil stylus, others less needle. Shpg. wt., 602.

| Stock No. | ASt No. | E.V. No | Fig. | NET | Stock No. | AST No | E.V. | Fig. | NET |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 24 T 5089 | 2 | - | C | 5.40 | 24 T 5092 | 24 | 12 | G | 2.97 |
| 24 T 5090 | 12 | 15 | F | 2.67 | 24 T 5093 | 26 | 19 | G | 2.97 |
| 24 T 5091 | 12 U | 16 | F | 2.97 | . 24 T 5094 | 66-3* | 46 | H. | 2.97 |

MICROGROOVE TYPES
All with synthetic sapphire 1 mil styli for LP only. Except has .7 mil. Shpg. wt., 602. Stock No, ASTMO.E.V. Wo. Fit. NET Stock No. AST Mo. E.V. No. Fig. NET

| Stock No. | ast | V.No. | d. | NET | Stock No. | nst $\mathrm{No}$. | ,V.No. | 1 g | NET |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 24 T 5097 | 40.1 | 20 | A | 3.90 | 24 T 5102* | 310-7 | 58 | 1 | 2.97 |
| 24 T 5099 | 51-1 | 30 | 0 | 2.91 | 24 T 5103 | 408 | 74 | 0 | 2.67 |
| 24 T 5101 | 62-1 | 41 | 0 | 2.97 | 24 T 5104 | 414.1 | 77 | U | 2.67 |

ALL GROOVE TYPES
All equipped with single 2 mil synthetic sapphire styli for all speeds except e is osmlum tip and $t$ is less needle, Shpg. wt., 602.

| Stock No. | AST No. | E.V. No. | Fig. | NET | Stock No. | AST No. | E.Y. No. | Fig. | NET |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $24 \bigcirc 5105$ | $16 \dagger$ | 17 | H | 2.37 | 24.5110 | 66-2 | 45 | H | 2.97 |
| 24 T 5139 | 18 | 18 | M | 1.95 | 24 T 5111 | 106 t | 50 | 5 | 2.97 |
| 24 T 5106 | $22 \dagger$ | - | H | 2.37 | 24 T 5112 | 310-2 | 59 | T | 2.97 |
| 24 T5107 | 281 | 105 | $N$ | 2.37 | 24 T 5113 | $407{ }^{\circ}$ | 73 | $\gamma$ | 2.67 |
| 24 T 5108 | 40.2 | 23 | A | 3.90 | 24 T 5114 | 414.2 | 78 | U | 2.67 |
| 24 T 5109 | 51-2 | - | 0 | 4.44 | 24 T 5115 | 416.2 | 79 | U | 3.27 |



## REPLACEMENT FOR MAGNAVOX

styli except the IP needle in types ending in $D$ are diamond $\dagger$ indicates stereo cartridge. Shpg. wt., $60 z$.

- for Magnavox 560290-1 or - 3 use Astatic 459 series for 2 hole


## E.V SERIES 20 HI-FI STEREO-MONOPHONIC CARTRIDGES

Hi.Fi Ceramic cartridges, Exclusive design eliminates turntable rumble. 21 series are single needle types with .7 mil styll to play stereo and LP monaural. 26 series are turn. over types with .7 mil and 3 mil styli to play stereo and all monaural records. Types with match magnetic phono input. TIP CODE $S=$ SYNTHETIC SAPPHIRE. $D=$ DIA. MOND. Shpg. wt, 3 oz.

| Stock No. | E.V. No. | Styli | MET |
| :---: | :---: | :---: | :---: |
| 24 T 3005 | 21 | S. 7 | 5.30 |
| 2413006 | $22^{*}$ | \$-. 7 | 7.50 |
| 24 T 3007 | 210 | D-. 7 | 9.00 |
| 24 T 3008 | 220* | 0. 7 | 10.80 |
| 2413009 | 26 | S. 7 , S-3 | 6.50 |
| 24 T 3010 | $27^{*}$ | S-.7, 5-3 | 8.10 |
| 24 T 3011 | 260 | $0-7,5-3$ | 9.90 |
| 24 T 3012 | 270* | 0.7.7, S. 3 | 11.70 |

## E-V REPLACEMENT MEEOLES

For series 21, 26 and 27 cartridges

| Stock No. | E.V. Ne. | Tig | NET |
| :--- | :--- | :--- | :--- |
| 24 T 3013 | 26040 | .7 Mil | 2.97 |
| 24 T 3014 | 2604 | 7 MilS | 1.50 |
| 24 T 3015 | 2605 | 3 Mil S | 1.50 |

## 4is REPLACEMENTS - FOR RCA STEREO



All equipped with dual 7 mll and 3 mil siyll. Types with * have diamond .7 mil and synthetic sapphire 3 mil ; others both tips synthetic sapphire. Series 475 in phase; series 477 out of. phase. Series 487 feather action. We will ship elther E.V. or Astatic. Shpg. wt., 6 oz . Type 320 is fig. B, others Hg . A. Shpg. wt., 602 .

| Stoch <br> No. | AST <br> No. | E.V. <br> No. | Replaces <br> RCA | NET |
| :--- | :--- | :--- | :--- | ---: |
| 24 T 5122 | 475 | 54 | 108213, A | 6.00 |
| 24 T 5123 | 4750 | 540 | 11021 | 106960, A |
|  |  |  | 11.40 |  |
| 24 T 5124 | 477 | 133 | 11023 | 106771, A, B |
| 24 T 5125 | 6.00 |  |  |  |
| 24 T 5127 | 4770 | 1330 | 106770, A, B | 11.40 |
| 24 T 5128 | 320 | 1950 | 111348 | 11.61 |



All with dual .7 mil and 3 mil synthetic sapphire styli except " have diamond .7 mil . Shpg. wt., 602.

| Stock No. | Fig. | Astatic Mo. | Replaces | NET |
| :---: | :---: | :---: | :---: | :---: |
| 24 T5131 | A | 140 | VM 31615A | 4.50 |
| 24 「5132* | A | 1400 | VM 316158 | 1.50 |
| 24 T5129* | B | 153RD | VM 274930 | 10.50 |
| 24.5145 | B | 710 | Euphonics U1 | 5.97 |
| 24 T 5146* | 8 | 7100 | Euphonics U2 | 9.90 |
| 24 T 5130 | B | 153R | Euphonics UIOR | 8.10 |
| 24 T5129* | B | 153RD | Euphonics U11R | 10.50 |
| 24 T 5129* | B | 153RD | Airline 60.93 | 10.50 |
| 24 T 5129* | B | 153RD | Admiral 409C654.1 | 10,50 |
| 24 T 5129* | B | 153RD | Motorola S9C62266A | 10.50 |
|  |  |  | Westinghouse |  |
| 24 T 5130 | B | 153R | $671 \mathrm{~V} 025 \mathrm{H02}$ | 3.10 |
|  |  |  | Westinghouse |  |
| 24 「5129* | B | 153RD | 671V024H01 | 10.50 |
| 24 T5147 | 4 | 601 | Singer 66.22 $\cdot 27,191322$ 201422, 59032 PU1058 | 2.97 |
| 24 T 5148* | 4 | 6010 | Singer, Same A |  |
|  |  |  | 601 above | 4.77 |
| 2415149 | 4 | 603 | Singer 310422. 484023. 003 |  |
|  |  | 6030 | PU 1299.1300 | 4.17 |
| 24 T $5150{ }^{*}$ | 4 |  | Singer, Same As |  |
|  |  |  | 603 above | 5.97 |

## LAFAYETTE Diamond and Sapphire Styli

MADEFOR LAFAYETTE BYTHEFOREMOST AMERICAN MANUFACTURERS


KEY TO POINT CODES HOW TO ORDER The symbols In the column headed "PT SIZE" are explained in the table below.
LP = SINGLE 1 MIL DIAMOND MICROGROOVE FOR $331 / 3$ AND 45 RPM
AG = SINGLE 2 MIL DIAMOND ALL GRDOVE FOR aLL SPEEDS
COMB = DUAL 1 MIL DIAMDND AND 3 MIL SYN. THETIC SAPPHIRE

Identify your needie by cartridge number and Illus tration and order by stock no. Note that all needles listed here are for monaural cartridges

## 1 YEAR GUARANTEE

Full 1 year replacement guarantee against defects in workmanship and material on all diamond styll.

## MONAURAL DIAMOND and DIAMOND-SAPPHIRE




FOR PERPETUUM EBNER CARTRIDGES 24 T 0142 Comt. 48 PE.8. PE. 10 24 T 0143 LP 22 P7000 (MJ, MD) (LP anly)
FOR R C A CARTRIOGES

| 24 T 0122 | LP | 12 | 74067 |
| :---: | :---: | :---: | :---: |
| 24.0134 | LP | 32 | 74466 |
| 24 T 0115 | LP | 1 | $\begin{aligned} & \text { S5652, 76257, } \\ & (988370-1), 75044 \end{aligned}$ |
| 24 T 0121 | LP | 3 | 76257, (988370.2) |
| 24 T 0146 | Comb. | 51 | 78748, 79807, |
|  |  |  | 100653 |
| 24 T-0124 | Comb. | 13 | 100329 |
| FOR | RONE | TE | CARTRIDGES |
| 24 T0179* | $\cdot \mathrm{LP}$ | 53 | (TO.200, 0.222. |
|  |  | or | T0.284, 70.400 |
|  |  | 54 | series, RA284, |
|  |  |  | DT60 series |
| 2410145 | LP | 36 | TX88, 1 |
| 24 T 0246 | LP | 18 | BF40, 105 |

FOR SHURE CARTRIDGES


FOR SONOTONE CARTRIDGES
24 T 0146 Comb $51\left(\begin{array}{c}1 P-L B-10,2 T D, 2 T S, \\ 2 T-S D, 2 T-L B . D .\end{array}\right.$
 $9980.5,9980.50$, $9980 \mathrm{D}, 5 \mathrm{~T}$,
24 T 0130 Comb. 51 3T, 3 TS, 3 TO

## FOR TELEFUNKEN CARTRIDGES

 24 T 0148 Comb. 64 TTSAFOR VACO CARTRIDGES
24 T 0101 LP $\quad 55 \quad$ T.45, 5.45

[^6]
## MONAURAL SAPPHIRE

Popular replacements made of finest synthetic sapphire.

## FOR G.E. CARTRIDGES

(FIG. 32). For old type RPX.040, -041.-042. . 061.063.
24 T 01941 MIL for Mono LP ........ Net . 69 24 T 01953 MIL for 78 RPM …...... Net .69 (FIG. 34), Individual Styli Replacements that clip into all Ge Series A Series.
24 T 01961 MIL for Mono LP ....... Net .69 24 T 01973 MIL for 78 RPM ........Net .69 (FIG. 35). Direct Replacements for Clip-in Styli in GE VR II Series, 4G.050. 4G-052, 4G.040, 4G-041. 4G.061, 4G.063.
24 T 0191 I MIL Mono LP 24 T 01923 MIL 78 RPM ...................Net . 69

## FOR ASTATIC, PHILCO, MAGNAVOX AND RONETTE

(FIG. 54). For ASTATIC 310T, 310T8, 310TS, $310-2,414$-1, 420.TS. 422-TS, 424-TS; PHLLCO 35-8014, 325-8021; MAGNAVOX 560176; RONETTE Series DT-60, RA-284, TO-284. 24 T 01983 Mil for 78 RPM Records Net .69 24 T 0199 AG for 78 \& Mono L.P. .. Net . 69 24 T 02011 Mil for Mono L.P. ..... Net . 69

## FOR SHURE, ADMIRAL AND WEBSTER CARTRIDGES

(FIG. 1). 1 Mil for LP Mono Records. For SHURE Series P.30. 35, 37, 70. 71. 72. 73. 75, 76, 77, 79, 80, 81, PC-30, 72V, W21, 22. 23. 24, 65, 68, WC-60: ADMIRAL 409B19-9,

409A30; WESSTER F10, F11, F11-1.
24 T0202

## FOR RCA

(FIG. 49). 1 mil for LP mono records. For RCA 74067, 74625, 75475, 75575. 75967. 76318.77779.

24 T 0205
Net .69

## CHUCK-TYPE <br> NEEDLES

For screw-type chucks. Offset shank, 2 Mil point for $331 / 3,45$ and 78 mono records.
24 T 7001 Osmium point. Singly ea. . 29 lots of 10, ea. ............. 26
24 T 7002 Synthetic ruby singly ea. . 69 lots of 10 , ea.

## Stereo Diamond And Diamond-Sapphire Styli



KEY TO STEREO POINT CODES HOW TO ORDER rable below explains symbols in Column head "PP SIZE." $\mathrm{s}=.7 \mathrm{MIL}$ DIAMOND
$\$ 5 \overline{\bar{T}}=.7$ MIL OIAMOND and 3 MIL SAPPHIRE* SLP $=.7$ MIL DIAMOND and 1 MIL SAPPMIRE* - Synthetic


GE MODERNIZATION ASSEMBLIES (FIE. 33 at top of preceding page)
Modernize your old triple-play cartridge. These assemblies replace both the old and new series " $A$ ". Once installed, you can replace one point at a time.
DIAMOND SAPPHIRE. Replaces old RPJ-013 and new RPJ-013A. Avg. wt., 202 24 ז 0135

Net 1.89 DUAL DIAMOND. Replaces old GE RPJ-012 and RPJ-012A.
24 T 0151
Net 3.90
DUAL SAPPHIRE. Replaces old GE RPJ-010 and new RPJ-010A.
24 I 0193
Net .99

Slock Pt.
Me. Size Fig. Cartridge


Stylif listed below have 2 stereo points so that as one wears out you can use the other. Use to replace original styll with one stereo and one 78 RPM point if you are no longer using 78 RPM records. Figures shown at top of facing page.
(FIG. N). Replaces Astatic N41SD styll in 170 cartridge.
24 T 0180
Net 2.69
(FIG. E). Replaces RCA styli 11020 and 110022 in cartridge series RPM, 106960 -A, 108213A, 106770-A and 106771-A.

## 2410181

Net 2.69
(FIG. D). Replaces Sonotone styll N.8TAS SD. DD in cartridge 8 T, 87 A . 2470182

Net 2.69
(FIG. L). Replaces Sonotone styli N-9TS, S0, DD in cartridge series 97 .
2470183
Net 2.69
(FIC. L). Replaces Sonotone styll N16TS, SD. DD in cartridge series 167 .
2470184
Net 2.69
. 7 MIL DIAMOND STYLUS FOR SHURE
M7D \& M3D STEREO CARTRIDGES


2410163 Net 7.50

# Tone Arms - Motors - Amplifiers 

## 195

Employs a high-output crystal turnover cartridge for elther stereo or monaural operation. Frequency response, 20-18,000 cycles; output, 1 volt per channel. Crosstalk be. tween channels is 15 db or more down. Each channel has a separate shielded output cable. Travel lock arm rest prevents accidental damage to records. The pickup arm is designed to be mounted in a single, circular hole, Ko" in diameter. Equipped with side attachment for easy lifting and setting down. Durable plastic construction. Imported 99 Y 1024 Shpg. wt., 702. $\qquad$ Net 1.95 Synthetic Sapphire ip replacement needle. 99 T1027 Sapphire STD replacement needle. Synthetic Sapphire STD replacement needle,

## MODERN 4.SPEED TURNOVER

 PICKUP
## SEVEN STEPS TO BETTER

 LISTENING- $21 / 2$ Volt Output
- Turnover Crystal Cartridge
- Dual Synthetic Sapphire
- $40-12,000 \mathrm{~Hz}$

Modern, plastic, straight-line design with offset head, fumished with tumover-type, high-output crystal cartridge ( $21 / 2 \mathrm{~V}$.) with dual synthetic sapphire styll. Stylus pressure adjustable by variable spring tension. Has finger lift for ease of handling. Overall length $81 / 2^{\prime \prime}$. Height from base to bottom of arm "Sto". Simple base mount with 11/4" spaced mounting. Shielded teads. Smooth, gray finish plastic arm. Imported. Shpg. wt., 2 lbs.

99 r 1028 Synthetic Sapphire std

AUDIODISCS

## PROFESSIONAL

 RECORDING BLANKSThe highest quallty recording discs on heavy aluminum base, smoothly coated on both sides. Use Red Label for professional recordIng; Yellow Label for general studio and school work; Blue label is $.027^{\prime \prime}$ base for home recording. All Red and Yellow Labels are . $050^{\prime \prime}$ base except * are 040 .


All have $.003^{\prime \prime}$ tip except microgroove types have $0005^{*}$. Alt tips are finest synthetic sapphire except type 345 and 34 L are stel. lite. High quality for professional as well as amateur use. All have $87^{\circ}$ included angle. Shpg. wt., 202.

| Stack No. | Mfr. | Ne. Description | Net |
| :---: | :---: | :---: | :---: |
| 24 T1013 | 14.5 | Short dural shank | 5.34 |
| 24 Y 1014 | 20.5 | As above for microgroove | 5.34 |
| 24 Y 1015 | 14-L | Long dural shank | 5.34 |
| 24 Y 1016 | 20-L | As above for micro. groove | 5.34 |
| 24 r 1017 | 34-S | Short brass shank | 1.74 |
| 24 r1016 | 34-L | Long brass shank | 1.74 | RECORD



24 T 4507

Net 2.45

Net . 49
Net. 49


4 TUBE AC/DC STEREO PHONO AMPLIFIER $6^{50}$ (Less Tubes) - 2 Output Transformers - 2 Separate Tone Controls

Powerful yet compact stereo amplifier produces up to 2 watts per channel. Uses 4 tubes: 2 12AV6 250 CS . Selenlum rectiffer power supply, Output impedance: 3 ohms. Separate volume controls for each channel. Size: $61 \mathrm{k}, ~ 2 \mathrm{k} \times \mathbf{4}^{\prime \prime}$, Less tubes. Imported. Wt., 3 lbs. 99 T0154
36 r 9002 M Kit of 4 tubes
Net 6.50

## - Test for Perfect Stereo

- Left-Right, Phasing,

Balance Tests

- Tone, Buzz and Rattle,


## Tracking Tests

Uses easy-to-make tests and simple narrative to help blend electronic components, room acoustics, and the characteristics of your own ears into one well-toned system. Tests include Left-Right identification, Phasing, Balance, Tone, Buzz and Rattle, Lateral and Vertical Tracking. 16 page instruction book included, Shpg. wt., 1 lb .
24 T 1901 Net 3.95

Equipped with a variable tone control and volume control with off position. Delivers up to 2 watts output to 3 ohm speaker. Uses 3 tubes: $35 \mathrm{~W} 4,50 \mathrm{C} 5,12 \mathrm{AV6}$. Input impedance: 150 K ohms. Features top mounted output transformer. Less tubes. Size: $5 \% \times 2 \% \times 4^{\prime \prime}$. Imported, Shpg. wt., 2 lbs.
99 T 0153
36 T 9001 M Kit of 3 tubes


Net 3.95
Net 2.21


## 4-SPEED PHONO MOTOR

Quiet dependable AC operation assured by rubber shock-mounted friction drive motor, Speed change control through ider driving fim of $8^{\circ \circ}$ metal lurntable having foam record cushion and retractable 45 RPM center adapter. Requires $21 / 2^{\prime \prime}$ below base plate. Shpg. wt., $31 / 2$ lbs.
24 Y 2702 Motor and turntable
1 lb.
Net 4.95
24 T 3501 Mounting boards, Wt., 1 lb.
Net 1.29


RADIO BROADCASTER/PHONO OSCILLATOR
cave fun making announcements and broad. casting music through your own radio-with this broadcaster. Simply connect high impe. dance microphone or phono pickup to broad. caster and tune in broadcaster on radio. No wiring between the broadcaster and radio set. Pretuned to 1600 on radio dial but easily retuned. With 128E6 and 35W4 tubes, phono jack, 2 feet of antenna, schematic and line cord. Completely wired. Chassis size: $4 \times 2^{\prime \prime}$. For $110-125 \mathrm{~V}$ AC/DC operation. 99 Y 0177 Shpg. wt. 2 lbs. $\qquad$ Net 4.95

## LAFAYETTE HIGH FIDELITY STEREO-MONAURAL TEST

Tests Rumble Each Channe
Tests Level Each Channel

- Stylus Wear Test
- Tests Balance
- Tests Equalization
- Tests Resonance
- Incorporates Phase Check

For stereo testing this two-sided 12" L.P. stereo record has on its stereo side two 1000 Mz bands to check the level of each channel separately; balance check to set the level of each channel using special metronome recording; rumble test. There are stylus wear test grooves on both outer and inner edges of each side to check both stereo and monaural styll. Incorporates phase adjusting check to simplify phasing of speakers. For monaural testing it provides an RIAA equaltration test in 9 steps from 30 to $15,000 \mathrm{Mz}$, a continuous glide band from 10 to $35,000 \mathrm{~Hz}$, to test for resonances of tone arm or cabinet. Comes with complete instructions for use. Shpg. wt., 1 lb .

finds the problem of balancing your stereo system. Two precisely damped loudness meters provide a continuous comparison of speaker levels. Scales callbrated in "Volume Units" and percent. 1.2 votts input sensitivity for 0 VI or 100 percent indication. The special callbrating switch and 20 ob attenuation controls permit exact matching of channels. Greater than 8,000 ohm impedance permits connecting to output dircuits without loading. The entire unit is housed in an attractive plastic case $6^{\circ} \mathrm{W} y 344^{*} \mathrm{H} \times 2$ ? $\mathbf{b}^{\circ} \mathrm{D}$. Imported. S5 T 503 shpg . wt., 3 lbs. $\qquad$ Net 11.95

## cuma

## - Ideal For Cooling Hi-Fi Equipment

HI-FI BOXER FAN

- Super Silent, Compact
- Sturdy Metal Construction


Exceptionally low-noise fan for cooling hi-fl equipment. Slow rotating 5 -blade impeller delivers 50 cfm , enough air to exhaust the average enclosure 10 to 30 times per minute, to minimize thermal drift and increase equipment llfe. Airflow is reversible. Has heavy non-warp all metal frame and motor mounting acts as an efficient heat sink, adding life to motor and bearing. Prelubricated for years of maintenance.free operation. Only 4 "Ko" square by $11 / z^{\prime \prime}$ deep, fits any cabinet. Easy to Install. Comes with complete mounting hit including special heavy duty brackels for mounting versatility, hardware, grommets, shock-absorbing spring mounting pad, A.C. power cord and clip on plug, template and instruction sheet. Rated $115 \mathrm{VaC}, 60 \mathrm{~Hz}$.
24 T 4301 Shpp. wt., 2 bs. $\qquad$ Net 14.85

TRANSISTORIZED 1000 CPS AUDIO GENERATOR
Compact transistor audio oscillator with a sinusoidal output of 1,000 Hz . The stabillty is ex. cellent, and the wave form has less than $2 \%$ distortion. Output amplitude adjustable up to 0.5 V . oms or more. Used to adjust audio amplifiers for linearity or to make low frequency power measurements. The on-off switch and separate amplitude control are on front panel. With 9 V battery. Imported. Wt, $11 / 2 \mathrm{lbs}$. 99 T 5030 $\qquad$ Net 7.5 99 Y 6021 9V. Replacement Battery Net $I$

## General Purpose Miniature Cooling Fan

## - Motor Shunt Varies Both Volume of Air Moved and Noise level

 A venturi fan for use with hisfi. TV, Mam radlo and other electronic installations, to ventilate equipment and give maximum life and best performance. With shunt dellvers 75 CFM at low noise level, shunt removal delivers 90CFM with shight increase in noise level. Front and back grilies. Permanently lubricated. Rated $115 \mathrm{VAC}, 60 \mathrm{~Hz}$. Size: $51 / 2 \times 6 \times 312^{-2}$. Complete with grill bracket, mounting hardware and Instruction sheet.24 T 3501 Shpg. wt., 2 lbs.
Net 8.55

## STEREO RUMBLE FILTER



Filters out turntable vibration and rumble makes every low-priced turntable and changer quilet and rumble-free. Designed for use with ceramic or magnetic cartridges. 3 -position selector switch-ceramic magnetic cartridge, off. Just plug it in between cartridge and ampliflep inputs. Overall size: $5 \times 25 / \times 5 / 8^{\circ}$. Imported. Shpg. wt., 14 oz . 99 T 1019 Net 2.49

AUTOMATIC HI-FI SHUTOFF


Shuts off Hi-FI equipment at the end of the last record. A 3 position switch allows the use of this one unit for all record changers domestic and imported. This switch also permits manual operation if the automatic shut-off feature is not destred. Housed in a rugged drawn-steel case with mounting ears, amplifier outlet, and 6 ft AC cord. Size: $21 /{ }^{2} \times 43 / 6 \times 17 / \mathbf{m}^{\prime \prime}$. Shpg. wt. 1 lb .
24 T2801

(1) RECORD ALBUM - Durable. Holds 12 records. Handsome maroon albums with gold lettering. Shps. wh.. 1 lb.
24 I 1701 for $7^{*}$ records $\qquad$ Net 63 (2) alidua Boxes-Stores records in jackets. Dust proof. Rigid overlapping sides. Covered in washable, durable kyvar with chestnut board, deeply padded covers. Beautiful winemaroon, gold embossed. Shpg. wi., 3 lbs. 24 T 1401 Holds $1012^{\text {n }}$ records _ Net 1.55

## THE ORIGINAL "DUST BUG" ${ }^{\bullet}$

Automatically removes dirt and dust on each playing. Light plastic arm mounts by suction cup. Can be permanently mounted by rubber cement. The bottle of antistatic cleaning fluid thas a built-in wick for application to a brush and pad at the end of arm. Imported. Shpg. wt., 6 oz.
24 T 2501
Net 6.00
dISPENSER OF ACTIVATING FLUID. For Dust 8ugs. Shpge, wt., 2 oz.
24 T 2504
Net 2.00
24 T 2503 Replacement Plush Pad and Nyion Brush. Shpg. wt., 4 oz . $\qquad$ Net 2.50

## RECORD DUST REMOVER

For a dust-free record collection. The "Para. static Disc Preener" penetretes each groove, removing all dust and grit and deposits a non-toxic lonic compound. leaves no trace of film or residue. Ideal for keeping new records new.
24 T 2505
Net $\mathbf{3 . 5 0}$
SNAP-ON
RECORD AND
BOOK HOLDERS
For $3 / 4^{\prime \prime}$ to $1^{\prime \prime}$ thick shelf Hold records, tapes or books up-
right on shelves.
Fits any standard shelf; completely adjustable and self-locking. $7^{\prime \prime}$ triangular shape, brass finished with plastic tips.
24 T 3101 Shpg. wt., 1 lb. Net 09


## LEKTROSTAT CLEANING KIT

Clean your valuable records the professional way with the Lektrostat method. Kit contains a non-gum. ming anti-static deter-
 gent in polyethylene bottle. Squeeze to apply for complete elimination of static in the record grooves. Also included is an applicator made of soft yel firm velvet. contained in a novel plastic pouch. Shpg. wt., 1002.

## 24 T 1002

## RECORD STATIC

 and DUST ELIMINATORSprays a fine mist which keeps your record clear of surface noise created by static (common to all vinyl records) and clean of dust attracted by the static charge. Prevents groove and needle wear caused by static-dust and keeps records lustrous. Extends their IIfe. Two applications a year are sufficient. Enough for hundreds of records. Shpg. wt., 802. 24 T 7003


## RECORD CLEANER KIT

# LAFAYETTE COMPLETE CABLE ASSEMBLIES FOR HI-FI AND P. A. 

High quality extension cables "tailor made" for users of recorders, hi-fi equipment, etc. All plugs molded directly to various cable combinations. Shielded cable for high impedance (mike, etc.) connections; parallel wire for low impedance (speaker, efc.) connections. Avg. shpg. wt., 9 oz.


PIN TYPE PHONO PLUG (B) TO VARIOUS CONNECTIONS. All cables shielded. Imported.
$90^{\circ}$ PHONE PLUG (A) TO VARIOUS CONMECTIONS. Std. $1 / 4^{\circ}$ sleeve; completely shielded. All cables shielded. Imported.



## SET OF $36^{\prime \prime}$ AUOIO CABLES

A set of four individual 36 -inch insulated and shielded cables. Color coded for ease of installation and instant identification. Cables are terminated at each end with phono plugs. Ideal for interconnections between tuners and amplifiers. Quality construction assures trouble free service. Plugs molded directly to cable for positive "no-sllp" contact. Imported. Shpg.


Net 1.59

| Stock No. | One Termination | Cable Leneth | Other Termination | Net |
| :---: | :---: | :---: | :---: | :---: |
| 9910067 | $90^{\circ}$ phone plus (A) | ) 72 in . | plug (8) | . 72 |
| 99 T 0072 | $90^{\circ}$ phone plug (A) | ) 72 in | pin plug (E) | 72 |
| $90^{\circ}$ PIM PLUG (E) TO YARIOUS CONNECTIONS. Alt cables shielded Imported. |  |  |  |  |
| Stock No. | One Termination | Cable Length | Other Termination | Net |
| 9910079 | $90^{\circ} \mathrm{pin} \mathrm{plug} \mathrm{(E)}$ | $72 \mathrm{in}$. | connector ( 0 ) | . 88 |
| 9910102 | $90^{\circ}$ pin plug (E) | $18 \mathrm{in}$. | pin plug (E) | . 38 |
| 9970106 | $90^{\circ}$ pin plug (E) | $120 \mathrm{in}$. | pin plug (E) | . 72 |
| 99 T0110 | $90^{\circ}$ pin plug (E) | 120 in . Ph | 0 Jack (0) | . 72 |

PHONE PLUG (G) TO VARIOUS CONNECTIONS. Std. $1 / 4^{\prime \prime}$ diam. sleeve completely shielded. All cables shielded. Imported.

|  |  | Cable <br> Stock No. | One Termination | Dength Termination |
| :--- | :--- | :--- | :--- | :--- | Net

## only 1

79 13 UNIVERSAL CABLE KIT
Kit contains: 2 phono plugs with $69^{\prime \prime}$ connecting cable; phono plug connected to 2 alligator clips by $4^{\prime \prime}$ cable. coupler with phono jack and phone jack; phone plug output with phono jack input. All connecting cables are shielded and insulated. Ideat for connecting tape recorder to phonograph, radio or T.V., or tuner to ampliffer. Imported.
99 T 0135 Shpg wt. 6 oz.
Net 1.79

## COILED CORD AUOIO CABLE ASSEMBLIES

## आแயm

- Extends to 66 Inches, Retracts to 8 Inches.
Stretch cable permits neat interconnections without tangle, drape or droop. Durable. shielded coiled cord. Avaliable with RCA type phono plug, alligator clips and stripped and tinned terminations. Shpg. wt., 9 oz.
RCA type phono plug at each end.
${ }_{\text {RCA }}{ }^{24} 3402$ type phono plug at one end. alligator
Net 99 clips color coded red and black at other end. 2413403

Net 1.09
RCA type phono plug at one end, stripped and tinned leads at other end.
24 T 3401
Net .99

FLEXIBLE Y CONNECTORS AND SHIELDED Y ADAPTERS

For converting Stereo Player to Monaural. Can be used for a Tap-in-Meter Monitor connection. Also required on some Tape Recorders. Imported. Shps. wt., 4 oz (K) Phono Plug connected to 2 Phono Jacks by $4^{\prime \prime}$ shielded cable. 99 Nooss Nat .59 99 Tooss Net . 59 99 T 0094 Net. 59 (M) 3 Phono Plugs connected together by $4^{\text {" }}$ shielded cable. 99 T 0095 $\qquad$ Net 59 Completely shielded Y-Adapters with choice of connectors and terminations. Imported. Avg. shog. wt., 7 oz.
( N ) Two phono jacks connectors in parallel to a standard 2 -conductor phone plug. 99 T 0089 $\qquad$ Net 69



Input to phono plug output.
Net 59
(P) Phono plug coupler, accepts phono plug at each end.
32 T 5201
Net 39
(S) 2 -conductor phone jack input to phono plug output.
99 T 6230
Net .52
(T) Phono jack input to standard 2 -conductor phone plug output.
99 Y 6216 $\qquad$ Net .39 ea.; 10 for 3.25
(U) Phono jack input to a mini-plug ( $1 / 8^{\circ}$ dia. finger) output.
99 T 6344 Net .52
(V) 2-conductor mini-jack (1/8= dia. sleeve)

## 99 T 6345

(W) 2-conductor mini-jack ( $1 / 8^{\circ}$ dia. sleeve) input to standard 2 -conductor phone plug output.
99 f 6346 $\qquad$ Net 59
(X) 2-conductor subminiature jack (3/32" dia. sleeve) input to mini-plug ( $1 / 8^{\prime \prime}$ dia. finger) output.
_ Net .59
99 T 6347 $\qquad$
(V) 2 -conductor standard phone jack input to 2 -conductor subminiature plug $\left(3 / 32^{\prime \prime}\right.$ dia. finger) output.
99 Y 6348

SWITCHCRAFT COMPLETE CABLE ASSEMBLIES FOR NI-FI AND P.A.
High quality extension cables "tailor made" for users of electrical shield and cable clamp. Chrome grey shielded cable recorders, hi.fi equipment, etc. All plugs molded directly to

for high impedance (mike, etc.) connections; chrome grey
parallel wire for low impedance (speaker, otc.) connections.


PHONE PLUG (A) TO VARIOUS CONNECTIONS. Std. $1 / 4^{\prime \prime}$ dia, sieeve; completely shielded. All cables shielded except* unshielded parallel cable. Avg. shpg. wt., 5 oz.

Supplied with 4 feet of cable, stripped and tinned at one end. Shpg. wt., 502. with straight 2 -cond. phone plug. 24 T 8852
angle 2 -cond. phone plug. With Rt. angle 2 -cond. phone plug. 24 T 8853 with single microphone connector. 24 T 8854 24 T 8854

Net 2.16

Net 2.16
Net 2.22

## MINIMIX FOR WOLLENSAK AND REVERE

- Record Sound on Sound
Oirectly record music and dub your voice at the same time. Fade in one channel while fading out the other. Record from two mikes at once. For late model Revere and Wollensak recorders. Short plugs and jacks for standard or short plags. Shpg. wt. 5 oz. 24 T 8851

Two standard, color coded, molded phono plugs wired to a 3-conductor molded extension phone jack. Ideal for adapting 3 -circuit stereo phone plugs, as used on microphones and headsets, to 2 . separate phono jack inputs. Completely shlelded $4^{\prime \prime}$ grey stereo cable.



## RCA TYPE PHONO PLUG AND OTHERS TO VARIOUS CONNECTIONS

All Cables shielded except* unshielded parallel cable. Avg. Shpg. wt. 5 oz.

| Stock No. | One Termination | Length Other Termination |  |
| :---: | :---: | :---: | :---: |
|  | $90^{\circ}$ Pin plug (E) | 36 in. $90^{\circ}$ Pin plug (E) | 78 |
| $24 \text { I } 8873$ | $90^{\circ} \mathrm{Pin}$ plug (E) | $48 \mathrm{in}. 90^{\circ} \mathrm{Pin}$ plug (E) | 90 |
| 24 T 8874 | $90^{\circ}$ Pin plug (E) | $72 \mathrm{in}. 90^{\circ}$ Pin plug (E) | 99 |
| 24 T 8877 | $90^{\circ}$ Pin plug (E) | 18 in. Phono jack (D) | 84 |
| 24 T 8878 | $90^{\circ}$ Pin plug (E) | 72 in. Phono jack (0) | 1.17 |
| 24 T 8886 | $90^{\circ}$ Pin plug (E) | 72 in. Phone exten, jack (C) | 1.32 |
| 24 T 8835 | $90^{\circ}$ Pin plug (E) | 120 in . Phone exten. jack (C) | 1.80 |
| 24 T8887 | $90^{\circ}$ Pin plug (E) | 36 in . Stripped, tin ends ( ${ }^{\text {d }}$ | 63 |
| 24 T 8836** | $90^{\circ}$ Pin plug (E) | 72 in. Stripped, tin ends ( $J$ ) | . 60 |
| $24.8837 *$ | $90^{\circ} \mathrm{Pin}$ plug (E) | 120 in . Spade lugs( H ) | . 99 |
| $2418871^{\circ}$ | $90^{\circ}$ Pin plug (E) | 72 in. Alligator clips (1) | 1.17 |
| 24 T8838* | $90^{\circ}$ Pin plug (E) | 120 in . Alligator clips (1) | 1.50 |
| 24 T8880 | Pin plug(B) | 72 in. Phone jack (C) | 1.32 |
| 2418881 | Pin plug ( $B$ ) | $72 \mathrm{In} .90^{\circ}$ Pin plug (E) | . 99 |
| $24 \text { TB88 }$ | Pin plug ( $B$ ) | 72 in. Mike Connector (7) | 1.62 |
| $24 \text { T8839 }$ | Pin plug ( 8 ) | 120 in . Mike Connector ( ${ }^{\text {( }}$ ) | 2.22 |
| $24 \text { T } 8840$ | Pin plug ( $B$ ) | 25 ft . Mike Connector (F) | 3.06 |
| $\begin{aligned} & 24 \text { T } 8841^{*} \\ & 24 \text { T8842* } \end{aligned}$ | Pin plug (B) | 72 in . Spade lugs (H) | . 66 |
| $\begin{aligned} & 24 \text { T8842* } \\ & 24 \text { T8843* } \end{aligned}$ | Pin plug ( 8 ) | 120 in . Spade lugs ( H ) | . 99 |
|  | Pin plug ( 8 ) | 72 in . Altigator cllps (1) | 1.17 |

## miscellaneous cables

| $24.8813^{*}$ | Spade lugs (H) | 120 in . Spade lugs ( H ) | 60 |
| :---: | :---: | :---: | :---: |
| 24 T8814* | Spade lugs (H) | 25 ft. Spade lugs (H) | 1.20 |
| 24 T8815* | Alligator clips (1) | 120 in . Alligator clips (1) | 1.17 |
| 24 18816* | Alligator cllips (I) | 25 ft . Alligator clips (1) | 1.68 |
| 24 T 8817 | Mike Connector (F) | 36 in . Mike Connector (f) | 1.32 |
| 2418818 | Mike Connector (F) | 72 in . Mike Connector (5) | 1.65 |
| 24 T 8819 | Mike Connector (F) | 144 in . Mike Connector ( F | 2.31 |
| 2418820 | Mike Connector (F) | 25 ft . Mike Connector ( ${ }^{\text {P }}$ | 3.30 |
| 24 I 8821 | Phono Jack (D) | 36 in . Phono jack (D) | 1.08 |
| 24 T 8822 | Phono lack (0) | 72 ln . Phono jack (0) | 1.29 |

## STEREO ADAPTER CABLE

 24 T8889 Shpg. wt. 6 oz.

ADAPTER CABLES FOR EUROPEAN RECORDERS

$8 \times=$
Adapts European 3 -contact and 5 -contact sockets found in Noreico, Korting, Grundig, Sony and Elber stereo recorders and in Grundig radios, to standard phono plugs. Use in microphone input, speaker output or phono record circuits.
A. 3 Pin Adapter. Connects to 2 phono jacks. Shlelded cable, each 5 in . Color coded. Shpg. ${ }_{24}$ wt. 48875 . $\qquad$ Net 2.25
8. 5 Pin Adapter. Connects to 4 phono jacks. Shielded stereo cables, each 1 ft . Color coded. Shpg. wt., 802 .
24 T 8876
Net 3.60


SWITCHCRAFT ADAPTERS - Shielded plug adapters for mikes \& Hi.FI cables Avg. Shpg. wt., 5 ox.

332A -2 cond. phone jack input to female mike output. Coupling ring back converts mike conn. to male type. Net 1.17
334A-Phong jack input to female mike connector output. 24 T 8856

Net 96
$336 \mathrm{~A}-2$ cond. phone jack input to phono plug output.
24 T8858
C. Net 1.17

338A-Phono plug at one end with male mike connector at other end. 24 T8559

345 A-2 cond. phone plug output with phono jack input. 24 T 8862

24 T8864
Net .75
364A-2-Conductor tini-jack $9 / 64^{\prime \prime}$ dia. sleeve to 2 -conductor standard 1/4" plug.
24 T 8890
Net 1.05
365-2-Conductor tini-jack 9/64" dia. sleeve to phono plug output. 24 T8891 370-Phono jack input to a-conductor tini-plug ( $9 / 64^{*}$ dia. finger) output. 24 T 8892 Net .84
374-2 Conductor phone jack input to a 2 conductor tint-plug ( $9 / 64^{\prime \prime}$ dla. finger) output.

Net 1.17

## RoBINS


(A) PK. 11 COMPLETE DELUXE RECORD CARE KIT. Contains: Professional Record Sweep to clean and lubricate records automatically as they play. Mounts to any phono deck by suction cup. Included Anti-Static Cleaner and Lubricant. Sitylus Pressure Gauge and Counter Balance Weight; Stylus Microscope; and "Rob-O-Stat" Record Cleaning Kit. Wt. 14/4 lb. 24 T 8054

Net 6.99
(B) PK.ja deluxe record care kit. Con. tains: Stylus Pressure Gauge and Counter Balance Weight; Adjustable Stylus Brush; Record Brush to clip on to tone-arm; Turntable Level; Anti-Static Record Cleaning Cloth; and 18 Protective Round Bottom Record Covers.

Net 4.29
24 T 8065
(C) PB- 10 PRDFESSIOMAL RECORD SWEEP. Automatically sweeps dust and other parti. cles from delicate sound grooves of records while depositing Antl-Static sillcone Cleaner and Lubricant. Improves sound fidelity. Easy mount to any phono by suction cup. Includes Anti-Static fluid. Wt. 6 oz 24 T 8066


Pl-2 hound turntable level. Assures accurate leveling of turntable for correct tracking. Minimizes stylus and record groove wear. seff.stick base for mount to phono dech. Wt. 4 oz. (Not illus.)
24 T 8018
Net 1.59
(1) PSD. 4 METAL $5^{\prime \prime}$ DIA. 4-SPEED STROBE bisc. Ghecks $16,331 / 3,45$, and 78 rpm speeds. Wt. 2 oz. 24 T 8042

Net 1.05
(l) PQ-9 DISC-WHISK RECORD CLEANER. Cleans and lubricates LP and 45 rpm records on both sides in one operation by rotating record. Deposits Anti-Static Silicone to im . prove fidelity. Record handling disc included. 24 T 8067 Wt., 5 oz. Net 99
(K) PK-6 "ROB-0-STAT" RECORD CLEANING MIT. Super soft foam applicator mitt; $11 / 2$ 02. Anti-Static cleaner and lubricant, and polyfoam pad. Wt. 8 oz.
24 个 8036
Net 1.39


(D) PJ- 25 ALBUM COVERS. 12 heavy weight plastic window clear covers with thumb notch for easy insertion and removal of record albums. Wt. 602. $\qquad$ Net 99
24 T 8070
(P) PR-1 RECORD EROWSER. Fast, easy selec. tion of records. No need to pull records out. Flip through and select. Sturdy brass plated rack holds large quantity of 12" records neatly in jachets or albums.
24 T 8071 Shpg. wt., 902.
Net 1.59
(a) PS-3 SOLIO STATE AUTOMATIC HI.FI/ STEREO SHUT-OFF. FOR all domestic and imported equipment. Automatically shuts off amplifier and phono after last record plays. Switch for manual operation. Amplifler and phono plug into separate outiets of unit. 6 ft line cord. 110 V. A.C. Slee: $61 / 2^{\prime \prime} L x$ $21 / 4^{\cdots \prime} \times 13 \mathrm{~m}^{\prime \prime}$. Shipg. wt., 2 ibs.
24 T 8072
Net 6.99

PHONO AND RECORD ACCESSORIES

(D) PB-3 ADJUSTABLE STYLUS BRUSH FDR ALL U.S. ANO IMPORTED PHONOS. Spring secured flexible brush adjusts from $3 / 4^{\prime \prime}$ to $21 / 4^{\prime \prime}$ height to meet requirements of any tone. arm. Removes dust blob accumulations on stylus when tone-arm is cycled. Self.stick base for easy mount. Wt. 302.
24 T 8054 $\qquad$ Net 79
(E) PB.a8 "CLEAN-SWEEP". Large soft hair brush gentiy cleans entire traching surface of records up to $12^{-}$with each revolution. Self-stick base mounts to phono deck. Can be swung out of the way when not in use. 24 T 8001 Shpg. wt., 8 Or. ............ Net 4.29
PB-75 CLIP-ON RECORO BRUSH. (Not Illus.) Clips to tone arm. Sweeps dust from record grooves. Wt. 3 or.
44 T 003
Net .49
P8. 2 COMBIMATIDN TONE-ARM LIFT AND RECORO BRUSH. (Not illus.) Clips to tone arm. Sweeps dust and particles from rec. ords. Provides convenient finger lift to prevent scratchlng records. Wt. 302. 24 T 8002

Net .69
$($


(L)
(L) PX-E ANTI-STATIC RECORD KLEEN-SPRAY. Sllicone lubricant and cleaner prevents dust accumulation on records. Eliminates static pops and clicks to improve sound fidetity. Protects records. 8 oz. $\qquad$ $2 \$ \mathrm{~T}_{8068} \mathrm{Wt} .11 \mathrm{oz}$.

Net 1.09
(M) PC-S AUTOMATIC RECORD DUST CDVER. Covers records on automatic changer while playing. Automatically drops after last rec. ord plays to continue lts protection. Seals out dust and grime, a major cause of record and stylus damage. Sign oft tells when last record has played. Wt. 902. 24 T 8069

Net 1.98
PC. 2 TWO ANTI-STATIC RECORD CLEANING CLOTHS AND CLIP.ON RECORD BRUSH. (NOT illus.) Shpg. wi., 402. 24 T8044

Net .75
PK-17 STYLUS ANO RECORO CARE KIT. (NOt illus.) Adjustable Stylus Brush, Stylus Pressure Gauge, and Record Cleaning Cloth. Wt. 1202.

24 T8061
Net 1.79


## ROBINS COLOR.CODE RECORD ACCESSORIES

(R) PK-20 COLOR-COOE LDG KIT. Catalog and color-code your record collection for easy selection of categories. i.e. Red-popular, Blue-Symphonic, etc. Kit contains 120 page color-indexed Log Book; 80 colored self. stich identification Labéls for LP and 45 rpm records; 240 colored Album Index Spots double numbered 1 to 24 ; and Writing Pen. 24 T 8073 Shpg. wt., 1402.

Net 2.49
PL. 5 ALBUM ANO RECORO INOEX SPOTS. (not illus.) 240 self-stlck colored spots, doubie numbered 1 to 24 in 5 colors. Use one set for records, other for matching abbums. 24 T 8074 Shpg. wt., 2 02. .-......... Net .69
(1) PL-8O COLOR COOED OWMER IDENTIFICA. TION RECDRD LABELS. 80 seli-stick labels

(E)
(F)


MRE- POCKET RECORD AND STYLUS BRUSH. (Not Illus.) Soff halr brush in Gold anodized case with pocket clip.
2418041 Shpg. wt., 402. $\qquad$ Net 1.05
(F) PK. 5 PHONO STROBE AND LIGHT KIT. Checks turntable for correct speed. Neon lamp and strobe disc. Tests 3343,45 , and 78 rpm .110 V .60 Hz . A.C. Instructions 24 TB035 Shpg. wt., 6 or

Net 1.49
(G) PSG-3 STYLUS PRESSURE GAUGE. Accu. rately callbrated gauge and counter balance weight. Measures stylus pressure to $1 / 2$ gram. Snpg. wt., 4 oz.
24 T 8055
Net .99
(H) PM-I STYLUS MICROSCOPE. Inspect stylus tip for signs of wear, chips, etc., to prevent record damage. Precision ground lenses, 50X magnification. Knurled focusing adjustment. Convenlent slot at end of scope holds stylus. Pen type pocket clip. $233^{\prime \prime} \times 1 / 2^{\prime \prime}$. 24 T 8016 Imported Wt. 4 oz. $\quad$ Net 1.89


PC. 33 RIM-REST PHONO CUSHION. (not illus.) Has graduated ridges for $7{ }^{\prime \prime}, 10^{\circ}$, and $12^{\prime \prime}$ records. Records rest on rims only. Deilicate sound grooves never touch Rim-Rest. Fits all turntables. Made of supple Polyethylene. 12*
dia. Wt. 6
24 T 8006
Net 1.39
PC-4 TWO RECORD CLOTNS AND A 45 RPM SPINDLE ADAPTOR. Wt. 4 oz. (Not illus.) 24 T 9052

Net. 75
(N) PJ- 18 ROUND BOTTOM PLASTIC RECORO COVERS. Protects $12^{\circ}$ records. Package of 18. 24 T 8056 Shpg. wt., 702.

Net .75
PI. 19 SQUARE PLASTIC ALBUM CDVERS. (NOt Illus.) For $12^{\prime \prime}$ albums. Package of 18.
24 T 8057 Wt. 7 oz.
Net .75
PRA-50 RECORO SPIOERS. (Not illus.) 50 hi . impact plastic 45 rpm adaptors. Easy Insertion. Wt. 6 oz.

Net .75

## 24 T 6046



titled "property of--"', 18 each of 5 colors for LP and 45 rpm records. Shpg. wt., 3 oz . 24 T 8075

Net .79
(U) PT-S COLOR-COOEO ALBUB REIAFORCE. MEMT TAPE. Repair and code albums. 5 rolls, 5 yards each of 5 colors. Enough for 25 albums. Shpg. wt., 602.
24 T8076
Net .99
PK-12 PHONO.ORIVE CARE KIT. (NOT HUS.) 2 oz. bottles of Phono Drive Dil and Non-Slip for phono drives and belts. Shpg. Wt. 6 oz . 24 Thosi

Net 1.19
TURNTABLE CDVERS (Not illus.) Soft, heavy gauge durable plastic covers. Fits most changers. Shpg. wt., 802.
24 T 8027 PJ. $13^{\mu \times 1} \times 1312^{*} \times 8^{\prime \prime}$ $\qquad$ Net 1.39 24 T 2026 PJ. $21212^{-\prime} \times 15^{\prime \prime} \times 83 / 4^{\prime \prime}$ 24 T 8029 PJ-4 $171 / 4$ "×171/2"×9" Net 1.39 Depend on Lafuyette For Complete Stocks, Lowest Prices, Fastest Service

## LAFAYETTE T \& L Pads-Faders -Switches

STEREO LEVEL BALANCE CONTROL

- Dual Concentric

8 ohm LPads

- Logarithmic Curve

Provides individual tevel control for stereo speakers. Varies "brilliance" or "presence" Controls stereo extensions without mis. matching. Dual control mounted on concentric shaft. Gold-finished brass plate and attractive black knobs with gold trimming. $L$ pad for 8 ohm circuits. Plate is $21 / 8^{\prime \prime}$ across; overall depth $3 y / 4$. Imported. Shpg. wt. 1002.
99 \$6140 Level Control


## DELUXE STEREO LEVEL

 BALANCE CONTROL- Dual Concentric 8 ohm L Pads
- Logarithmic Curve Two phono jacks enable you to plug in extension or monitoring speakers from the front. Screw terminals in the rear provide for a simple, permanent
 hookup. Control mounted on concentric shaft. Brushed brass plate with attractive black with gold-trim knobs. Concentric 8 ohm 1 pads. Use it to control volume on a second set of speakers. Plate is $41 / 2 \times 21 / 4^{\prime \prime}$; from front of knob to plate 1"; Overall depths $37 \%^{*}$. Imported. Shpg. wt., 1 lb .
99 T 6141 Oeluxe Level Control -. Net 3.95


## LAFAYETTE L PADS

4 pads for use as "bril. liance" controls to vary tweeter level, or as "presence" controls to vary midrange speaker
 level. Both wire-wound elements are concentrically mounted with. in one plastic housing. With gold-finished metal escutcheon plate, mig. screws, and attractive black knob. Sife: 1\%," dia. $7 / 8$ " deep (less shaft), $21 / 2^{\prime \prime}$ deep overali. Im. ported. Shpg. wt., 6 oz
1 pad for 8 ohm circuits
99 T 6134 $\qquad$ Net 1.39
1 pad for 16 ohm circuits
$\qquad$ Net 1.39

## LAFAYETTE T PADS

Constant impedance control to adjust speaker volume. With orass satin plate for wall mounting. Impedance, 8 ohms. With all parts and instructions. Imported. Shpg. wt., 10 oz .
99 T 6136 Net 4.49 <br> \section*{\section*{LAFAYETTE <br> \section*{\section*{LAFAYETTE <br> <br> <br> REMOTE SPEAKER <br> <br> <br> REMOTE SPEAKER REMOTE
FADERS REMOTE
FADERS <br> <br> 69 4} <br> <br> 69 4}


Remote Speaker Fader Provides adjustable volume level for Radio, TV. Hi-Fi and remote speaker. Gradually increases volume on one speaker while diminishing volume on the other. May also be used to adjust volume for 1 speaker. Gold plate for front panel mounting. With instructions. Imporled. Shpg. wt., 6 oz.
99 T 6138
Net .69
Remote Speaker Fader. Same as above except for wall mounting. Imported. Shpg. wt., $6{ }^{6}$ oz.
99 T6139
Net .89

MULTI-INPUT SELECTOR CONTROL

## STEREO SELECTOR

 SWITCHES FOR SOLID STATE HI-FI SYSTEMS

An all purpose selector control . .. connects any one of 5 inputs to one output. For AM, FM radio. phono, tape recorder or other auxiliary. Unit is completely shielded to prevent hum. Comes complete with all neces. sary mounting hardware and 5 input phono jacks and one output phone jack. An inexpensive addition to any multi-component system. Imported. Shps. wt., I lb. 99 T 1029

Net 1.76

## LAFAYETTE VC-64 STEREO LEVEL CONTROL



- Logarithmic Curve
Two precision 8 -ohm level controls concentrically mounted for stereo. Ideal for controlling Individual volume control of stereo extension speakers without fear of mismatch or affecting volume of main speakers. Also may be used to vary "brilliance" or "presence." Screw terminals. Handsome cream finish with gold panel plate. Overall Size $3 K_{\text {s }} H \times 41 / 2 \mathrm{~W} \times 21 / 4^{\prime \prime} \mathrm{D}$. Imported. Shpg. wt., $11 / 2$ lbs.
99 T 6147


## Net 3.98

## STEREO SELECTOR SWITCHES


(Fig. B)

- Permits Remote Selection of any 3 Pairs of Speakers
Recommended only for Hi-fi Systems Using Vacuum Tube Circuitry
(Fig. A) A constant impedance speaker selector switeh for multiple-speaker Stereo HI.FI. Selects 3 sets of speakers in any combination, with up to 60 watts of audio power. Mounted on an attractlve, gold-fin. ished, steel, electric outlet plate. $23 / 4 \times 41 / 2^{\prime \prime}$. Imported. Shpa. wt., 1 lb .
Stereo Speaker selector Switch 99 T 0098

Net 1.59
(Fig. B) As above in enclosed case $2 \mathrm{H} \times 4 \mathrm{Wx}$ 99 「 0101

Net 2.75

## VOLUME CONTROL ADAPTER



Built in volume control permits high volume signals to be fed into the high gain input of tape recorders without overloading. Phono jack input to a 2 -conductor standard phone plug output. Completely shielded. Designed for use in unbalanced stereo channels; use in pairs for dual stereo channel control. Imported. Shpg. wt. 602.
99 T 0099
Net 1.19
Depend on Lafayette For Complete Stocks, Lowest Prices, Fastest Service

Speaker selector switch for solid state stereo systems. Allows choice of one of three pairs of speakers. High quality, non-shorting contacts capable of handling up to 60 watts audio. Imported. Shps. wt., 1 lb. Wall Box Selector.
99 T 0174 Net 1.59
Enclosed Case Selector.
99 T 0175 Net 2.75

## LAFAYETTE MULTIPLE 6 SPEAKER SWITCHES



- Recommended only for Hi-Fi Systems Using Vacuum Tube Circuitry
Multiple Speaker Switch Constant Im. Dedance device for controlling any 6 remote speakers; uo to 63 different combinations. Wall mounting with brass plate. With instructions and hardware. Shps. wt., 1002.
99 T 0054 Imported. Fig. A $\quad$ Net 2.10 Multiple Speaker Switch

Identical to above but mounted on flat. sold-embossed plate for mounting on flat panel. $31 / 2 \times 25 /{ }^{\prime \prime}$. Imported. Shpg. wit., 10 oz.
99 T $0066 \mathrm{Fig} . \mathrm{B}$
Net 1.19

## LAFAYETTE REMOTE SPEAKER SWITCHES



Recommended only for HI.Fi Systems Using Vacuum Tube Circuitry
(Fig. A). Selects any one of 3, or any combination of 2 of 3 speakers with up to 60 watts of audio power. A constant impedance device. On goid finished steel electric outlet plate with black and ivory knob. $23 / 4 \times 41 / 2^{\prime \prime}$. Imported. Shps. wt., 1 lb .

## 99 T 0053

Net 1.19
(Fig. B) Same as above in enclosed case $31 / 4 x$ $41 / 2 \times 2 \mathrm{~V} \mathrm{~B}^{\mathrm{om}}$. Imported
99 T 0083
Net 1.49

## STEREO SPEAKER

 WALL JACK KIT

A handsome ivory-finish wall stereo lack kit designed to be mounted in a standard outlet box. Ideal for remote ampllifiers or for added stereo pleasure in the den, play room, etc. Contains two standard $1 / 4^{* *}$ phone plugs and two standard 1/4" phone jacks. Size: $4^{7} /{ }^{\circ}$ $\mathrm{x} 2 \mathrm{~m} / \mathrm{s}^{\prime \prime}$. $1^{\prime \prime}$ back clearance required. Im. ported. shpg. wt., $1 / 2 \mathrm{lb}$.
99 T 0136
Net .99

## Hi-Fi Installation Accessories



## ACOUSTONE GRILLE CLOTH

Cholce selection of latest patterns and beautiful decorator colors. Made of finest quality vinyl plastic, woven with proper mesh for passage of high frequencies as well as low. Shpg. wi, $\left(36^{\prime \prime} \times 36^{\circ}\right)$ 8 02. (18" $\times 24^{\prime \prime}$ ) 502.

## Description

Mahogany background with ivory thread
Medium beige background with walnut
Fine gold mesh
Black background with gold cobweb
Light gray background with silver metallic thread
Wainut background with gold stripe
Black background with metalicic gold sparkle thread
Frultwood background with brown diamond pattern White background with ecru and metallic gold thread
Black background with IIght walnut geometric pattern Black, white and silver combinations

## FREE SAMPLE SWATCHES

Supplied free. Just specify stock number below for assortment

| For Use With | $36 ¥ 36$ |  |  | $18 \times 24$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Mahogany | A | 20 T1202 | 2.39 | 2051203 | 1.25 |
| Wainut | B | 20 T1239 | 2.39 | 20 T1240 | 1.25 |
| All Colors | C | 20 T 1212 | 2.39 | 2051220 | 1.25 |
| Ebony | E | 20 T 1213 | 3.75 | 20 T 1221 | 1.25 |
| Gray, Ebony. | $F$ | 20 T1241 | 2.39 | 2071242 | 1.25 |
| Walnut | G | 20 T 1215 | 3.75 | 20 T 1223 | 1.25 |
| All Colors | 0 | 20 T 1227 | 3.75 | 20 T 122 | 1.25 |
| All Early American | 1 | 20.1243 | 3.75 | 2071244 | 1.25 |
| Walnut | K | 2011231 | 3.75 | 20 T 1232 | 1.23 |
| Walnut, Ebony | L | 20 T 1245 | 3.75 | 20 T 1246 | 1.25 |
| All Colors --. | N | 20 T 1247 | 3.75 | 2071248 | 1.25 |

## CANE GRILLE CLOTHS

## Brown background with natural cane crisscross lattice Dark blend walnut wicker cane <br> Modern wainut shaded cane on black base <br>  <br> ORNAMENTAL wETAL GRILLES

Wal. Frtwd., Bind. Wal., Frtwd., Ebon Wal., Frtwd., Ebon

Heavy metal perforated grille, beautifully "brushed brass" plated and lacquered with gold finish effect. For use over cloth or screening in custom built radios, P. A. Speakers and juke boxes.
20 T 5001 Size $12 \times 18^{\prime \prime}$ $\qquad$ Met $\mathbf{2 . 1 0}$ Shpg. Wt., 2 los.
20 T 5002 Size $18 \times 24^{\circ}$
Net 3.67 Shpg. wt., 3 lbs.

## TUFFLEX INSULATION



As Low As
$39^{c}$

Sound absorbing insulating material. Excellent for use in lining speaker cabinets, radiophonograph consoles, etc. Supplied in 1" thich, $12^{*} \times 18{ }^{\text {" }}$ sheets. Shpg. wt., 1002. 20 T 4501

Net .39
Same as above, but 9 square feet in one plece $3^{\prime} \times 3^{\prime}$. Shipg. wt., $21 / 2 \mathrm{lbs}$.
20 T 4000
Net 1.09

## FLEXICONE KIT <br> 亿ெ

Flexicone will improve your speaker sound quality and frequency response by softening the outer edges of the speaker cone thereby reducing the cone resonance from 10 to 40 Hz. Easily applied in just 15 minutes. One inree-bottie hit contains enough material for four $8^{\prime \prime}$ speakers. Complete with instructions. Shpg. wh., 8 oz.
14 T 5501 $\qquad$ Net 1.98


A highly attractive natural color straw fabric grille cloth that is ideal for many types of decor. 27" wide. Supplied only in 1 yd. lengths, Shpg, wt., 8 oz . 20 § 1210 $\qquad$ Net per yard 1.69


Excellent sound absorbing material. For lining interiors of speaker cabinets, consoles, phonos, TV's etc Damps medium and high frequency reverberation and distortion. Suitable for many other installation purposes. 9 sq. ft. 1" thick with glue and applicator. Shog. Wt., 1110.
20 1 1501 $\qquad$
$\qquad$ Net 1.49 DELUXE BASS RELEX KIT: Same as above but contains 20 square ft . $16^{\prime \prime} \times 16^{\circ} \times 1^{\prime \prime}$ thickness fibreglass. Shpg. wt.. 2 ibs. 20 T 1502

Net 2.79

## RUBBER FEET KITS 3 POPULAR SIZES



As Low As phg. of 5
complete with mountong serews ane nuss.
Perfect for keeping tuners, amplifiers, rec. ord players and tape decks from scratching tops of fine furniture. Also permits air space to ensure proper cooling. Imported. phe of $5-1 / 2^{\prime \prime}$ rubber feet. Shog. wt. 202. 954275 Net 24 Pha. of 5- $5 \mathbf{K}^{\prime \prime}$ rubber feet. Shig. wt., 202. 95 T 6276 Net 32 Phg of 5-3/4" pubber leet. Snpg. wt., 302. 99 T 6277 ______ 39

| 20 T 1216 | 2.85 | 20 T 1224 | 1.25 |
| :--- | :--- | :--- | :--- |
| 20 T 1249 | 3.75 | 20 T 250 | 1.25 |
| 20 T 1251 | 3.75 | 20 T 1252 | 1.25 |

SPEAKER REDUCING BOARDS


Enables mounting of smaller speakers in oversize enclosures. Boards are sturdy St" plywood, precut to exact size. All mounting holes are drilled. Brown stained.
20 T 3101 Wt., 2 .
Net .89 Adapts $8^{\text {" }}$ speakers to $12^{*}$ speaker cabinet or baffie.
20 T 3102 Wt., $11 / 2 \mathrm{lbs}$. $\qquad$ Net 1.25 Adapis $12^{\prime \prime}$ speaker to 15 speaker cabinet or baffle.

## DELUXE SET OF AUDIO SHOCK MOUNTS



- Eliminates Vibration ForChanger, Turntable, Amplifier, Receiver, Tuner
Set of four sclentifically designed insulators fit under any hi-fi component. These units "soak-up" Internal and external vibrations and help you to avold needle Jump, motor vibrations, such as turntable rumble effects and co-vibration of tubes and speakers. 2" dlameter. Imported. 99 T 0125 Shpg. wt., $1 / 2 \mathrm{lb}$.

Net 1.95


## HI-FI DECALS

- Give Installations that Professional Look

Versatile hi-fi decal set. Permits identlfication of every part of your hi-fi system. Easily applled to cabinet, chassis, switches, etc. Shpz. wt., 402.

# Custom Hi-Fi Installation Accessories 

## BOOKSHELF-ROOM DIVIDERS

- Superbly Styled Decorator Shelving in Sturdy All Steel Construction
- Ideal For Hi-Fi, Knick-Knacks, and
Book Storage
Incomparable styling and color harmony to biend with any tecor provided by luxurious walnut wood grain shelves and polished pewter posts. Units have utmost rigidity and strength and are accessible from either side. All hardware completely hidden, no screw holes in view. Shelves adjustable at $11 / 2^{\prime \prime}$ intervals. "ecurIty shelf edges keep items from falling off. A screwdriver is the only tool needed for simple and speedy assembly. 4 -shelf unit, $36 \mathrm{~W} \times 120 \times 36^{\prime \prime} \mathrm{High}$. Shpg. wt., 20 lbs.
20 T1901wx
Net 9.95
6 shelf unit same as above. $36 \mathrm{~W} \times 120 \times 60^{\circ} \mathrm{High}$. Shipg, wt., 25 lbs. 20 T 1902wx

Net 13.95
12 shelf double unit same as above, $72 \mathrm{Wx} 12 \mathrm{Dw} 60^{\mathrm{m}}$ High. Shpe. wt., 52 lbs.
20 T1903wX
Net 23.95

## 16 INCH HI-FI SHELF <br> - Ideal for Large Components or TV



Handsome oiled walnut veneer shelf. $16^{\circ}$ wide $\times 36^{\circ}$ long, designed to hold turntables, IV or other large units. Optional $15^{*}$ walnut finished hardwood brackets permit a flosting shelf arrangement. May also be mounted with heavy duty $16^{\prime \prime}$ brackets and standards. Shelf $16^{\prime \prime} \times 36^{\circ}$. Shpg. wt. 12 lbs.
20 T 2400
Net 8.95
$15^{-}$Wood Brackets with mounting screws. Shpg. wt., $11 / 2$ ibs.

## 20 T 2401

Net per pair 4.75

## 12" LAZY SUSAN BEARING

- Compact-Interlocked Unit
- Uses 140 Ball Bearings
- Make Turntables of all Kinds


Unlimited versatility in making and assembling turntables and rotating fixtures of all kinds. $12^{\circ}$ diameter ball race plus 140 precision made steel ball bearings insure maximum stability for the larger Items such as TV sets, tables, etc. Can also be used for comer cabinet shelves-book stands-coffee tables-storage, etc. Attaches easily to first and second surface. One unit construction-no loose parts. Center opening allows for center post. 6\%" I.D. Shpr. wt. 2 lbs.
20 T 4403
Net 3.10

## SLIDE-OUT DRAWER FOR RECORD CHANGERS

Designed for custom installa tions of record changers in bookcases, cabinets. tables. etc. Made of durable plywood and equipped with heavy duty steel slides which operate smoothly
 and quietly on ball-bearings
Slides extend drawer up to $103 / /^{"}$ beyond edge of cabinet. Supplied with uncut blank top. Unfinished wood permits your painting to suit your own decor. Size: $153 / 4 \times 153 / 4 \times 31 / 2^{\prime \prime}$.
20 t 4101 Shpg, wt., 7 lbs.
Net 5.95

## BALL BEARING HEAVY DUTY SLIDES

Drawer slides made of 16 gauge steel. Supports 50 tbs. Ball bearing. double-extension type, drawer slides. length 15". travel length $11^{\prime \prime}$. ex. tended $22^{\prime \prime}$. Shpg. wt. 5 lbs.
 20 T 5201
per pair Net 1.75
SHORT TYPE. Same construction as above but $13^{\prime \prime}$ long; travels $9^{\prime \prime}$; extends to $18^{\circ}$.

## 20 T 5202 <br> per pair Net 1.50 <br> LEVEL AND LEVELING SCREWS <br> For stereo and mono Hi-FI systems. Prevents unneces sary needle and record aroove wear. Precision. circular bubble type level indicator for accurate turntable leveling. Circular 4 -way spirit level mounts to top deck of turntable. Four adjustable leveling screws and T nuts. Provides quich. easy adjustment. 24 T 8034 Shpg. wt., 602. <br> Net 2.69

## LUSTRA 600 SHELF HARDWARE

- Create Your Own Hi-Fi BookshelfWall Units
- Go As High And Wide as You Choose


Requires only a screwdriver and your plan to change blank walls to functional and attractive wall shelf arrangements. Easily changed and enlarged. Brackets and standards are anodized aluminum in finishes that will never tarnish, rust or corrode. Avallable in Walnut, Gold and Natural Silver.

WALL STANDARDS-mOUNTINE STRIPS

| Length | $\begin{aligned} & \text { Wt. } \\ & \text { De. } \end{aligned}$ | Natural Stock Me. | Walnut Stock No. | Gold Steck No. | Net Ea. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 2 ft . | 6 | 20 T 2500 | 2012503 | 20 T 2506 | . 60 |
| 3 ft . | 8 | 20 T 2501 | 20 T 2504 | 20 T 2507 | . 90 |
| 4 ft . | 12 | 20 T 2502 w | 20 T 2505W | 20 T 2508W | 1.20 |
| SHELF BRECKETS - SUPPORTS |  |  |  |  |  |
| 8 in. | 3 | 20T 2509 | 20 T 2513 | 20 T 2517 | . 54 |
| 12 in. | 4 | 20 T2510 | 20 T 2514 | 20 T 2518 | . 60 |
| 16 in. | 6 | 20 T 2511 | 20 T 2515 | 20 T 2519 | .71 |

## FINE FURNITURE FINISHED SHELVES

Smart Danish walnut finish decorator sheives for custom assemblies, utllizing shelf hardware. All six sides squared and finished.

| Stock No. | length | Wldth | Shpg. Wt. | Net |
| :--- | :---: | :---: | :---: | ---: |
| 20 T 2521 | $24^{*}$ | $8^{\circ \prime}$ | $31 / 2 \mathrm{lbs}$. | 2.80 |
| 20 T 2522 | $36^{*}$ | $8^{\prime \prime}$ | $51 / 2 \mathrm{lbs}$ | 3.75 |
| 20 Y 2523 | $36^{*}$ | $12^{\prime \prime}$ | $81 / 2 \mathrm{lbs}$. | 5.20 |

## TAPERED LEGS

- Easy to attach
- Self-leveling guides

These sets of four finely designed legs are perfect for home benches, bookcases, hi-fi cabinets, and many other uses. Sanded unfinished hardwood legs are 11/4"in diameter at the top with graceful taper to a brushed brass ferrule at the tip. They can be adjusted to straight or flared style.

| Ht. Stock No. | Shpe W. ths. | $\begin{aligned} & \text { Sot } \\ & \text { of } 4 \\ & \text { Het } \end{aligned}$ | Ht. Stock No. | Shes. Lhs. | sef of 4 Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 4" 20 T 3601 | 11/2 | 1.80 | 16"20 20.3606 | 31/4 | 2.89 |
| $6{ }^{\prime \prime} 20$ T 3602 | 11/4 | 1.87 | $18^{\prime \prime} 20$ T 3607 | 4 | 3.23 |
| $8{ }^{\prime \prime} 20$ T 3603 | 21/2 | 2.10 | 22" 20 T 3608 | 41/4 | 3.64 |
| 12*20 20 ¢604 | 21/2 | 2.42 | 28" 20 T 3609 | 41/2 | 4.17 |
| $14^{\prime \prime} 20$ T 3605 | $31 / 4$ | 2.75 |  |  |  |

## DANISH WALNUT FINISHING KIT

A professional wood finish. ing kit. ldeal for the unfinished speaker enclosure kits Ilsted in this catalog. Consists of $1 / 2$ pint stain, $1 / 4$ pint finish, cloth, steel wool. 2 pipe cleaners, and sandpaper. Will stain and finish (2 coats) approximately 50 sq. ft. Shpg. wt. 2 tbs.

## 20 T 1401



## ANTIQUE FINISHING KITS

Create beautiful antique finishes without messy paint removal. Simple two step process, applied directly over any surface you can paint. All inclusive kit contains 1-pint base coat, 4.02 . shadotone, cheesecloth, sand. paper, and easy-to - follow instructions. Available in 6 beautiful antique finishes. Shpg. wt., $21 / 2$ lbs.


20 T 2701 Antique Ivory Kit

Net 2.95

20 T 2702 Old World Green Kit Net 2.95
2012703 French Provincial Kit
20 T 2704 Desert Gold Kit
20 T 2705 Seville Orange Kit Net 2.95

20 T 2706 Royal Turauoise Kit

# Extension, Outdoor and TV Remote Control Speakers 



## NEW! LAFAYETTE "DECORATOR TYPE" EXTENSION SPEAKER SYSTEM

 Only $9^{95}$- Powerful $6^{1 / 2 "}$ Wide-Range Speaker
- Handles Up To 6-Watts Music Power
- Handsome Oiled WaInut Wood Enclosure

Buy Two
And SAVE 2.00
2 For 17.90

## LAFAYETTE OUTDOOR $8^{\text { P PATIO SPEAKER }}$



Enjoy music while relaxing outdoors on your patio; in your yard; at your bar-b-que. Completely wired, ready to install to a radio, phono or hi-fi system. Unaffected by dampness, humidity, or rain. Motal baffle finished in burgundy enamel. 8 ohm impedance. Peak Power 20 watts. Size: $111 / 2 \times 111 / 2 \times 51 / 4^{\prime \prime}$. With $15^{\circ}$ hook-up wire attached. Shpg. wt., $61 / 4 \mathrm{lbs}$. $\qquad$ Net 10.95 Similar to $\qquad$ Nic crossover. For extended range coverage of $70.15,000 \mathrm{~Hz}$. 44 T 3306W Shpg. wt., 7 lbs.

## LAFAYETTE EXTENSION <br> SHELF SPEAKER SYSTEM


$6^{80_{5}^{35}}$

- Attractive Mahogany Finished Wood Cabinet
Ideal as an extension speaker for your den, basement, kitchen or bedroom. Use two for stereo or with your TV and Radio. Housed in a beautiful mahogany finished wood cabinet. 5 -watt $4 \times 6^{\prime \prime}$ speaker is designed to work from either 4. or $8-0 \mathrm{hm}$ output. Supplied with 25 -feet of cable. Size: $94 / 2 \times 73 / 4 \times$ $3^{1 / a^{\circ} D}$. Imported. Shpg. wt., 5 lbs. 99 T 4550

Net 6.95

## LAFAYETTE 4" PAGING SPEAKER SYSTEM



For use in multd-speaker low power paging systems, intercom systems, auxiliary bench speaker, etc. 4" PM speaker with heavy mag. net. Mounted in 2 -tone walnut and black wood baffle. The baffle has sloping-front and enclosed-back acoustic construction and has a built-in jack for plug-in connection of the $25^{\circ}$ cable and plug supplied. Speaker voice coil is 4 ohms. Size: $5 W \times 55 / 6 \mathrm{H} \times 31 / 4 \mathrm{D}^{\prime \prime}$. Imported. Shpg. wt. 4 lbs.
99 T e5si - Net $3.75_{\text {; - Lots of } 3 \text {, each } 3.35}$

LAFAYETTE EXTENSION
WALL SPEAKER SYSTEM


Only


- 6" Wide Range Speaker
- Oiled Walnut

Wood Finish
Fine sounding and handsome looking extension speaker system witt, brackets for hangling on any wall. Outstanding tonal quality makes it ideal for Hi-fi extension speakers at home and for background music systems in the office, restaurant, etc. Excellent for P.A. and paging. $97 / 8 \mathrm{H} \times 9 \% \mathrm{~mW} \times 4^{\circ \mathrm{D}}$. Impedance 8 -ohms. Imported. Shpg. wt., 4 tbs. 99 T 4549

Net 6.95

## LAFAYETTE DESK TYPE EXIENSION SPEAKER SYSTEM



- Walnut Decorator Baffle with Cane Grille
Versatile extensjon speaker sultable for desk or shelf use. Attractive tri-angular shaped, oiled walnut finished cabinet. Powerful $4 x$ 6"'oval speaker provides fine tone. Complete with volume control and 22 ft . of wire. Impedance 8 ohms. Size: $73 / 4 \mathrm{~W} \times 51 / 4 \mathrm{H} \times$ $51 / 2 \cdots \mathrm{D}$ (at the base). Imported. Wt., $31 / 2 \mathrm{lbs}$. 99 T0121

Net 5.95
LAFAYETTE "2-WAY REMOTE CONTROL" TV SPEAKERS

(A) Miniature "2.Way Remote Control" TV Speaker. Fine quality built-in speaker makes it perfect for use as a remote TV speaker anywhere in your home or office. Dual controls for listening to TV speaker only, remote speaker only, or both speakers together. Attractive molded cabinet measures $4 W \times$ $27 / 8 \mathrm{H} \times 13 / 4 \times \mathrm{D}$. Complete with $20 . \mathrm{ff}$. of 4 conductor cable. Imported. Wt., $12 / 2$ lbs. 99 T 4548

- Control Both TV Set Speaker and Remote Speaker From Your Armchair
- Listen to Either One Speaker Alone or Both Together
- Ideal Personal Speaker for Hard-Of-Hearing
(B) Deluxe "2-Way Remote Control" TV Speaker. A large $4 \times 6^{* \prime}$ full-range speaker mounted in a larger cabinet for improved tonal quality. With 2 fader controls so that you may listen to either the TV speaker, this remote speaker, or both blended to the volume level you desire for each. You can turn off volume on both speakers without turning off the set. Attractive walnut finished cabinet which measures $93 / 4 \mathrm{~L} \times 61 / 4 \mathrm{H}$ $x 3 y=0$. Complete with 20 ft . of, cable. Imported.
99 T 4596 Shpg. wt., 4 lbs. Net 5.95


# Famous Name Musical Instrument Speakers 

## NEW ZIfili SUPER POWER CADENCE MUSICAL INSTRUMENT SPEAKERS

- Provides Natural Reproduction of Amplified Instruments As
- Full Rich Tonal Quality
Low
As New improved musical instrument speakers with replacement in electric organs, gultars, bass gui-heat-proofed voice colls and reinforced steel tars, and atcordions. All speakers have 8 -ohm voice chassis for long life at higher power levels. Spe. colls. All speakers are round except which is clally designed to meet the rigid requirements for oval.

| Stock No. | Utah Madel | Type | Mag. Wt. <br> (02.) | V.C. Dia. <br> (in.) | Peak Audio (watts) | For Use W th | Depth (in.) | Shpg. Wt. (lbs.) | Net Ea. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 T 4934 | MH-8JC | $8^{\prime \prime}$ | 10 | 1 | 30 | Organ, Guitar | 3 | $23 / 4$ | 9.95 |
| 32 T 4935 | MH-10JC | $10^{\prime \prime}$ | 10 | 1 | 35 | Organ, Gu tar | 3116 | 3 | 10.95 |
| 32 T 4936 | MH.12JC | 12" | 10 | 1 | 40 | Organ, Gustar | 4\% | $33 / 4$ | 11.95 |
| 32 T 4937 | MH-12PC | 12*' | 20 | 11/2 | 60 | Organ, Gu.tar, Bass Guitar Accordion | 45/8 | 6 | 16.75 |
| 32 T 4938 | MH.12PXC | 12" | 30 | 11/2 | 70 | Organ, Guitar, Bass Guitar Accordion | 5\%/ |  | 22.50 |
| 32 T 4939 | MH-12RC | 12" | 40 | 2 | 85 | Organ, Bass Guitar | 51/8 | 101/2 | 39.00 |
| 32 T 4940 W | MH-15PXC | 15" | 30 | 11/2 | 75 | Organ, Guitar, 8ass Guitar Accordiolt | 61/2 | 12 | 27.00 |
| 32 T 4941 W | MH-15RC MH-69JC | 15"' ${ }^{\prime \prime}$ | 40 10 | 2 | 90 30 | Organ, Bass Guitar | 6\% | 121/4 | 44.50 9.75 |

## DELUXE JENSEN CONCERT SERIES MUSICAL INSTRUMENT LOUDSPEAKERS

- Models 1220 and 1520 Bring Out Optimum Low End Response For Bass Guitar And String Bass
- Model 1250, 1550 Constantly Reproduce Total Range Response For Fully Instrumented Guitar And Accordion

DELUXE SERIES-Naturally beautful reproduction of Guitar, 8ass, Bass Guitar, String Bass, and Accordion. Heavy duty high temperature voice coils with fiberglass bobbins to prevent electrical burnout. Special high stress mechanical suspension allows high power surges and large diaphragm amplitudes without damage. Aso features heavy duly magnet structures. All speakers have 8 ohms impedance. Power Rating 100 watts. Resonance.

| Stock Mo. | Model No . | size (in.) | Mas (lbs.) | $\begin{aligned} & \text { Res. } \\ & \text { (CPS) } \end{aligned}$ | V.C. <br> (in) | For Use With | Depth (in.) | Shipg. Wt. (los.) | $\begin{aligned} & \text { Net } \\ & \text { Ea. } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 T 8100 W | EM-1220 | 12 | 17/4 | 60 | 11/2 | 8ass Guitar, String Bass | 61/a | 9 | 38.85 |
| 32 T8101w | EM. 1520 | 15 | 3.6 | 60 | 2 | Bass Guitar, String Bass | $81 / 4$ | 171/2 | 74.97 |
| 32 T 8102 W | EM-1050 | 10 | 17/4 | 90 | $11 / 2$ | Gultar and Accordion | 41/4 | 8 | 34.50 |
| 32 T8103w | EM-1250 | 12 | 13/4 | 90 | $11 / 2$ | Guitar and Accordion | 61/4 | 9 | 38.85 |
| 32 T 8104W | EM-1550 | 15 | 3.6 | 90 | 2 | Guitar and Accordion | 81/4 | 171/2 | 74.97 |



## ALTEC PROFESSIONAL INSTRUMENT SPEAKERS

- Upgrade Your Present Equipment

As Low As $67^{50}$


- Designed For String Bass Instruments. Electric Guitars, Electric Organs
- Reproduces Crisp Brilliant Highs, And Full Clean Lows
- Massive Magnet Structures Up To $171 / 2$ Lbs.
- Rugged Heavy Cast Aluminum Frames
- 3" Aluminum Edge-Wound Voice Coils

MODEL 4178-12" Professjonal Quality Instrument Speaker Power: 75 watts, Impedance: 8 -ohms, Voice Coll: $3^{\prime \prime}$, Magnet Structure: 104/2 lbs., Diameter: $124 \mathrm{H}^{\prime \prime}$, Depth: $5 \%{ }^{5 / \mathrm{c}}$. Shpg. wt., 17 Itis.
32 T 3850wx $\$ 5$ Monthly
Net 67.50

[^7]
## SUPER DELUXE JENSEN HEM-40 HIGH FREQUENCY

- Handles Up To 400-Watts
- Add To Power Modules, Column Speakers

$$
\text { only } 72^{00}
$$

Achieve a thrilling new character and personality of sound. Adds crisp, dazzling bright tone. Ideal for attaching to Electronic Musical Instruments, Column Speakers, or Power Modules. Strituing chrome plated 4 -horn array with bulit.in 4000 Hz crossover. Handies up to 400 -watts. Size: $7 y_{8}{ }^{\prime \prime H} 121 / 4^{\prime \prime}$ Wx6"D. Shpg. wt., 7 lbs.
32 T 8105 m \$5 Monthly
Net 12.00

## ATgOS "THUNDER COLUMN 200"

## Only <br> $139^{95}$

- Handles 200-Watt Peak
- 6 Instrument Music Speakers

Conservatively rated at 100 watts (full 200 watts on peaks). Clean response from 60 $13,000 \mathrm{~Hz}$. Precise internal placement of 6 spectally designed speakers provides tapered high-frequency response so vital to proper tonal balance. Exclusive Argos "Cretian Trap" baffiling system effectively dampens high frequency bleed-off and rear port feedback, even at high volume. Fused against overload. Attractive vinyl case. Impedance: 8 ohms. Magnet size: $1 / 4 \mathrm{lb}$. Slze: $81 / 4 \times 10^{3 / 4 x}$ 51 "H. Shpg. wt., 59 lbs.
4 T I 303wx $\$ 7.50$ Monthly ... .. Net 139.95


# Replacement Speakers and Baffles 

103


LAFAYETTE ECONOMY-LINE PM SPEAKER
Top quality replacement speakers. Selected for universal application rugged construction-standard configurations. Alt have 3.2 ohm voice coils. Made in U.S.A. except 99 Series are imported.

| Stock No. | S123 | Strape | Mas. Wh. | Peak Watts | Shis. W. | Net Ea. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 99 T 6268 | $4{ }^{\prime \prime}$ | Square | . 6002. | 3.0 | 1 | . 98 |
| 99 T 6269 | $5{ }^{\prime \prime}$ | P.C. | .6802. | 4.0 | 1 | 1.04 |
| 32 T 0109 | 5x7" | Oval | 1.002. | 5.0 | $11 / 2$ | 2.39 |
| 99 T 6270 | $6^{\prime \prime}$ | Round | 1.0 02. | 8.0 | $13 / 2$ | 1.64 |
| 32 T 0107 | 6x9" | Oval | 1.47 0z. | 7.0 | 2 | 2.85 |
| 32 T 0104 | 6x9 ${ }^{\prime \prime}$ | Oval | 2.1502. | 8.0 | $21 / 2$ | 3.29 |
| 99 T 6271 | 8 | P.C. | 2.0502. | 10.0 | $21 / 4$ | 2.29 |
| 32 T 0108 | 12" | Round | 3.1602. | 12.0 | 5 | 4.99 |

## URIVA MICROGAP PM SPEAKERS <br> 

Features famous MICROGAP precision in centering of voice coil, giving increased and uniform sensitivity. All heavily cadmium plated rust proof construction. All with alnico $V$ magnets. All volce colls 3.4 ohms except $12^{\prime \prime}$ is 8 ohms. t with transformer mounting bracket.

| Stock No. | Stze-Shape |  | Mat. Oz. | Pr. | Shes. Lhs. | Nei Ea. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 T 4914 | $5 \times 3$ OVAL | 4 | 55 | D | $1 / 2$ | 2.25 |
| 32 T 4901 | 31/2" SQUARE | 3 | . 75 | A | $1 / 2$ | 2.22 |
| $32 \mathrm{~T} 4902+$ | 4*SQUARE | 5 | 1.2 | A | 1 | 2.64 |
| 32 T 4903 | $4 \times 6$ OVAL | 5 | 1.2 | D | 1 | 3.09 |
| 32 T 4904 + | 5"P.C. | 5 | 1.2 | 8 |  | 2.79 |
| 32 T 4905 | $6^{\prime \prime}$ P.C. | 8 | 3.16 | 8 | 11/2 | 4.23 |
| 32 T 4906 | $6 \times 9$ OVAL | 10 | 3.16 | D | 2 | 5.01 |
| 32 T 4907t | $8^{\prime \prime}$ ROUND | 10 | 3.16 | C | 2 | 4.92 |
| 32 T 4908 | 12* ROUND | 14 | 6.8 | C | 47/4 | 7.80 |

UTAH TAPE RECORDER SPEAKER
$5 \times 3^{\prime \prime}$ oval, Rated 4 watts Program 3.2 ohm volce coll. 32 T 4914 Shpg. wt., $1 / 2 \mathrm{lb}$,

Net 2.25

## UTAH INTERCOM SPEAKERS

High sensitivity, especially designed for "talk-back" circuits. Ideal for selective paging systems. Use as speaker and microphone. All 45 ohm voice coil impedance.

| Stock Mo. | Size-Shapa |  | Pest | F18. | D.D. | Depth | hps. Wt. | Met |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 T 4912 | $31 / 2{ }^{\prime \prime}$ SQUARE | . 68 | 4 | A | $31 \%_{2}^{\prime \prime}$ | 11/6. | 1 | 2.55 |
| 32 T 4913 | 4 "SQUARE | . 68 | 4 | A | $4 \%_{2}^{\prime \prime}$ | $1 \mathrm{~K}_{6}$ | 1 | 2.49 |



## MODERN SPEAKER BAFFLES

Well built plywood speaker baffles for Indoor public address and paging systems, intercoms, extension speakers, etc. Frieze-design grille cloth. modem walnut finish. *Bookshelf type--square type.

| Stock No. | Description | Fis. | We. Ins. | Sinely <br> Ench | Lots of 3 <br> Each |
| :--- | :--- | :---: | :---: | :---: | :---: |
| 20 T 1306 | For $5^{\prime \prime}$ or $6^{\prime \prime}$ | A | 3 | 2.85 | 2.61 |
| 20 T 1307 | For $8^{\prime \prime}$ | A | 4 | 3.19 | 2.94 |
| 20 T1308 | For $10^{\prime \prime}$ or $12^{\prime \prime}$ | A | 5 | 4.65 | 4.45 |
| 20 T 1309 | For $8^{\prime \prime}$ | B | 6 | 7.95 | 7.35 |



## EXACT REPLACEMENT MINIATURE SPEAKERS

Quallty Alnico PM speakers for replacement in transistor portade sets. Ideal for the experimenter. "have mtg. holes on $\mathbf{2 '}^{\prime \prime}$ centers; $\dagger$ on $1 \mathrm{~K}_{2}$ " centers; OHMS Is Voice coil impedance. Dimensions given are overall. Imported.

| Stock No. | Fis. | Diam. | Depth | Ohms | W. | ] |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $9918035 \dagger$ | A | $152^{\prime \prime}$ | 170" | 10 | 602. | 4 |
| 99 T 6036 | C | $2{ }^{\prime \prime}$ | 1\%" | 8 | 802. | . 99 |
| 99 T 6037 | C | 21/4" | "10" | 8 | 802. | . 99 |
| 99 T 6038 | C | $21 / 2^{\prime \prime}$ | "1/4" | 8 | 802. | . 99 |
| 99 T 6039* | 8 | 21/2" | 11/4" | 3-4 | 802. | . 99 |
| 99 T6097* | 8 | 21/2" | 11/4* | 10 | 802. | . 99 |
| 99 T 6098 | 0 | 23/4" | ${ }^{6} \%^{\prime \prime}$ | 8 | 802. | . 99 |
| 99 T 5032 | E | 3 | 'K6" | 8 | 10 oz . | . 99 |

## LAFAYETTE CUSTOM IN-DOOR SET OF 4 SPEAKERS $8^{95}$ <br>  Get that full, rich stereo sound from your car tape player, Ready for quick installation. Improves the sound and performance of any car tape player. Kit includes: Four 43/4" extended range 8 -ohm PM speakers; four round custom mount plastic speaker grilts; all necessary hookup wire with solderless connectors; mounting hardware and easy-to follow instructions. Imported. Shpg. wt., 3 lbs. 99 T 6286 .................................Net 8.95 <br> NEW LAFAYETTE SET OF <br> TWO UNDERDASH $3 \times 5^{\prime \prime}$ MATCHING SPEAKER SYSTEMS


$2-3 \times 5^{\circ}$ wide-range ceramic speakers mounted in plastic housings will mount under dash, under seats, on kick panels, doors, or rear package shelf. Includes all necessary cables and mounting hardware. Imported, Shpg. wt., 3 lbs.
99 T 6299
Net 6.95

## NEW DELUXE SET OF TWO REAR DECK MATCHING SPEAKER SYSTEMS

\author{

- 5 Watts Peak Handling Power <br> Only $9^{95}$
} Set of two powerful $4^{\text {- }}$ speakers mounted in handsome ebony plastic cabinets with silver trim. Specially designed to mount on car's rear deck. Can also be surface mounted anywhere. Provides outstanding sound reproduction. Includes all necessary cables and mounting hardware. Imported. Shps. wt. 4 lbs .
99 F 6298
Net 9.95


Frames constructed of plywood, front panels of acoustically correct particle board. Locked corners for maximum strength. Attractive recessed front, beautiful walnut wood-grain fabric covering. Complete with speaker mounting hardware.

| Stock Mo. | Utah Ne. | Fig | For Spkr. | $\begin{aligned} & \text { Size } \\ & \mathrm{H} \mathrm{\times W} \mathrm{\times D}^{*} \end{aligned}$ | singe. | Met |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 20 T 4812 | SS8.W | A | $8^{\prime \prime}$ | 14×151/2×82/8 | 3 | 8.28 |
| 20 T 4814 | CS8-W | B | $8^{\prime \prime}$ | 91/2x94/2 $61 / 4$ | 11/4 | 5.16 |
| 20 T 4815 | CS12-W | B | $12^{\prime \prime}$ | $131 / 2 \times 131 / 2 \times 83 / 4$ | 21/2 | 6.99 |

# Auto-Speaker Kits - Auto Speakers - Accessories 



## REAR SPEAKER KITS FOR AUTO RADIOS

Complete kits for adding second speaker in rear of your car. Switch-controlited kits include a P.M. speaker, 3 -position selector switch for cutting in front, rear, or both speakers; dial plate with mounting bracket, knob and hardware; chrome grille, wire and wiring instructions. Fader controlled kits are identical except in place of switch a fader STOCK NO. SPEAKER CONTROL

| Stock NO | SPEAKER | COMTROL | Wablo TYPE | crille | WE Y |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 32 T 2205 | $5 \times 7$ | Switch | Tube | Chrome | 3.5 |
| 32 T 2207 | $6 \times 9$ | Switch | Tube | Chrome | 3.15 |
| 3212211 | 6x9* | Fader | Tube | Chrome | 4.6 |
| 32 T 2202 | $6 \times 9$ | Fader | Trans. | Chrome | 4.9 |
| 3212218 | $6 \times 9$ | Fader | Trans. | Gray | 4.8 |
| 32 T 2213 | 6x9 \# | Fader | Trans. | Chrome | 6.9 |
| 32 T 2219 | 6x9 | Fader | trans. | Gray | 6. |
| 32 Y 2203 | $6^{\prime \prime}$ | Fader | Trans. | Nonet | 4.1 |

This kit for installation in autos with recess between seats in rear. No grille supplied.

- Deluxe speaker with 2.15 oz. magnet. Deluxe speaker plus quick assembly harness.


## REPLACEMENT AUTO PM SPEAKERS

## Lafayette transistor auto pm speakers

All have mutti-impedance voice colls to match all transistor sets. Will match $40,20,8$ ohms or less. Silmiline design.

| $\begin{aligned} & \text { STOCX } \\ & \text { NO. } \end{aligned}$ | SIZE-SHAPE | V.C. IMP. | PEAK WATT5 | $\begin{aligned} & \text { MAG. } \\ & \text { OZS. } \end{aligned}$ | SHPG. WT. | NET |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 3212204 | $6 \times 9^{\prime \prime}$ Oval | Multiohm | 7 | 1.47 | 21/2 | 3.60 |
| 32 I2214 | $6 \times 9^{\prime \prime}$ Oval | Multi-ohm | 12 | 5.0 | $41 / 2$ | 5.19 |
| 32 T 2205 | $6^{-1}$ round | Multi-ohm | 7 | 1.47 | 2 | 3.15 |
| 32 I 2206 | $4 \times 6^{\prime \prime}$ Oval | Multi-ohm | 7 | 1.47 | 112 | 2.69 |
| 12 T 2215 | $4 \times 10^{\prime}$ Oval | Multi-ohm | 7 | 1.47 | $21 / 2$ | 3.50 |

## UTAH AUTO SPEAKERS

A complete line of speakers of replacement for all types of auto sets including the new transistorized sets. Voice coil impedances where shown as "10/20/40" are 40 chm tapped useable for either impedance and are specially designed for transistor sets. indicates shallow type, only $21 /{ }^{\circ}$ " deep.

| STOCK NO. | SIzE-SHAPE | V.C. IMP. |
| :--- | :--- | :--- |
| $32 T 4916$ | $5 \times 7$ Oval | $10 / 20 / 40$ |
| $32 T 4917$ | $4 \times 10$ Oval | $10 / 20 / 40$ |
| $32 T 4918$ | $6 \times 9$ Oval | $10 / 20 / 40$ |
| $32 T 4919:$ | $6 \times 9$ Oval | $10 / 20 / 40$ |
| SPEAKER | GRILLES |  |

Handsome perforated metal grilles for rearseat speaker use or other installations. Avg.

## DELUXE SPEAKER GRILLES

Dress uo original equipment or accessory speaker installations with a contemporary styled twotoned slotted speaker grille. Molded high impact black cycolac with raised chrome bead and luxurious black and chrome medallion, dress up speaker installations. With chrome bolts. nuts.
5 k 7 - Deluxe Grille
32 T 5702 Wt., 10 or.
$6 \times \mathbf{y}^{\circ}$ Delure Grille 32 T 5700 Wt., 12 oz.
$\qquad$
 3.WAY PUSH-BUTTON SWITCH

Just push a button to select elther front speaker alone, rear speaker alone or both together. Cories completely assembled on black a silver metal plate with cable, hardware and simple instructions. Imported. Shipg. wt., $1 / 2 \mathrm{lb}$.
90 Y 0510 Lots of 3, ea. . 75 singly, ea. . 69
is supplied which controls volume of both speakers simultaneously, gradually reducing volume on one while increasing volume on the other. Kits for transistorized auto radios have speakers with multi-impedance volce colls to match $40,20,8-10$ ohms or less; work with all sets, transistorized or tube. Simple to install, Shpg. wt., 4 lbs.

ADIO TYPE SRILLE
NE
3.59
3.59
3.09
4.30
.99
4.89
.95
6.55

- Fits Compacts, Station Wagons
- Fits Foreign Cars, Sports Cars
- Prewired-Self Contained
- 3Position Switch

Easy to install, it will fit any auto radio in any domestic or foreign car. Finished in a gleaming chrome shock resistant case, it can be hung up or clipped almost anywhere. Includes all necessary wire, instructions and 3-position switch for front, rear or $\mathbf{2}$-speaker operation. Imported. Shpg. wt., 12 oz. 99 T 6122 Net 2.75

## STATION WAGON REAR-SEAT KIT



- For All Transistor Car Radios And All Tube Radios From 1963 On
A fully assembled, easy-to-install auxiliary speaker for all station wagons. Single $4 \times 6^{\prime \prime}$ Alnico $V$ speaker, chrome grille, swivel bracket, 3 -position switch with dial plate and knob. Comes complete with installation instructions and wiring diagram. Shpg. wt., 3 lbs .
32 I 2220
Net 6.50
DUAL HI-FI REAR-SEAT SPEAKER KIT



## - Woofer-Tweeter-Crossover

Multi-impedance voice coil for all transistor and tube sets. "Universal" speaker kit includes two Alinico $V$ units-a $51 / 2^{\prime \prime}$ woofer and $3^{\prime \prime}$ tweeter with electronic crossover net. work; chrome grille and baffle which fits regular $6 \times 9^{* \prime}$ cut-out; plus pre-wired, presoldered, 3-position swltch. Shpg. wt.. 4 Ibs. 32 T4933

Net 1.75

## LAFAYETTE "VARY-MOUNT" SPEAKER FOR CAR RADIOS AND TAPE PLAYERS

 speakers. Gradually reduces volume on one speaker while increasing volume on the other. Control comes complefely mounted on black and silver metal plate with lvory pointer knob plus attached wiring for connections to both speakers. With mitg. hardware and instructions.99 T 8507 ... Shpg. wt., 4/2 ......... Net . 64

Depend on Lafayette For Everything in Electronics


Gives choice of front speaker alone, rear speaker alone, or both together. Comes completely assembled on black and sliver mictal plate with ivory knob and cable for connection to both speakers. With hardware and simple instructions. Imported.
4 18500
${ }^{\text {onty }} 4^{44}$
${ }^{2100} 7^{\circ 0}$
Deluxe flush-mounting speaker with beautiful chrome grill. Ideal for use as an auto speaker or anywhere shallow depth is required. Full range speaker has heavy magnet and offers outstanding sound quality. Can also be used as a ceiling or wall mount speaker in your home. Imp., 8 ohms. Overall dia.: 61/4". Imported. Wt., 3 lbs.
9910179
Net 4.44
2 for 7.99

# Custom Deluxe Solid State Radios For Volkswagen Cars 

 NEW! Deluxe PUSHBUTTON SOLID STATE AM RADIO- For 6 or 12 Volt Neg./Positive Ground
- Easy Snap-In Mount
- 4-Watts Superb Audio Power - $5^{\prime \prime}$ External Speaker
just a snap 10 install. Custom designeo to snap into instrument panei on the dash board from the front. Mounts in a matter of minutes. Features all-transistor circult of advanced design which gives a full 4-watts of superb audio power. Automatic volume control provides constant, even comfort-level listening. Continuously variable tone control. Five quick-set pushbuttons permit finger-tip station tuning. Seven tuned circuits. including RF stage, give maximum sensifivity. Shpg. wt., 6 lbs. 17 T 7439 \$5 Monthly .............. Net 37.95

Designed To Fit All Standard Models From 1957-1968

# Only 295 No Money Down 

## DELUXE PUSHBUTTON SOLID STATE FM-AM CAR RADIOS

MANUAL SOLID-STATE AM CAR RADIO

$27^{95}$
No Money
Down

Designed To Fit All Standard 6 or 12 Volt Volkswagen Models Up To And Including 1967

## Choice

Your

- For 1967 and 1968 Models
- 6-Inch External Speaker
- 11-Transistors, 2-Diodes

No Money Down
Deluxe solid-state custom AM-FM radio for all standard Volkswagen 1967-1968年models. Matches decor of car's interior. All solidstate circuitry with hi-fi features. 11-transistors, 2 -diodes. AFC on FM for drift-free performance. Push-pull output. High sensitivity for long distance reception on both AM and FM. 4-IF stages on FM. Continuous variable tone control. Large 6" external speaker. Shpg. wt.. 6 lbs.
17 T 7429 For 1967 volkswagen
Net 69.95
17 T 7440 For 1968 Volkswagen*
*Snap-In Front Mount For Easy Installation

Custom manual radio for all standard Volkswagen cars thru 1967 Operates on $6 / 12$ volt negative ground. Provides fine sound re. production thru $5^{\prime \prime}$ round external speaker. Features tone control slide switch. 7 -Iransistors, 2-diodes, RF stage. 2 watts output. AVC. Shpg. wt., 5 lbs.
17 T 7426
Net 27.95

## CUSTOM TRIM KIT

For 1967 and 1968 Volkswagen 1600
Special kit enables you to mount manual radios for VW cars listed above in the WW 1600. Shpg. wt., $60 z$.
17 T5508

# POPULAR PRICED CAR RADIOS FOR 12 VOLT SYSTEMS UNIVERSAL SOLID STATE AM CAR RADIO <br> <br> SOLID STATE PUSHBUTTON AM/FM <br> <br> SOLID STATE PUSHBUTTON AM/FM <br> <br> CAR RADIO 

 <br> <br> CAR RADIO}


- For 12 Volt Negative Ground Systems
$19^{95}$
- Built-in Speaker
- Removable Face Plate

No Money Down

- Tone Control Switch

Universal Solid State AM radio that is easy to install under the dash. Offers fine sound reproduction. Features built-in speaker and tone control slide switch, 7 transistors, 2 diodes, RF stage, AVC. Removable face plate. For 12 volt negative ground system. Size: $2 \times 43 / 4 \times 61 / 2{ }^{\prime \prime}$. Imported. Shpg. wt. 3 lbs.
17 T 7425
Net 19.95
140 Lafayette Cat. No. 690
Radios Are Available On Easy Pay Plan-No Money Down

## Slim Decorator Styled Underdash Car Radios



## The Ultimate in FM Car Radio Entertainment

## 

With 2 InstantMount Speakers


- For 12 Volt Negative Ground Systems

Enjoy rich, vibrant FM stereophonic programming in your car with this magnificent performing FM stereo radio. Simple to install under the dash with adjustable brackets-only 2 screws are regulied to mount the radio. Features powerful hi.fi audio circuit for true stereo sound reproduction on both channels. Stereo Indicator Lamp illuminates when station is receiving stereophonic sound. Dual channel tone and volume controls. Balance control permirs adjust-
ment of channel separation for perfect sound balance. Illuminated slide rule dial. Specifications: 23 Transistor, 11 Dlodes, Output 5 watts per channel. Sensitivity: $5 \mu \mathrm{v}$. For 12 V negative ground systems. Includes 2 instant-mount speakers in plastic housings. Slie: $9 " W \times 11 / 2^{\prime \prime} H \times 61 / 4 " D$. Shpg. $w t ., 6 \mathrm{lbs}$. Imported.

17 T 7437 \$5 Monthly
Net 95.95

## DELUXE SOLID STATE AM CAR RADIO

- For 6 or 12 Volts Negative or Positive Ground
Superb qualify in a completely self-contained universal AM radio. Features all-transistor circuitry for instant action, continuously varlable tone control, built-in speaker, and slide rule dial for fast accurate tuning. AVC assures stable, fade-free reception of distant stations. Sensitivity: 10 mv ; peak audio out: 2 watts; speaker: $32 / 2^{\prime \prime}$ round; 6 transistors, 2 diodes. Size: $17 \%^{\prime \prime} \times 41 / 2^{\prime \prime} \times 9^{\prime \prime}$. For 6 or 12 volt Negative or Positlve ground. Imported. Shpg. wt., 5 lbs.


## 17 T 7417

net 29.95
SOLID STATE FM CAR RADIO CONVERTER

- Converts Your Existing 12 Volt Negative Ground AM Radio to the FM Band
Complete auto radio entertainment at a minimum cost. All solid state circult ( 6 transistors, 8 diodes) gives instant operation. Built in AFC permits drift-free reception of distant FM stations. AM/FM switch allows Instant selection of AM or FM stations. Simplified installation. Sensitivity: 4 Mv . Size: $17 / 6 \times 4 \times 9$ ". Imported. Shpg. wt., 4 lbs . 17 I $7420 \$ 5$ Monthly



## SOLID STATE MARINE;SHORTWAVE CAR RADIO CONVERTER

- Converts Any 12 Volt Negative Ground AM Car Radio to 1.94-6.34 MHz band Hear marine, shortwave or AM broadcasts at the flick of a switch. Fully transistorized circuitry gives instant-on action, and super. sensitive reception. Built in RF stage permits drift-free reception of distani SW . marine and time signal statione. For 12 volt negatlye ground. Sensitivity: 4 mv . Size: $17 / 8 \times 4$ 9". Imported. Shpg. wt. 4 lbs.
17 T 7419
Net 29.95



## DELUXE SOLID STATE AM/FM CAR RADIO

- For 12 Volt Negative Ground

Complete auto radio entertainment in one compact unit. All solid state circuitry gives superb sound quality on both AM and FM bands. This trim unjt features a continuously variable tone control, FM Multi-plex plug for adaption to FM stereo, and an external $5 \times 7^{-2}$ heavy duty speaker for crisp. clear ione. 11 transistors, 1 thermistor, 8 diodes, RF stage, AVC, and AFC. Dimensions: $17 / 8 \times 4 \times 9$.". For 12 Volt Negative Ground. Imported. Shpg. wt., 6 lbs.
17 T $7418 \$ 5$ Monthly
Net 59.95


[^8]

## DELUXE LAFAYETTE SOLID STATE CAR REVERBERATION SOUND SYSTEM

- For 12 Volt Negative Ground AM and FM Auto Radios-Convenient Under Dash Mounting
Deluxe solid state tuneable reverberation unit converts your present car radio into a magnificent sound system offering concert hall realism. Beautifully styled to enhance the decor of your car. Consists of the tuneable amplifier control unit which easily mounts under the dash panel of your car by means of adjustable brackets. $6 \times 9$ - dynamic speaker and chrome grili for rear seat mounting. and all connecting cables. Includes simple instructions for con necting the revert unit to your regular car radio system and for separate rear seat speaker. Reverteration is an entirely different approach to sound reproduction. Normal sound reproduction from

Electronic Tuning Contral
"Custom Fits" the Sound to your Car, to your Ear. a single source has a fiat, one dimensional effect; with proper sound delay thru "REVEREERATION", tones are created with a truly thira dimension for concert hall originality. The LRE unit teatures complete sound control-simplified controis permit balance of sound between front and rear seat speaker. Vero.A-Tone control adjusts the amount of reverberation to your taste. Specificications for 12 volt negative ground cars, peak audio output - watts, ${ }_{2}$ transistors. Size: $17 \mathrm{~m}_{\mathrm{k}} \times 4 \times 9 \mathrm{~m}$. Shpe. Wt. 5 lbs .

17 T 0108
Net 22.95

## LAFAYETTE TRUNK-MOUNTED AUTOMOBILE REVERB SOUND SYSTEM



- For all 12 -volt Negative Ground AM \&
FM Auto Radios
- Simple-Easy Installation
- Solid State Circuitry

Lafayette trunk-mounted Automobile Reverberation sound system consists of a solid state amplifier chassis with the reverberation unit, under dash control plate with on-off switch, fader control, and interconnecting cables. Includes simple instructions for connecting the reverb unit to your regular under dash auto speaker, and to a separate rear seat speaker (if your auto does not have a rear seat speaker, see Lafayette's complete listing of rear speakers on page 139. Mounts conveniently in the trunk of your car, For all 12-volt negative ground AM or FM auto radios. Dim.: $81 / 2 \times 4 \times 2$. Wt. 3 lbs. 17 Y 0111

## LAFAYETTE SOLID STATE CAR REVERBERATION AMPLIFIER

Recreates Concert Hall Listening In Your Car


- Can Be Used With Any 12 -Volt Negative Ground Car Radio-AM or FM

NOW-listen to the most dramatic sound of music you have ever heard in a car with the Lafayette solid state Automobile Reverberation amplifler. When used with your present 12 -volt negative ground AM or FM car radio, the Lafayette Revert amplifier creates a second set of reflected sound waves reproduced through a rear seat speaker (not included). These reflected sound waves provide this exciting new dimension in sound reproduction, Features a push-pull Fader/ Balance control. Balances regular car radio speaker and reverb speaker. Also controls amount of reverberation-from 0 to maximum. Separate isolation transformer for ultimate matching conditions. for underdash mounting, Dim.: $71 / 2=0 \times 31 / 2 " W \times 13 / 4 \cdots \mathrm{H}$. Includes mounting bracket. Imported. Shpg. wt., 4 lbs. 99 T 8519

Net 11.95

# Improve Your Car Radio And Tape Player Listening Pleasure 

## LAFAYETTE DUAL CHANNEL TUNEABLE SOLID STATE REVERBERATION SOUND SYSTEM FOR STEREO TAPE PLAYERS AND FM STEREO RADIOS

## - Convenient Under Dash Mounting

Exciting concept in a reverberation sound system to greatly enhance car stereo tape and FM stereo radio performance. You can now add a third channel 3-Dimensional re. verberation output to your car stereo tape player or car FM stereo radio. The solid state dual input tuneable reverb amplifier creates this magnificent 3rd dimension in sound by adding a 3rd channel output. This 3 rd channel is electronically delayed (echo effect) thru the reverb amplifier to a separate rear seat speaker-and combined with the regular stereo speaker output provides the ultimate in car sound reproduction. Multiple controls are provided for volume, balance, and amount of reverberation. com. pletely compatible-includes switch which permits use of reverb amplifler with car stereo equipment or car monaural AM and FM Radios. Complete system Includes tuneable dual input reverberation amplifier, $6 x$ $9^{\prime \prime}$ dynamic speaker and chrome grill for rear seat mounting - and all connecting cables. Amplifier mounts easily under dash. For 12 volt negative ground systems. Size: $71 / 4 W \times 15 / 6 H \times 51 / 2^{\prime \prime}$ 。 17 T 0170 Shpg. wt., $51 / 2$ lbs.

Net 29.95
 With 6 " $\times 9^{\circ}$
and All Connecting Cables

Add 3-Dimensional Reverberation Sound to your Car Stereo Tape Player or Car FM Stereo Radio - Reverberation is a thrilling approach to True Concert Hall Listening

- Compatible-can also be used on Monaural Car Radios


# CUSTOM LAFAYETTE HI-FI SPEAKERS FOR THE CAR 

## LAFAYETTE "VARY-MOUNT" SPEAKER FOR CAR RADIOS AND TAPE PLAYERS

Defuxe flush-mounting speaker with beautlful chrome grill. Ideal for use as an auto speaker or anywhere shallow depth is required. Full range speaker has heavy magnet and offers outstanding sound quality. Can also be used as a celling or wall mount speaker in your home. Imp., 80 hms . Overall dia.: 61/4". Imported. Wt., 3 lbs. 99 T 0179


## LAFAYETTE CUSTOM IN-DOOR SET OF 4 SPEAKERS for CAR STEREO TAPE PLAYERS

Ready for quick installation. Improves the sound and performance of any cas tape player. Kit includes: Four $43 / 4$ " extended range 8 -ohm PM speakers; four round custom mount plastic speaker grills; all necessary hook-up wire with solderless connectors; mounting hardware and easy-to-follow instructions. Imported. Shpg. wt., 3 lbs. 99 T 6286

## NEW LAFAYETTE SET OF TWO UNDER-DASH $3 \times 5^{\prime \prime}$ MATCHING SPEAKER SYSTEMS

 Two $-3 \times 5^{\prime \prime}$ wide-range ceramic speakers mounted in plastic housing will mount under dash, under seats, on kick panels, doors, or rear package shelf. Includes all necessary cables and mounting hardware. Imported. Shpg. wt., 3 lbs. 99 T 6299Net 6.95


## NEW DELUXE SET OF TWO REAR DECK MATCHING SPEAKER SYSTEMS

- 5 Watts Peak Handling Power

Set of two powerful 4" speakers mounted in handsome ebony plastic cabinets with silver trim. Specially designed to mount on car's rear deck. Can also be surface mounted anywhere. Provides outstanding sound repro. duction. Includes all necessary cables and mounting hardware. Imported.
99 T 6298 Shpg. wt., 4 lbs.
Net 9.95


## SHARP SOLID STATE FM-AM CAR/PORTABLE RADIO

- Install In Any 6 or 12 Volt Car or Boat System
- Use As A Portable, or On 117 VAC 60 cps With Built-In AC Line Cord

Versatite "multi-purpose" AM/FM 12 Transistor Radio tesigned to provide outstanding reception anywhere. Used as an AM/FM car radio, it locks into its specially designed under-the dash bracket and operates thru the car's electrical system ( 6 or 12 volts pos./ neg. ground), Slips easily out of bracket for use ou doors and plays on 4 "C Batteries (Included). For indoor use, it sperates on regular $117 V A C$ household current with the $A C$ line cord provided. Pushbutton band selector controls. AFC for dilft free FM reception. Ferrite Bar AM antenna, telescoping FM antenna, large $4^{\text {" }}$ speaker, and wood grain finished tront panel. $9 w \times 6 \neq 1 \times 21 / 2 " 0$. Imported'. Shpg. wt., 5 lbs.
17 T $5301 \$ 5$ Monthly
Net 39.95
99 T 6257 Extra "C" batteries ( 4 req.)
Net ea. 14


# Selected Solid-State Portable Car Radios 

DELUXE PANASONIC RF-880 RADAR-MATIC FM/AM/MB PORTABLE CAR RADIO
only 8995
With 4 " $D$ " Batteries
and Earphome

## No Money Down

- Automatic Electronic Tuning
- Use It As A Portable-Install It In Your Car
- 18 Transistors, 13 Diodes
- Full Size 5" Speaker

Amazing 3 band radio features Automatic Electronic Tuning, Just touch and it's tuned. Receives standard AM and FM broadcast bands as well as 1.6 to 4.5 MHz Marine band, 5" dynamic speaker provides outstanding sound reproduction. Powerful 2.5 watt audio output for auto use. Has telescoping FM swivel antenna, ferrite-core AM antenna, tone control, AFC for drift-free FM reception, illuminated slide rule tuning dial, DX-Local switch, and earphone jack. Optional car mounting bracket with lock and 2 keys (for 6 or 12 volt reverse polarity). Size: $10^{\prime} / \mathrm{y}_{4}{ }^{4} \times 71 / 4^{*} \times 31 / \mathrm{s}$ ", Imported. Shpg, wt., 6 lbs, 17 T $3046 \mathrm{~L} \$ 5$ Monthly $\mathbf{N} \mathbf{8 9 . 9 5}$ Model AS. 303 Universal Mounting Bracket with lock for auto use. ( 6 or 12 volts reverse polarity.)
17 T 3047 Shpg. wt., 2 tbs.
Net 14.95 9976256 Extra " $D$ " batteries for above ( 4 req.) .........Net ea. . Net 14.95

"TOM THUMB" SOLID-STATE CAR/PORTABLE AM RADIO


## ONLY <br> $29^{95}$

complete with bracket and locking key

- AM, FM, and 3 SW Bands
- $5 \times 7^{\prime \prime}$ Speaker
- Illuminated Dial


## $99^{95}$

## No Money Down

The ideal versatile set for car, travel and home, Quality features include: 5 wave-bands; FM, AM broadcast, longwave $\mathbf{~} 230.400 \mathrm{kHz}$ international shortwave bands from 16-41 meters and band-spread 49 -meter band; 5 wave-band push-button selector keys; automatic frequency control, combined tuning and battery test meter and illuminated dial. Built-in $5 \times 7$ " h -fi speaker and push-pull audio output up to 4 -watts, provide brilllant sound even in noisy areas. When installed in a car, the radio is automaticaliy connected to the 6 or 12 -volt battery and car antenna with optional bracket. Has built-in telescoplc and ferrite antennas. Operates on 5 " $D$ " batteries (not supplied), car battery or AC with optional AC adapter (see below). $114 / 2 \times 8 \times 33 / 4$. Imported. Shpg. wt., 8 ibs.
17 T $7204 \times 1$ \$6 monthiv
Net 99.95
Car Mounting bracket with lock and key. Permits set to play thru all car batteries, 6 or 12 volt-reverse polarity. Shpg. wt., 4 lbs.
17 Y 7205
Net 21.95
99 T 6256 " $D$ " Type Batteries for above. ( 5 req.) Net ea, 15 AC Power Supply Adapter for Globetraveler If.
17 「7203 Shpg. wt., 1 lb. Net 13.55

## NEW BLAUPUNKT "DERBY" 6 BAND SOLID STATE PORTABLE/CAR RADIO



|  | - AM Bandspread <br> - Standard AM | $\begin{array}{r} 1400-1600 \\ 550-1620 \end{array}$ |  |
| :---: | :---: | :---: | :---: |
|  | - Long Wave | 148.285 | kHz |
|  | - Short Wave 1 | 11.5-15.6 | MHz |
|  | - Short Wave 2 | 5.9-9.8 | MHz |
| No Money | - Standard FM | 87.4-108 | MHz |

Superb performing 6 -band radio operates on 6 " $D$ " batteries, 6 or 12 volt car electrical system with accessory car mounting bracket, or $117 V A C \quad 60 \mathrm{~Hz}$ with accessory adapter. Features battery and tuning indicator, dial Illuminator, AFC on FM, separate base and treble control, push pull audio output stage, heavy duty wide range speaker. Size $93 / /^{\prime \prime} \times 73 / 4^{\prime \prime} \times 31 / 3^{\prime \prime}$. Shpg, wh., $51 / 4$ los, 17 I 1521 L \$5 Monthly

Net 79.95 Universal Cer Mounting Bracket for autos ( 6 or $\mathbf{1 2}$ volt, positive or negative ground). Shpg, wt., 2 lbs.
17 T 1522
17 T 1520117 VAC, 60 Hz AC adapter- 6 oz. $\qquad$ Net 7.95


# Car FM-VHF Police Tuners and Portable Car Radios NEW SOLID STATE CAR FM-VHF LOW AND HIGH BAND POLICE TUNERS 

- Listen to Police Calls, Fire Calls, Mobile Phones
- Connects to Existing 12 volt Neg. Ground AM Car Radio
- Tuneable-No crystals required

Hear police calls, fire calls, and mobile phones on your AM car radio. Deluxe solid-state FM.VHF High and Low Band funers mount under the dash. Tuneable-requires no crystals, no batteries, no special antenna. Connects in minutes to your existing AM auto radio and antenna. 3 models to choose from: Model PC -200 tunes $30-38$ MHZ, or Model PC-201 tunes $37-50 \mathrm{MHz}$ or Model PC-202 tunes 150. 174 MHz . Automatic noise limiter provides exceptionally fine recestion of all signals. Specifications: 8 transistors, 4 diodes. Sensitivity $2 \mu \mathrm{v}$ at 20 db of quieting. Converts FM signal to 870 kHz AM. Smartly styled chrome and rich walnut grain front panel. Compact-onty $61 / 2^{\prime \prime} \times 312^{\prime \prime} \times 112^{2}$. For 12 volt Neg. ground systems. Shpg. wt., 3 lbs . 40 T 3601 Model PC-200-Tunes 30.38 MHz . $\$ 5$ Monthly - Net 39.95 40 T 3602 Model PC-201-Tunes 37.50 MHz $\qquad$ Net 39.95

## 40 T 3603 Model PC-202-Tunes 150 - 174 MHz <br> NEW SHARP SOLID-STATE 3 BAND AM-FM-FM VHF CAR/PORTABLE POLICE RADIO



Three Models To Choose From<br>Modet PC-200: $\mathbf{3 0 - 3 8} \mathrm{MHz}$ Model PC-201: $37-50 \mathrm{MHz}$ Model PC-202: $150-174 \mathrm{MHz}$

Your Choice
$39^{95}$

$49^{95}$

No Money Down

Complete with Car Bracket, Lock and Key, Batteries, AC Line Cord, and Earphone

Deluxe, multi-purpose 3-way solid state radio specially designed for use in car, as a portable. or in the home. Features dramatic FM.VHF High Band ( $150-176 \mathrm{MHz}$ ) reception of police, fire, civil defense, and U.S. Weather Bureau forecasts. Also tunes the standard AM and FM broadcast bands. As a car radio, it locks into its specially designed, under the dash bracket (supplied) and operates thru the car's 6 or 12 -volt electrical system. Outdoors it plays on $4^{\prime \prime} \mathrm{C}$ " size flashlight cells. Indoors it plays on 117 VAC with an AC line cord (supplied). Features: dynamic oval speaker and 2 -watt output for excellent sound quality; precision vernier slide-rule tuning dial; dial light (when operated on car battery); pushbutton tone control: earphone jack and earphone for personal listening; telescoping $F M$ and FM.VHF antenna; ferrite core AM antenna. Dimensions: $71 / 2$ $\times 51 / 6 \times 2 " D$. U.L listed. Imported. Shpr. wt.. 6 ibs.

17 r $5306 \$ 5$ Monthly $\qquad$ Net 49.95 Net 14


Install in any 6 or 12 volt car system, use as a portable or on 117VAC with self-storing AC line cord.

## DELUXE NORDMENDE 15 BAND"GLOBETRAVELER I" ${ }^{\text {AM/FM/SW RADIO }}$

Advanced Space Age Solid-State Circuitry

The deluxe 15 -band Globetraveler 11 AM/FM/SW radio offers a wide variety of features making it adaptable for portable, home, auto, or marine operation. The entire world of radio lisfening pleasure and exclite. ment is at your finger tips. Includes standard AM broadcast band, FM, Marine Band, LW WeatherNavigation Band and 11 shortwave bands. Outstanding features: NEW! Built in AC with compartment for AC cord, NEW! Drum dial for all 11 shortwave bands, and NEW! I. F. Bandwidth switch. $6 \times 9$ " full range speaker. Separate jacks for earphone, external speaker, phonograph, tape recorder, and separate amplifier. A built-in ferrite antenna for AM, a telescopic antenna for FM, and an additional telescopic antenna for SW increases Its sensitivity and selec. tivity. Also includes tuning meter and battery tester, AFC on FM, noise filter on AM and SW. Separate bass and treble controls. 15 transistors and 12 diodes. Wood cabinet covered with scuff-proof black vinyl. $121 / 4-W \times 81 / \mathrm{HH} \times 4$ "D. Imported. Shipg. Wt. 12 lbs. i7 T 7208wx \$9 Monthiy _ Net 179.95
New Nordmende Globetraveller VIP with BFO-all the features and specifications as Globetraveler il plus the added feature of BFO (Beat Frequency Oscil. lator) enabling the listener to tune in on amateur SSB broadcasts and receive code signals and messages clearly. Without BFO these signals are scrambled and unintellegible. Imported. Shpg. wt. 12 Ibs. 17 T 7212Wx $\$ 11.00$ Monthly Net 209.95 Universal 6 or 12 volt car boat mounting Bracket with lock. 4 lbs.
17 T 7209w
Net 22.95
Size "D" Fiashlight Batteries. 5 required.
99 T 6256


For Use As A Portable, Home
Radio, Auto Radio, Boat Radio 1995

|  | TUNING | RANGE |  |  |
| :---: | :---: | :---: | :---: | :---: |
| AM Standord Braodcost | $540 \cdot 1600 \mathrm{kHz}$ | 80 metor band | 3.61 to | 3.84 MHz |
|  |  | 61 meler band | 4.60 to | 4.89. MHz 5.13 MHz |
|  |  | 59 meter band | 4.84 to 5.90 to | 5.13 MHz 6.26 MHz |
| FM Broodcast Band | 88.108 MHz | 49 metor band | 5.90 10 6.96 10 | 6.26 MHz 7.40 MHz |
|  |  | 31 meter band | 9.3510 | 9.90 MHz |
|  | T.5-3.5 MHz | 25 meter band | 11.50 to | 12.16 MHz |
| MB Morine Sond |  | 19 melor band | 14.85 to | 15.70 MHz |
|  |  | 16 meter band | 17.38 to | 18.35 MHz |
|  |  | 13 metor band | 20.95 to | 22.10 MHz |
| LW Weather-Navigation | $145-420 \mathrm{kHz}$ | 11 meter band | 25.15 to | 26.58 MHz |

# Quality Portable and Color Television Sets 



## With Earphone for

Private Listening

- Viewable Picture-Measured Diagonally - 82 Channel UHF/VHF Reception

Handsome, lightweight, "persona!" television for true portability! Big 75 se. In. viewing area ( $12^{\prime \prime}$ diag. measurement). 82-channel reception lets you enjoy all stations, present and future. $110^{\circ}$ aluminized picture tube produces rich blacks and white, and brilliant high-lights. Separate UHF and VHF tuning, plus VHF fine tuning control allows accurate station selection on all channels. Complete with built-in $4^{\prime \prime}$ dynamic oval speaker, VHF telescopic unipole antenna, and a rear mounted UHF LOop antenna. Earphone for private listening. For 117 VAC ., 60 Hz . Imported. UL listed. $133 / 8 \times 133 \mathrm{~K} \times 10 \%$ "D. Shpg. wt., 19y2 lbs.
17 I $5304 w x$ \$5 monthly $\qquad$ Net 77.95

NEW 19 inch* PORTABLE UHF/VHF TV SET



Onty $109 \begin{aligned} & 95 \\ & \text { No }\end{aligned}$ No Money Down

Whth Earphone for Private Listening

- Viewable Picture-Measured Diagonaily - 82 Channel UHF/VHF Reception

Quality portable TV with big 184 sq. in. viewing area. Attractive, slimline cabinet in off-white with black and chrome trim. Nonglare, $114^{\circ}$ aluminized picture tube produces sharp, crisp black and white pictures. 82 channels for full UHF/VHF coverage, Powerful front mounted $61 / 2 \times 2$ " dynamic speaker. Convenient. fold-away carrying handle for easy portabillity. AFC and weyed AGC circuits for maximum stabllity in reception. Includes: VHF dipole and UHF loop antennas and ear. phone for personal listening, Size: 17 Hx $21 \% \mathrm{~W} \times 13 \%{ }^{\prime \prime} \mathrm{D}$. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. U.L. Listed, Imported, Shpg. wt., 34 lbs.
17 $\boldsymbol{1}$ 5307wx $\$ 6$ Monthly
Net 109.25
new deluxe hitachi 12 inch* BATTERY/ELECTRIC IV SET

"in $129^{95}$
No Money Down
with Swivel Base

- Viewable Picture-Measured Diagonalty - 82 Channel UHF /VHF Reception

Smartly styled combination portable and table model with swivel base and hide-away handle. Advanced solid state clicultry for instant action. Features 117 VAC or optional 12 V battery operation, memory tuning, slide rule UHF/VHF tuning dial, and a large 75 sq . in. picture viewing area. Desired black screen for comfortable outdoor viewing. 29. transistors, 24 -diodes, 1-varistor, and power regulated circuitry for detalled, strong black and white reception. Front panel controls include brightness, contrast, and on/offvolume. Includes earphone, Imported. UL listed. Size: $14 \mathrm{~W} \times 10 \mathrm{D} \times 123 / 4 \mathrm{H}$. 17 T 2411 wx Shpg. Wt. 21 lbs. - Net 129.85 Model EMF-5 Rechargeable 12V Battery Pack with 7 ft , DC line cord for car or boat. 17 T2413 Shpg. wt. $4 \mathrm{lbs}, \quad$ Net 29.95

## NEW PANASONIC MODEL CT-21P COMPACT PORTABLE COLOR TV

 - 82 Channel UHF/VHF Reception - Built-in Automatic Degausing

No Money Down

## Elegant, contemporary styled portable color TV in striking midnight

 black with silver trim. A big 75 sq , in. viewing area. Features automatic color saturation control for true color in both strong and fringe receptior areas; instant sound and picture; automatic cotor indicator to tell you when color is being broadcast; automatic degausing for color purity; "Set and Forget" tuning; earphone for private listening, front mounted speaker, 46 semiconductors, 11 tubes. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Size: $131 / 2 \times 18 \% \times 151 / 8 \mathrm{~s}$. Imported, 17 T $3077 \mathrm{WX} \$ 13.50$ Monthly Shpg, wt., 38 lbs................. 279.95 WEW Panasonic Madel CT-63P, Portable color TV set-with same features as above but with large 118 sq . in, viewing area, 57 solid state devices and 11 tubes. Size: $171 / 4 \times 211 / 4 \times 151 / 4^{\circ}$. For 117 VAC, 60 Hz . Imported.17 T 3078wx $\$ 17$ Monthly Shpg. wt., 51 lbs. $\qquad$ Net 329.95

DELUXE HITACHI MODEL CNA-24T 18 inch* UHF/VHF PORTABLE COLOR TV SET


## $349^{95}$

- 18* Picture Measured Diagonally No Money Down
- Built-in Automatic Degausing System
- 82 Channel UHF/VHF Reception
- 27 Solid State Devices, 24 Tubes

Supert, fich and bright color as well as detailed black and white pictures using a rare earth phosphor picture tube. Advanced circuitry provides extremely clear and steady pictures, high sensitivity and excellent reception on all 82 UHF/VHF channels. Features keyed AGC, automatic color control, 3.IF stages, and automatic degausing for continuous color purity. Powerful $6^{\circ} \times 4$ speaker for full-bodied sound. Includes 24 tubes and 27 semiconductors. For 120 VAC, 60 Hz . Size: $25 \% \mathrm{~mW} \times 10 \% \mathrm{aH} \times 191 / 2^{\circ} \mathrm{O}$. Imported. Shpg. wt., 95 lbs . 17 I 2409 wx $\$ 19$ Monthly

Net 349.95

# Personal Portable TV Sets and TV Tables 

NEW! SONY Model TV-72OU PERSONAL
SOLID STATE PORTABLE TV

## Deluxe SONY Model TV-900U COMPACT SOLID STATE PORTABLE TV



## Only <br> $124^{95}$ No Money Down

 with earphone. sun visor, front cover, and builtin battery charger

- 7r Picture Tube Measured Diagonally
- Channel Coverage: UHF 2-13. VHF 14-83

Rich contemporary styling in ebony and gleaming chrome. Operates on 117 V ., $60 \mathrm{~Hz} A C_{\text {; }}$ optional pechargeable 12 volt battery, of, 12 VDC car/boat battery. Blach 7 -inch diagonal screen gives superb contrast. All solid-state circuitry that includes new passivated mesa transistors and a forward AGC system for sensitive reception. Built-in VHF telescoping antenna and front mounted speaker. with earphone, VHF loop antenna, built-in battery chafger. Size $9 \%_{8} H_{x}$ $9 W \times 114^{2} \mathrm{D}$. For $117 V_{\text {, }} 60 \mathrm{~Hz}$ AV. Imported. Shpg. Wt., is ibs. 17 T 3265 wx $\$ 6$ Monthly

Net 109.95
Model BP/7 564. Shoulder rechargeable battery pach. 17 T 3229 shpg. wt., 3 tbs.

Net 22.95
Model DCC-2AW. Car Battery cord. 12 V . Wt., $1 / 2 \mathrm{lb}$. 17 T 3230
Model VCA-14. Car window antenna. Shpg. wt. 1 tb.
Net 14.55 17 Y 3260

Net 22.95

## PANASONIC Model TR315B MINI SOLID STATE BATTERY/ ELECTRIC TV



## UHF Tuning

Net 129.95

## - $8^{*}$ Picture Tube Measured Diagonally

## - Channel Coverage: UHF 2-13. VHF 14-83

Weighs only 10 lbs.! Features $8^{\prime \prime}$ sunglass picture tube (measured diagonally for perfect outdoor and indoor viewing. Revolutionary 25 transistof circultry plus 13 diodes assures sensitive reception even In fringe areas. Operates on all power sources: optional rechargeable 12 volt baftery; 12VOC car/boat battery, of 117 V ., 60 Hz AC. Buitt-in VHF telescoping antenna and front mounted spealer. With earphone, VHF telescoping antenna, built-in battery charger. Size: $10 \mathrm{Hx} 9 \mathrm{Wr} 83 / 4$ "D. Imported.
17 I 3253wx $\$ 7$ Monthly. Shpg. wt.. 12 lbs
Nei 124.55
Model BP/7 564. Shoulder rechargeable battery pack.
1713229 Shpg. wt, 3 lbs.
Net 22.35
Model DCC-2AW. Car battery cord. For $12 \mathrm{~V} /$ neg. ground systems.
1713230 Shpg. wt., $1 / 2$ to.
Model VCA-14. Car window antenna, Shpg. wt., 1 tb.
713260
Net 22.95

## NEW! Deluxe TV TABLES-KITS

COLOR TV TABLE

## Only <br> $27^{95}$

No Money Down

## - For All Size Color TV Sets

Contemporary styling. Designed for all color TV sets as well as B \& W. Olled walnut wood finish. Ball casters. Width $25 y / 2^{\prime \prime}$. depth $16^{\circ \prime \prime}$, height $19^{\prime \prime}$. Easy-to-assemble. Snpg. wt., 15 ibs.

## 17 ப 3soiw

Net 27.55
PORTABLE TV TABLE

Only
$17^{95}$
No Money Down

## - For B \& W Portable TV Sets

In genuine olled wainut. Rigid construction. Easy-to-assemble with full magazine shelf. Overall height $31^{\prime \prime}$, height to shetf $261 / 2^{\prime \prime}$. width $25^{\circ}$. depth $12^{\prime \prime}$. Includes extra wide coated casters for easy mobility. Shpg. wt., 9 lbs.
17 T3902W
Net 17.95

# Our Finest Performing Solid State AM Portable Radios 

NEW! POWERFUL LAFAYETTE SOLID STATE "MINI" AM POCKET RADIO

## ${ }^{\text {Only }} 7^{95}$

 with batteries, carrying case and earphone

CHEviz?

- Operates on Batteries or 117VAC with Optional AC Adapter
- Vernier Slide Rule Tuning Dial

Engineered and constructed with the jewel-like precision of a fine watch, this handsomely styled personal pocket radio uses 8 transistors and 1 thermistor in a sensitive superhetrodyne circult. Provides clean, crisp tone through a large $24^{\sim}{ }^{\sim}$ speaker. Operates on only 1 inexpensive battery or 117VAC with optional AC adapter. Beautifu durable black plastic case with chrome plated trim and silver metal grili. Ferrite core antenna. Inciudes vinyl carrying case, batteries, and earphone for private listening. Size $41 / 2 H \times 21 / 6 W$, and $11 / 4=$. shipping Wt. 2 bs.
17 T016BL $\qquad$ Net 7.95
17 T 0169 L AC Adapter For Above Radio. Wt, 602. $\qquad$ Net 2.95 99 T 6021 Extra 9 volt battery for above radio

UNIQUE, FREE FORM "SPHERE-TOP" EXECUTIVE DESK AM RADIO

## DELUXE SOLID-STATE MICRO RADIO



In gift box with battery, vinyl case, and wrist strap
 95 Was 8.95

- Only $2^{3 / 3}$ L. $\times 23 / 4$ "W $\times 11 / 0^{\prime \prime}$ D.
- Beautiful Black Plastic Case With Chrome Trim
Deluxe micro radio is an ideal gift for any occasion. This remarkable radio has 9 transistors and 1 diode to give you big radio performance in a miniature size. Specially designed high efficiency dynamic speaker mag. nlficently reproduces all of your favorite AM stations. Automatic Volume Control does away with fading. Builtilin Ferrite bar antenna. Black plastic case with die case pol. ished trim. Imported. Shpg. wti, 2 lbs.
ished trim. Imported. Shpg. wi, 2 lbs. 2 Net 7.95
17 T 6934 L
Extra 9 volt battery for above
99 T 6021


## DELUXE LAFAYETTE SOLID STATE BATTERY/ELECTRIC AM RADIO

DELUXE BATTERY/ELECTRIC SOLID-STATE AM RADID


- Operates On 4 "C" Type Batteries Or 117 VAC With Built-In Self-Storing AC Line Cord
- Large 4" Speaker For Magnificent Sound Reproduction
Tremendous performer - carry it with you, or use it at home, Large $4^{\text {* }}$ speaker provides magnificent performance. Handsomely styled black leatherette case with handie. Operates up to 500 hours on 4 "C" batteries (included) or just plug into any 117 VAC with built-in self-storing cord, Ferrite rod antenna and earphone jack for private ilistening. Imported. Size: $9 \times 6 \times 2 \mathrm{~m} \mathrm{e}^{\mathrm{c}}$. Shpg, wt., 7 lbs . 99 T 352 L



## Only -95

- Solid State Circuitry
- Rotating Sphere Contains Big 23/" Speaker And Ferrite Antenna
Amazing design. . . space age styling, Power packed AM radio with super heterodyne circultry for high sensitivity. Operates on 4 in expensive penlite (AA) batteries (included). Black sphere is mounted on Rosewood grain base, size: $61 / 4^{\prime \prime} \times 41 / 4^{\prime \prime} \times 41 / 4^{\prime \prime}$. Imported, Shpg, wt., 3 lbs. 17 T7837i $\qquad$ Net 12.95

with Batteries and earphone
- Features Tuned RF Stage with 3 Gang Condenser

Supersensitive Battery/Electric AM Radio in attractive simulated brown leather case. Features Tuned RF stage for outstanding sensitivity and selectivity. Advanced 10 transistor, 2 diode, and 1 thermistor circuitry. Built-in AC line cord for 110 V operation. Also plays on 4 " "C" batteries. Large $31 / 2$ " speaker, Vernier tuning. Includes earphone for private listening and batteries. Size: $5 \times 9 \times 21 / 2^{\prime \prime}$. Imported, Shpg. wt., 6 lbs.
17「6936
Net 16.95
Extra "C" batteries ( 4 required)
99 T 6257

# Selected Quality Clock and Table Radios 



Fine performing FM/AM radio features rich tonal quality from its large $4^{\prime \prime}$ full range dynamic speaker. Its smart, functional low profile styling will be a pleasing addition to the decor of any home or apartment. Dependable and rellable in solid-state semiconductor circuitry. Precision sliderule tuning. AFC for drlft-ires performance on FM. With FM line cord antenna and built in ferrite core antenna. Handsome high impact antlque white plastic case. Size: $12^{\prime} \times 5 \%_{4} \times 4 \% \%^{\prime \prime}$. Imported. For $110-120$ VAC 60 Hz . Shdg. wt., 4 lbs.
17 T 3080W
Net 24.95


PANASONIC 7487 FM/AM TABLE RAOIO

## Only 5995 with earphone

- 18 Solid State Devices
- Tuned RF Stage for FM
- Matched $6^{1 / 22^{\prime \prime}}$ and $2^{1 / 2 "}$ Dynamic Speakers
Unique walnut wood design. A special panel door opens to permit access to tuning controls. Closed, it's a fine piece of furniture. Features true rich sound with matched $61 / 2^{\prime \prime}$ and $21 / 2^{\prime \prime}$ dynamic speakers. Big $3 W$ output. Continuous tone control. Automatic Fre. quency Control prevents drift on FM. Tuned RF stage for FM, Bulli-In FM and AM antennas for fine receptivity. Easy-to-see color band tuning, simply turn a knob and the FM dial llahts up. Turn
 For 110 VAC 60 cps . Imported. Shog. wt., 11 lbs.
17 T 3044Wx $\$ 5$ Monthly
Net 59.95

Only

## 3495 NEW PANASONIC RCT117 SOLID STATE FM-AM CLOCK RADIO

Simplicity in design is the main feature of this contemporary FM/AM Clock Radio. It will fit gracefully Into any decor. Functionally styled In smart antique white with black and silver trim. Telechron clock wakes you gently to music at a preset time. Press the snooze bar and radio will turn off for few minutes-and then once again turn on to wake you up softly. Large full size clock face with sweep sec. ond hand accuracy. Other outstanding features: sliderule tuning; $\mathbf{3}^{-}$ dynamic speaker with side vented sound; 16 solid-state devices. FM tine Cord antenna, AM ferrite core antenna. Size: $6 K_{s}{ }^{\prime \prime} \times 6 K_{0}$ " $\times 4 K_{s}$ ". Imported. For $110-120 \mathrm{VAC} 60 \mathrm{~Hz}$. Shpg. wi., 4 lbs.
17 T 3082L \$5 Monthly
Net 34.95

## NEW!

## Only <br> $19^{95}$



## SONY GRC-23 SOLID STATE CLOCK RADIO

The modern look in AM clock radios. Large full size clock face fea. tures a sweep second hand. Choice of gently waking up to music or news from the quality solid state AM Radio-or by an alarm (ringer). Plastic simulated wood cabinet; 10 semi-conductor devices. AM frequency range $530 \mathrm{KHz}-1600 \mathrm{KHz}$. Built-in ferrite bar antenna. Dimensions: 5 "Wx4"Ko"Hx4K0"O. Imported. For $110-120$ VAC. 60 Hz 17 T 3266 L Shpg. wt., $21 / 4 \mathrm{ibs}$.


# Selected Quality Solid State Portable Radios 



Complete radio listening enjoyment - glorious stereo FM, static free FM and standard AM. Features advanced solid-state circuitry: 17-transistors, 13-diodes, and 2 -thermistors. 2 -full range $4^{\text {" }}$ elec. tronically balanced speakers, one in each swingout enclosure. Stereo FM Indicator IIght. Continuous Tone control; Pushbutton Band Selector; separate tuning and volume controls. External tele. scopic rod antenna for FM, built-in Ferrite core antenna for AM. 2 .

Only<br>$39^{95}$<br>No Money Down<br>with earphone and batteries



NEW! PANASONIC RF-738 SOLID STATE BATTERY/ELECTRIC FM/AM PORTABLE RADIO
Elegantly styled in luxurious black leatherette with silver trim. Provides supert FM and AM reception indoors or ouldoors bullt-in AC adapter provides complete versatility. Built-in fuli-range dynamic speaker assures strong, full-bodied sound. AFC on FM provides drift-free reception. Slide-rule vernier tuning; 2 -step tone control; volume control; telescopic whip antenna for AM and builtIn Ferrite core antenna for AM. Earphone and external speaker output jacks. Operates on 4 " $A A^{\text {i" }}$ batteries (included) or 117 VAC . Size: $83 / 8 \mathrm{WW} \times 5 \% \mathrm{yH} \times \mathbf{2}^{28}$ /4"O. Imported. Shpg, wt., 4 lbs.
17 T $30831 \$ 5$ Monthly
Net 39.85
99 T 6258 Extra " $M$ ' ${ }^{\prime}$ " Batteries (4-required) $\qquad$ Net ea

## DELUXE NORELCO MODEL 962 4-BAND SOLID STATE PORTABLE RADIO/RECORDER

with blank tape cartridge mike, and carrying case.

- Records and Plays Back FM, AM, LW, SW Radio Broadcasts with "Cassette" Tape Cartridges
 Compatible Radio/Recorder using Phillips type "Cassette" cartridges. Records/Playsback AM, FM, SW, LW programs directly through the radio by pushing a button. Includes mike to make own "live" recordings. Cartridges offer instant operation-no thread. ing. Superb 4 band radio brilliantly receives AM, FM, LW ( 150.255 KC ), SW (5.9-12.1MC). Features AFC for locked in FM tuning, powerful wide-range speaker for outstanding sound reproduction, ferrocepter and telescopic antennas. Operates on 6 " $D$ " type batteries (not included) $131 / 2 \times 51 / 6 \times 9^{\prime \prime}$.
17 T 2902wx Imported. Shpr. wt., 11 tbs.
Net 149.95 99 T 154060 minute blank tape cartridge $1 / 2 \mathrm{lb}$ 99 T 6256 " $D$ " batteries for 962- 6 req.
external speaker outputs. Black leatherette covered cabinet with chrome grille and carrying handle. Operates on 4 " C " batteries (included) or AC with optional adapter. Dim. (closed) $556 \mathrm{WW} \times 5 \frac{1}{2} \mathrm{H} \times$ 37/8 MO. Imported. Shpg. wt., 6 lbs.
17 T2412L $\$ 5$ Monthly Net 54.95
17 T 2407 AC Adapter. Wt., 6 oz. Net 4.95 17 T 24257 AC Extra "C" batteries (4-req.) ___ Net ea. . 14


## with batteries

 E Earphone. external wire antenna- 7 Shortwave Bands for Complete Worldwide Coverage



## NEW! 10-BAND SOLID STATE BATTERY/ELECTRIC AM/FM/MARINE/SHORTWAVE PORTABLE

Deluxe solid state 10 -Band World-Wide Shortwave portable radio. Tunes: MM- 540 to 1600 Hz ; FM - 88 to 108 MHz ; Marine - 1.6 to 4.7 MHz , and 7.Shortwave Bands. SW-1 5.95 to $6.2 \mathrm{MHz}, S W-27.1$ to 7.3 $\mathrm{MHz}^{2}$ sw-3 9.5 to $9.77 \mathrm{MHz}, \mathrm{SW}-411.7$ to $11.975 \mathrm{MHz}, \mathrm{SW}-515.1$ to 15.45 MHz , SW- 617.7 to 17.9 MHz , SW-7 21.45 to 21.75 MHz . Outstanding features: Electronic Bandspread on Shortwave, battery and tuning meter, band indicator, tone control, headphone jack, earphone jack. International Shortwave log and charts. 25 solid-state devices. Operates on 6 " $D$ " batteries, or 117 VAC 60 Hz with self-storing AC line cord. 2 -telescoping antennas. Attractive simulated black leatherthe case with chrome die-cast trim. Size: $123 / 4 \times 47 / 8 \times 10^{\circ}$. With batteries, earphone. Imported. Shpg, wt., 16 tbs. 17 T6937wx $\$ 6$ Monthly

Net 109.95 9976256 Extra "0" batteries ( 6 -required)

## NEW! SONY 3F-77

 SOLID STATE FM/AM POCKET RADIO$$
24^{95}
$$

Powerful FM-AM mini radio with precision vertical slide rule tuning dial. Features 9 -transistors, 5 -diodes, 1-thermistor, FM telescoping antenna. Smartly styled black case with sliver trim. With earphone and
 ported, shpg. wt., 2 lbs .
17 T3267L $\qquad$ Net 24.95 Extra " $A A^{\text {" }}$ Batteries (3-required). 99 T 6238 __ Net ea. . 10


# Deluxe LAFAYETTE "STARFIRE VI" 18 Transistor AM/FM/SW/FM VHF Radio Puts The Wordd At Your Fingertips! 

## TUNES:

- FM VHF POLICE AND FIRE BROADCASTS
- LOW BAND MARINE WEATHER
- WORLD-WIDE SHORTWAVE
- STANDARD AM AND FM
- NEW 162.55 MHz REGIONAL WEATHER BUREAU FORECASTS*
 with Batteries and earphone NO MONEY DOWN
- Operates on 4 "D" Type Batteries ur 117 VAC with Optional AC Adapter
- Two 4" Wide Range Hi Fi Speakers for Magnificent Sound Reproduction

Deluxe Stariire VI speaks all the languages of the world. Powerful 18 Transistor and 7 diode solid state circuitry provides extremely high sensitivity. Two $4^{\prime \prime}$ wide range Hi Fi speakers offer magnificent sound reproduction. Cover has worldwide shortwave time zone chart. Booklet with listings of shortwave stations throughout the world included. Monitor police radio calls on the $147-176 \mathrm{MHz}$ VHF band-other outstanding features: AFC to eliminate drift on FM, eight ivory pushbutton controls, tone control, pushbutton pilot lamp to illuminate dial at night, luxurious genuine black leather cabinet with die cast front, and earphone jack. telescoping antenna for FM, SW, and VHF reception. Supplied with earphone and 4 " $D$ " type batteries. $12 \times 91 / 2 \mathrm{H} \times 41 / 2 \mathrm{D}$. Imported. Shpg. Wt., 18 Ibs.
99 T $3526 \mathrm{WX} \$ 5$ monthly Net 79.95 Extra "D" Batteries. 4 required. 99 ( 6256 ......................... ea. . 15
AC Adapter for Star-Fire VI, 1/2 oz. 99 T 3541 .............................. 4.95

- Consult your local weather bureau concerning reception in your area.



## TUNE IN ON



## [a] Lafayette battery/Electric 15 transistior 3 bano amifm/SW portable

Operates on 4 "C" Batteries or 117 V AC with/Self Storing AC Line Cord Slide Rule Dial for Precision Tuning

Superb 3 band portable tunes the standard AM broadcast band ( 540.1600 kHz ), FM Band ( $88-108 \mathrm{MHz}$ ) and the $4-12 \dot{\mathrm{MC}}$ International Shortwave Band, for exciting world wide listening pleasure. Provides magnificent tone from large $31 / 2^{\prime \prime \prime}$ speakerjpowered byls sitransistors and 5 diodes. Built-in AFC circuitry to prevent drift on FM. Features high/low tone control switch, slide rule dial for precision tuning. Built-In ferrite antenna for AM reception, telescopic antenna for FM and SW. Texon leatherette finished case in black, with handle and chrome trim. With batteries and earphone for private listening. For 117 V AC 60 Hz or operates on $4^{\prime \prime} \mathrm{C}$ " batteries. Size: $11^{\prime \prime} \mathrm{W} \times 7$ " $\mathrm{H} \times 31 / 4^{\prime \prime} \mathrm{D}$. Imported. Shpg. wt., 8 lbs 99 T 3527 L

Net 29.95
99 T 6257 Extra C Batteries-4 req.
Net . 14


152 Lafayette CaK No. 890


## (B) OELUXE LAFAYETIE "MINI" FM-AM PORTABLE

## - Superbly Styled Die Cast Front

- Slide Rule Dial with Logging Scale for Precise Tuning
Supersensitive, power-packed beauty pro vides sparkling performance on both FM and
 Advanced solid state superheterodyne circuit gives you real pulling power of stations both near and far. Built-in AFC circuitry to prevent drift on FM. Features slidelruleldial and log. ping scale for precise tuning. Large 21/a: dynamic speaker reproduces voice and music with fine tonal balance. Ferrite rod antenna for AM, telescoping antenna for FM. Superbly styled and constructed die cast front. Pow ered by single 9 -volt battery. Includes earphone for private listening, battery, and handy carrying strap. Imported. Shpg. wt., 3 lbs.
99 T 3524 L
Net 16.95
Extra 9 volt battery for above
99 T 6021
Net .21
(C) LAFAYETTE STAR-FIRE © II $30 L I O$ STATE FM-AM PORTABLE RAOIO WITH BUILT-IN TELEPHONE AMPLIFIER

Large 4" Speaker Offers Life-Like Hi-Fi Sound Reproduction

- AFC Lock Prevents Drift on FM
- I RF and 3 IF Stages for extremely High Sensitivity

Take advantage of this exciting new concept in radio design . . . be the proud owner of a superb performing FM.AM portable radio that can also be used as a telephone amplifier with any telephone pick-up. Operates on 4 "C" type batteries or use in the home with eccnomical optional accessory AC adapter which connects to $110-120$ volt house line. Features I RF and 3 IF stages for extremely high sensitivity and selectivity. AFC circult makesudrift on FM virtually non-existant. Built-in carrying handle is recessed to hold 33" telescoping antenna. Bullt-in ferrite antenาa for AM. Luxurious break-resistant black plastic case with chrome trim. Complete with earphone for private listening, batteries, telephone amplifier jack. Imported. Shps. wt., $31 / 2 \mathrm{lbs}$
9913551 L Net 22.95 Tele phone Pick-up with plug, wi. $40 z$ 9913532 .................................Net Plue-in 117 VAC Adapter. Shpg. wt., 6 oz. 99 I 3516 …….............................. Net 3.95 Extrs "C" Batteries (4 required)
99 T 6257
Net ea. . 14


# BECOME AN INFORMED CIIIZEN IN YOUR COMMUNITY WITH LAFAYETTE FM VHF PUBLIC SERVICE POLICE RADIOS 

- Listen To Police and Fire Calls - Monitor Civil Defense and Public Services - Receive Regional U.S. Weather Bureau Forecasts*
-High-band Radlo Receives Newly Established Regional Weather Bureau Forecasts On 162.55 MHz and 163.275 MHz
"GUARDIAN 300 SERIES"-3-BAND SOLID STATE BATTERY/ELECTRIC
HIGH or LOW FM VHF POLICE AND AM-FM PORTABLE RADIOS


Features Self-Storing AC Line Cord

## 2 Models

HIGH BAND

| FM VHF- | 147.174 MHz |
| :--- | :--- |
| AM- | 540.1600 kHz |
| FM- | 88.108 MHz |

LOW BAND
$\begin{array}{ll}\text { AM- } & 540.1600 \mathrm{kHz} \\ \text { FM- } & 88.108 \mathrm{MHz}\end{array}$
FM VHF -30.50 MHz
AM- $\quad 540.1600 \mathrm{kHz}$
FM- $\quad 88.108 \mathrm{MHz}$

Your

## LAFAYETTE <br> EXCLUSIVE



HIGH BAND FM VHF POLICE AND AM-FM RADIO

- Powerful 20 Semiconductor Circuitry - Large 3½" Speaker For Excellent Tone - Slide Rule Dial For Precise Tuning

Monitor the heart-beat of your city with the exclusive Guardian 300. Listen to Police and fire calls... ANYWHERE-ANYPLACE. Deluxe 3 -band radio operates on 4 " C " batteries or 117 VAC 60 Hz by means of a self-storing AC line cord. Powerful space age solid-state circuitry with 12 transistors, 6 diodes, and 2 thermistors. Variable 6 -gang capacitor tuning for extremely high sensitivity and selectivity enables you to pull in even the weakest stations. Complete coverage Includes high-band FM-VHF $147-174 \mathrm{MHz}$ and standard AM and FM broadcast bands. Also features slide rule dial for precise tuning, ferrite rod antenna for AM, telescoping antenna for FM-VHF and FM bands, and an external antenna input jack. Beautiful, padded black leatherette case with silver trim. Includes batteries, earphone, and
 Shpg. wt., 6 lbs.
99 I 3546L $\$ 5$ Monthly
Net 34.95

## "LOW BAND" FM VHF POLICE AND AM-FM RADIO

Same deluxe features and specifications as above but tunes Low Band FM.VHF 30.50 MHz instead of High Band. Imported. Wt., 6 lbs, 99 T 3547L $\$ 5$ Monthly Net 34.95 99 T 6257 Extra "C'" bat. for above radios -4 req. ___ Net ea. . 14
"GUARDIAN II"-2• BAND SOLID STATE LOW OR HIGH FM VHF POLICE AND AM RADIOS


2 Models

| HIGH BAND | LOW BAND |
| :---: | :---: |
| FM VHF- 147.174 MHz | FM VHF- 30.50 MHz |
| AM- $\quad 540.1600 \mathrm{kHz}$ | AM- $\quad 540.1600 \mathrm{kHz}$ |
| $2195 \begin{aligned} & \text { with earphone } \\ & \text { and batteries }\end{aligned}$ | $2195 \begin{gathered}\text { with earphone } \\ \text { and batteries }\end{gathered}$ |

## HIGH BAND FM VHF POLICE AND AM RADIO

- 147.174 MHz FM Police Band • 540.1600 kHz AM Band - Slide Rule Logging Scale for Precise Tuning

Listen to the drama of everyday life with this exciting radio. Monitor local and state police, as well as fire departments, 162.55 MHz and 163.275 MHz, U.S. Weather Bureau stations*, civil defense, and emergency public services. Includes standard AM band. Loaded with these outstanding features: 2 RF stages, 4 If stages, slide rule logging scale for precise tuning, ferrite rod AM antenna, telescoping VHF antenna, large $3^{*}$ speaker for superb fidelity. Handsome black case with slivertrim. Earphone jack for private IIstening. Operates on 4 "AA" type batteries (included) or 117 VAC with optional AC adapter. 11 transistors, 4 diodes, 1 thermistor. $7 \mathrm{~W} \times 41 / 8 \mathrm{H} \times 21 / 5,{ }^{\circ} 0$. 99 T 3522 L Imported. Shpg. wt., 4 lbs.

Net 21.95 *Consult your local weather bureau concerning reception in your area.
"LOW BAND" FM VHF POLICE AND AM RADIO

- 30.50 MHz FM Police Band • $540-1600 \mathrm{kHz}$ AM Band

Same deluxe features and specifications as above Police radio but tunes low band $30-50 \mathrm{MHz}$ instead of High Band. Imported.
99 T 3534 Lhpg. wt., 4 lbs. 21.95 ACCESSORIES for gUARDIAN POLICE RADIOS

| Stock N0. | Description | Shpg. Wt. | Net Ea. |
| :--- | :--- | :---: | ---: |
| 99 T 3536 | 117 VAC Adapter. | 1002. | 3.95 |
| 99 T 6258 | Extra "'AA" Batteries (4 required) | 102. | .10 |

## VHF Police and Aircraft Multiband Portable Radios

## DELUXE LAFAYETTE 18 TRANSISTOR 4 BAND TWIN SPEAKER:AM-FM-POLICE-AIRCRAFT BATTERY/ELECTRIC RADIO



- Listen to Police and Fire Calls on the 147-174 MHz FM-VHF High Band

- Listen to Aírplanes in Flight Communicate With Control Towers on the $\mathbf{1 0 8 - 1 3 6 ~ M H z ~ A M - V H F ~}$ Aircraft Band


## Only <br>  <br> with earphone and batteries

- Also Tunes The Standard AM-FM Bands
- Twin 3" Speakers For Outstanding Tonal Quality
- Precision Slide Rule Tuning Dial
- Continuous Tone Control
- Rotary Telescoping Antenna For Police, Aircraft and FM Band

Hours of exciting and informative listening pleasure is yours with this powerful 23 semiconductor, 4 band, battery/electric portable radio. Listen to dramatic police-fire calls, U.S. Weathen Bureau reports, on the FM-VHF high band (147-174 MH2). Tune in on pilots In flight awaiting instructions from the control tower, on the fascinating $A M-V H F$ aircraft band ( $108 \cdot 136 \mathrm{MHz}$ ). Enjoy beautiful music on the standard FM band (88-108 MHz ). Keep , nformed of the latest news and sports resu ts on the standard AM band ( $54-1600 \mathrm{kHz}$ ). Provides brilliant reception
with two large $3^{\prime \prime}$ dynamic speakers. Selfstoring AC line cord enables you to play on 117 VAC. Also operates on 4 "C" cell batteries. 4 individual controls, tuning, Band selector, Tone, On/Off plus AC-Battery switch. Earphone for private IIstening. Rotary, telescoping antenna fol FM, Police, and Aircraft. Built-in ferrite bar antenna for AM. Beautiful vinyl padded black case with chrome trim. Complete with earphone and batteries. Size: $111 / 9 \times 71 / 6 \times 31 / z^{\prime \prime}$. Imported. 99 T 3550 w - Shpg. wt., 6 lbs .- Net 44.95 99 T 6257 Extra " $C$ ' 'batteries 4 req. Net 14

## LAFAYETTE "AIR MASTER" 10 TRANSISTOR AM ANO VHF AIRCRAFT PORTABLE RADIO



with batteries, earphone, carryin

- 108-136MHz VHF AM Aircrat Band
- $540-1600 \mathrm{kHz}$ AM Band
- Slide Rule Logging Scale for Precise Tuning
- Large 3" Speaker

LIsten to the exciting frequencies of alrcraft communications in your home, car, or office on the 108-136MC aircraft band. Monitor aviation control tower transmissions, listen to planes in fi ght, get their landing patterns and weather reports. You are actually with the pilot as he receives instructions for take-offs and landiegs. Also includes AM band. Features large $3^{-}$speaker, slide rule ial with logging scale, ferrite rod AM antenna, telescoping VHF antenna. Operates on 4 "AA" batteries (included) or on 117 V AC with optional $A C$ adapter. Earphone for private listening. 10 transistors, a diodes, 1 thermistor. Size: 7 "W $\times 41 / \mathrm{e}^{*} \mathrm{H} \times 21 / 9{ }^{\prime \prime}$ D. Imported. Shpg. wit. 4 lbs. 99 T 3523L

Het 19.95
99 T 3536 AC Adapter for above. Wt. 6 oz. $\qquad$ llet 3.95 99 T 625 Extra "AA" batteries (4 required) $\qquad$ Net 32
Radios Are Available On Easy Pay Plan

NOVA-TECH "ACTION II" 5 BAND SOLID STATE AM-FM VHF POLICE MARINE RADIO WITH RADIO DIRECTION FINDER


## Police: $30-50 \mathrm{MHz}$ Marine: $1.5-4.5 \mathrm{MHz}$

Police: 150.175 MHz Beacon: $200-400 \mathrm{kHz} \mathrm{AM}: 550-1600 \mathrm{kHz}$
Deluxe 5 Band Portable Receiver with Radio Direction Finder. Tunes In FM police frequencles (both high and low band). Also covers entire regular marine band, new VHF marine band, scecial weather broadcasts (up to 200 mile radius around reportins station), navigation beacons, shortwave, 75 meter "ham" band, and your favorite AM music, news and sports programs. Features squelch control, three telescoping antennas, rotating loop antenna, $180^{\circ}$ left-right bearing scale, null meter, DF level control, calibrated optical sights on rotating antennas for taking visual bearings, fushbutton dial light, earphone jack, 117VAC adapter cord which plugs into house current. Sensitive 14 -transistor circult for superb sensitivity and selectivity. Includes instruction manual with Morse code zuide. Dim. $91 / 2 \times 51 / 2 x$ 21/2". Imported. Shpg. wt., 6 lbs.
40 T 3802WX $\$ 7$ Monthly
Net 129.95
99 T 6258 Extra " $A A^{\prime \prime}$ batterles (4 required) ................. Net ea. . 10

## Decorate Your Home with an Elegantly Styled Table Radio



## LAFAYETTE SOLID STATE TWIN-SPEAKER FM-AM TABLE RADIO

- Beautiful Oiled Walnut Wood Cabinet
- Twin 4" Full-Range Speakers - AFC for Drift-Free FM

Superb Lafayette twin-speaker FM-AM table radio offers magnificent performance and handsome styling. Two large $4^{*}$ speakers provide room filling high-fldelity sound with exceptional clarity. Powerful 16 -semiconductor circult has output of 1 watt - provides instant-on operation. No warm-up time. Automatic Frequency Control (AFC) lock prevents drift on FM. Has big slide rule dial for precision tuning. Four controls: Selector (AM-FM-FM/AFC), On/Off Volume, Tone, and Tuning. Oilled walnut veneer wood cabinet and rich grill cloth. Size: $6 \% \times 141 / 8 \times 4 / /^{\prime \prime}$. For $105-120 \mathrm{~V}$ AC. $50 / 60 \mathrm{~Hz}$ or $105 \cdot 120 \mathrm{~V} \mathrm{OC}$. Imported. Shpg. wt., 7 lbs .
17 T 0110W $\$ 5$ monthly ............ 34.95

## LAFAYETTE SOLID STATE AM TABLE RADIO

- Instant-On Operation - No Warm-Up Time
- Precision Slide Rule Dial with Logging Scale
- Large 4" Dynamic Speaker Handsomely styled solid state AM radio with attractive, sculptured speaker grill and powerful superheterodyne circuit. Large $4^{" \prime}$ speak. er provides fine tonal quality. Built-in ferrite core antenna. High impact, black plastic cabinet with off-white and silver color trim. Size: $101 / 2 \mathrm{~L} \times 57 / 2 \mathrm{H} \times 31 / 2^{\prime \prime} \mathrm{D}$. For $105-120$ VAC, 60 Hz . Imported. Shps. Wt., $31 / 2 \mathrm{lbs}$. 99 T 3548 W

NEW DECORATOR STYLED SOLID STATE FM-AM TABLE RADIO


## - 4 FM IF Stages, 3 AM IF Stages

- Large $4^{\prime \prime}$ Wide Range Speaker
- AFC For Drift-Free FM

Distinctive, full fidelity FM-AM table radio styled in rich, oiled walnut wood finish. Reliable, solid state circuitry provides instant-on operation. 4 FM IF-stages and 3 AM If stages provide extremely high sensitivity and selectivity enabling you to pull in even the weakest of stations. Outstanding features are separate controls for volume, tone, tuning, and FM-AM-AFC. High performance $4^{\prime \prime}$ widerange speaker provides excelient tone. Precision slide rule tuning dial. Fine reception is assured through the bulit-in AM ferrite core antenna and the FM power line cord antenna. Attractive, charcoal brown grill cloth with black trim and silver color controls. UL listed. Dimensions: $6 \times 8 \times 15^{\prime \prime}$. For $110 \mathrm{VAC}, 60 \mathrm{~Hz}$. Imported. 17 T 783 BW Shpg. wt., 5 lbs.

## - Powerful 9 Transistor Performance <br> - Big 3" Dynamic Speaker

Now everyone can enjoy quality FM as well as AM radio broadcasts with this fine 2 -band table radio at Lafayette's sensational low price. Compact, space saving wood cabinet is ideal for a night table or bookshelf. Space-age solid state superheterodyne circultry features 9.transistors and instant-on operation. Large, easy-to-tune cylindrical dial. Built-in AFC circuitry prevents drift on FM. Big $3^{\circ \prime}$ dynamic speaker. Push-pull OTL audio output stage. Sensitive, built-in ferrite core AM antenna and FM power line cord antenna. Wood cabinet with teak finish. Size: $61 / 2 \times 61 / 2 \times 21 / 2^{\prime \prime}$. For $110 \mathrm{VAC}, 60 \mathrm{~Hz}$. Imported. 17 T 7839 Shpg. wt., 3 lbs.

Exciting-Versatile LAFAYETTE


LaFAYETTE SOLID STATE
AM RADIO AND HIGH INTENSITY LAMP WITH PEN HOLDER

- Fully Adjustable Lamp With Hi-Lo Switch
- Powerful Solid State AM Radio - Low Profile Cabinet

Sensational concept-use for enjoyment and convenience. Contemporary styled solid state AM radio comblned with a high intensity lamp and pen-holder serves many uses. Powerful solid state AM radio is encased in a low profile, high impact plastic cabinet finished in black and walnut grain. Large $2^{\prime \prime}$
speaker. built-in loopstich antenna. High speaker, built-in loopstich antenna. High bulb), and has a $12^{\prime \prime}$ chrome finlshed adjust. able stem, With bulb, for 110 VAC 60 Hz . Dim.: $41 / 4 \times 6 \times 2^{\prime \prime}$. Imported. Shpg. wt., $21 / 2$ lbs. 99 T 9201 Net 9.95

Clock and Lamp Radios!


DELUXE LAFAYETTE " 3 -in-1" SOLID STATE FM/AM CLOCM RADIO-LAMP

- It's a Deluxe AM/FM Radio
- It's a Full Feature Telechron Clock
- It's a 3 Position

One of the most dramatic solid-state radios we have ever offered. Martel of space-age elec. tronic design. You'll be amazed at all the features. Ideal for home or office use, Outstanding performing $A M / F M$ clock radio features: large $31 / 2$ " dynamic speaker powered by 15 semi conductors, built-in AFC lock to prevent drift on FM, slide rule dial for precision tuning. Full Feature Telechron clock with sleep switch permits you to wake up to beautiful music at a preset time. The high intensity lamp is adjustable to three intensities, and the arm adjusts to any angle, Lamp comes complete with $\# 93$ bulb. Elegantly styled Beige plastic base with




- 17 Solid State Devices
- Full Feature Telechron Clock with Snooze Button and Lighted Dial We took our most powerful 17 semi-conductor FM/AM radio.. matched it to a wide-range hi-fi type two-speaker system with bulit-in crossover network... and added a fully automatic full feature telechron clock... RESULTING IN — A Deluxe Performing Radio that lulis you to sleep at night and awakens you at a pre-set time with vibrant, rich FM/AM sound. Wish to catch an extra few winks of sleep? Just press the snooze button and the radio will turn off aulomaticaliy for 10 minutes. Also includes an automatic pre-set alarm. Powerful solid state circuitry pulls in weak and
- Two Rich Sounding Speakers with Full Range Tone Control - AFC Lock Prevents Drift On FM
distant FM/AM stations. AFC control prevents drift on FM. Specifications: 2 speakers $-6 \times 4^{* \prime}$ oval and $21 / 2^{\prime \prime}$ round; 4 controls: Volume; Selector (AM, FM, AFC); Tone; and Tuning. Fully automatic clock features: 60 minute sleep switch, and 10 minute snooze button, automatic alarm. Circultry: 10 transistors, 7 diodes. Also has precision slide rule dial. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Size: $11 \times 63 / 4 \times 31 / 2^{\prime \prime}$. Imported. Shpg. wt., 6 lbs.

17 T 0165w $\$ 5$ Monthly
Net 47.50

## LAFAYETTE LOW PROFILE FULL FEATURE AM/FM CLOCK RADIO



- 60 Minute Sleep Switch
- Slide Rule Dial For Precise Tuning

Quality FM.AM clock radio for your home. Combines a fully automatic full feature Telechron clock and a superb FM/AM radio in a handsomely low profile styled walnut grained plastic cabinet with black and silver trim. Handy sleep-switch permits you to slowly drift-off to dreamland while the radio automatically shuts itself off (up to 60 minutes). Beautiful FM or AM music awakens you at a preset time pleasantly. Even includes a snooze button so that the set can again be turned off to permit you an extra 10 minutes of

- 10 Minute Snooze Button
- Large $31 / 2^{\prime \prime}$ Wide Range Speaker
sleep. Clock face has luminous hand and dial markers. FM-AM radio features a slide rule dial for precise tuning, and a large $31 / 2^{\prime \prime}$ wide range speaker for luxurious tonal quality. All solid state circuitry with 10 transistors, 4 diodes, and 1 thermistor provides high sensitivity and selectivity. Size: $91 / 2 \times 51 / 6 \times 31 / \mathbf{a}^{\prime \prime}$. For $117 \mathrm{VAC}, 60 \mathrm{CPS}$. Imported. Shpg. wt., 4 lbs.
17 T 0164w


## NEW! LAFAYETTE AM CLOCK RADIO



## OUTSTANDING LOW. LOW PRICE <br> $14^{95}$

- Telechron Clock Movement
- 8 Solid State Devices

Our lowest price ever for a quality AM solidstate clock radio. Attractively styled-perfect for the kitchen, den, or bedroom. Features an 8 -semiconductor circuit for staticfree, clear AM recepetion. Keliable Telechron clock movement wakes you gently to music or news at a preset time. Large $23 / /^{\prime \prime}$ speaker provides fine tonal quality. Beautiful white plastic fillish. Size $71 / \mathrm{c}^{\prime \prime} \mathrm{H} \times 61 / \mathrm{s}^{\prime \prime} \mathrm{W}$ $\times 27 / \mathrm{s}=0$. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Imported. Shpg. wt. 3 lbs. 1710171 Net 14.95

## 9-PC. "COMBO" DRUM OUTFIT

- 6-Ply Construction Thru-Out
- Double Lug-Separate Tension Rods
- With 14" Cymbal-Cow Bell-Toneblock-Sticks-Brushes
- Double Spring "Fast-Action" Bass Drum Pedal A quality 9 piece drum outtit for the beginner or advanced musician. Outfit contains an $8^{\prime \prime} \times 12^{\prime \prime}$ Tom Tom, a $14^{\prime \prime} \times 20^{\prime \prime}$ bass drum, both with double lug separate tension rods, and a $5 \frac{1}{2 \prime \prime} \times 14^{\prime \prime}$ separate tension snare drum. Bass drum reatures a fully adjustable "fast" action pedal and chrome plated cow bell. All drums have plastic heads. feature triple flanged rims and chrome plated hardware. Other Items include a $14^{*}$ cymbal with fully adjustable cymbal holder that will adjust to any height or angle, disappearing spurs, sticks, and stick holder, a flat base snare drum stand, and a universal adjustable rail mount consolette for "ride" of Tom Tom, Bright finish. Imported. Shpg. wt., 50 lbs.

13 T 2450wx $\$ 5$ Monthly 3-piece vinyl drum cover case. 13 T 6624 W Shpg. wt., 7 lbs.

Net 99.95 Net 21.95


- Solid 6-Ply Construction Thru-Out
- Double Lug-Double Tension

Deluxe, professional quality drum outfit with all the most wanted accessories. Meets the demand for quality and sound in every way. Each drum has completely adjustable tension rods for quick and easy tuning. Set consists of $14^{\prime \prime} \times 20^{\prime \prime}$ Bass Drum with 8 -separate beavertali tension lugs, spurs, cymbal holder, consolette tom tom mount, internal muffler and inlaid chromed hoops. $51 / 2^{\prime \prime}$ $\times 14^{\prime \prime}$ Snare Drum-8-tension, speedy throw-olf, and internal muffler, $16^{\prime \prime} \times 16^{\prime \prime}$ Floor Tom Tom8 -tension with internal muffier. One $8^{\prime \prime} \times 12^{\prime \prime}$ and one $9^{\prime \prime} \times 13^{\prime \prime}$ Tom Tom-6-tension with muffier. Drums have coated plastic heads, celluoid covered for bright finish. Includes deluxe, flat-base snare stand, floor cymbal stand, and a super deluxe, direct-action Hi-Hat stand with fast action pedal. Set also contains a $16^{\prime \prime}$ Ride Cymbal, a pair of $14^{\text {" }}$ Hi-Hat Cymbals, and deluxe bass drum pedal, drum sticks and brushes, cowbell, woodblock and holder. Imported. Shpg. wt., 85 lbs.
13 T 6625 wx Bright Red $\$ 10$ Monthly. Net 199.95 13 T 6626 wxBright Blue $\$ 10$ Monthiy. Net 199.95 5 -Piece vinyl Drum Cover Case 13 T 6627 W Shpg. wt., 10 tbs

Net 34.95

## ROCKET TYPE DRUM THRONE




## (D)"ULTRA-SLIM" 2 PICK-UP HOLLOW BODY ELECTRIC GUITAR

- "Hi-Response" True Vibrato Tailplece
- Steel Reinforced, Adjustable Neck
- Adjustable Bridge-Adjustable Pick-Ups Handsomely styled double cut-away electric gultar with dual pickups for solo or myythm work Narrow celluloid bound high.speed adjustable neck is steel reinforced for oxtra strength and features a 21 fret rosewood finger. board with white inlaid position markers. Also has sturdy
tremolo tailpolece, laminated arched top and back, remole and tone controls plus 3 -position selector switch for cholce of pickup. Individual precision machine heads. Hand-rubbed shaded red finish. $16 \mathrm{~W} \times 411 / 4 \mathrm{H} \times 13 / 4{ }^{4} \mathrm{D}$. Imported. Wt. 14 lbs.

Net 49.95
$13 \mathrm{~T} 6618 \mathrm{wx} \$ 5$ Monthly
Sturdy Case For Above Guitar. Shpg. wt., 4 Ibs. Sturdy Case For Above Guitar. Shpg. wt., 4 lbs. . . .
13 I 6 get 8.95
(E) DOUBLE PICKUP VIOLIN SHAPE HOLLOW BODY ELECTRIC GUITAR

- Fully Adjustable, Steel Reinforced Neck
- Adjustable Magnetic Pickups
"Custom" styling, and professional quality-o-precls sion machine heads, separate volume and tone controls, plus
individual string adjustment pickup posts. toggle switch selects dual or single pickup. Celluloidbound, yellow sunburst body has pickguard, and unique F-holes. White cellulold-bound, oval ingerboard has nickel-silver rets, and 7 -iniald pearl posilition markers. Also has fully adjustable neck, tremolo, compensating bridge, plckup and control mounts. All metal parts are
chrome plated, and highly polished. Body Size: $12 " W x$ $183 / 4{ }^{\circ} \mathrm{L} \times 2^{\prime \prime} \mathrm{D}$. Full length: $40^{\prime \prime}$. Shpg. wt., 12 ibs. 13 T 8754 wx $\$ 5$ Monthly ___ Net 59.95 Study Case for Above.
(F)DELUXE 2 PICK.UP "SLIMLINE"

HOLLOW BODY ELECTRIC GUITAR

- "Laminated"-Steel Reinforced Adjustable Neck - Individual Volume and Tone Controls
- Custom Designed Tremolo Tailpiece

Custom crafted, professlonal quality instrument! Feacures a 21 fret, oval rosewood fingerboard with mother-of-peart inlaid pos.tion blocks, plus side position markers and triple bound edges. has two ultra-sensitive, hum.free plek-ups with individual pole adjustments, heipht adiustments. and individual volume and tone conBric 3.mpitinn linver switch selects drigRe pickup for use of both pickups slmultaneousty. Large handsome cellulold bound body is shaped and contoured for optimum sound response. Beautifully flamed high.gloss poiyestic finlsh. $16 \mathrm{~W} \times 44 \mathrm{H} \times 2^{\prime \prime} \mathrm{D}$. Imported. Shpg. Wt., 16 lbs.
13 T6602wX \$5 Monthly
Sturdy Case with Plush Lining for Above
Net 79.95
13 T 6603 WX Shpg. wt., 4 lbs .
Net 10.95



## - Everything You Need Including A Beginners Record Course and Book

Nicely finished with open headpiece and pinless bridge, Can be used either as nylon string classic or steel string Folk guitar. Steel reinforced neck. Guitar has hardwood body with Blonde top. Highly polished finish with design around sound hole. Comes complete with Nylon and extra set of steel strings, Vinyl zippered carrying bag, neck cord, pick, instruction book and record course. Imported. Shpg. wt., 9 lbs. 13 T6612WX

Net 19.95

## [8] CONCERT SIZE CLASSIC GUITAR

## - Steel Reinforced Neck

- Fan Braced Top

Magnificent sounding classic guitar! It's graceful, allecro tonal quality is pure and brilliant. 19 fret fingerboard allows optimum fingering. Sound hole features a mosaic decoration. Has fixed Spanish style bridge, 6-precision tuning machines with plastic roller, slotted headplece, and a steel reinforced neck. Custom craffed mahogany sides and back, with a beautiful white spruce top. Shpg. wt., 10 lbs.
13 T 6613WX $\qquad$ Net 19.95

Sturdy case for above. Shpg. wt., 4 ibs. 13 T 6614WX

AARITONE UKULELE
Features beautiful finished sides, back, and neck-it's a real eye catcher! Top edge is finely bound with celluloid. Inlaid pearl posi tion inarkers ald finger location. Strings are carefully gauged true-tone nylon. The sound hole is decorated with black and white inlaid. White patent pegs and a white bone nut add the finishing touches. Gives the warmth of tone and ease of response to sattsfy any player. Imported. Size: $301 / 4 \sim \mathrm{~L}$ $x 10 " W$. Shpg. wt., 4 los.
13 TB730wX
Net 12.95

## (E) 5-STRING BANJO

## - Complete with Carrying Case

Enjoy the superb sound of a top-quality, 5-string banjo. Features heavy aluminum rim with 20 adjustable brackets. Hardwood neck reinforeed with steel. White celluloid bound rosewsod finger board. Has individual tuning pegs. Nickel plated tailpiece and armrest assure a long serviceable life. Included at no extra cost is a heavy duty
(C) GRAND CONCERT CLASSIC GUITAR

## White Spruce Top with Mahogany Sides \& Back

Beautifully detailed concert classic guitar! Features a steel reinforced rosewood neck with 19 fret fingerboard, and a fan-braced finest quality spruce top. Both front and back of the large handsome body are individually shaped and contoured for ultimate performance. Also has rosewood pinless bridge, 6 -side position markers, heavy-duty precision machine heads with rollers, open headpiece. Highly polished, gralned, sides and back. Shpg." wt., 10 lbs
13 T 6615 WX
Net 27.95
Sturdy case for above. Wt., 4 lbs. 13 T 6614wx

Net 7.95

nylon fabric bag with zipper closure. 10 lbs . 13 T B743wX $\$ 5$ monthly................ 39.95
13 T 6605 wx Whth Plush Lining For Above.
Musical Instruments Are Available On Easy Pay Plan-No Money Down

Deluxe, Powerful Musical

## A 80 Watt "Piggy Back" Bass Amplifier

- Powerful 15* Special Design Jensen Speaker with 27 oz. Mágnet
- Projects "Big Bass Sound"
- Excellent For Use With Electric Bass. Regular Guitar. Accordian and Combo.Organ
-"Easy Reach" Extruded Brushed Aluminum Control Panel will handle up to 3 instruments
Fabulous, full base sound with a minimum of distortion. Specially designed durable $15^{*}$ Jensen speaker has a wide range response. Has 3 Inputs: bass, high and low. Two slide switches for "deep" of "sharp" reproduction. Treble, bass, and volume controls: Neon pilot lamps. Fuse and 3-position switch for power off/standby/on. Super 80 -watt peak power chassis uses 5 tubes, 2 dual purpose tubes for 7 tube performance, and all solid state recufier circuit. Heavy duty transformers provide greater output. Two units; $3 / 4^{*}$ wood amplifier /speaker cabinet, and "piggy back" ampHifier which sits neatly on top of speaker cabinet. Cabinets have attractive gray and silver acoustical cloth. Ribbed vinyl carrying handle. Speaker cabinet slize: $231 / 2 \mathrm{H} \times 22 \mathrm{~L} \times 111 \frac{1}{2}{ }^{\sim} \mathrm{D}$. Amplifier: $71 / 4 \mathrm{H} \times 181 / 2 \mathrm{~L} \times 101 / 2^{*} \mathrm{D}$. For 117 V AC $50 / 60$ cycle. Shipg. wt., 58 los.
13 T 0148wx $\$ 7.50$ Monthly
Net 144.95
13 T 0149W Dolly for above amplifier
Net 11.95


## [B] 50 Watt Solid State "Piggy Back" Bass Amplifier

- Heavy-Duty 15" Special Design Jensen Speaker
- For Use With Electric Bass, Regular Guitar, Accordian and Combo-Organ
- 2-Instrument Inputs

Gives full bass and vibrant sound with a minimum of distortion. Powerful 50 watt peak amplifier is ideal for use with electric bass or standard gultars, and combo organs. All solid state circuitry ( 5 . transistors and 4 -silicon rectifiers) provides excellent sound. Features a special designed 15" Jensen speaker with a wide range response. High and low gain inputs plus separate volume and tone controls allow complete operating flexibility. Has On-Off switch plus pilot light and fuse. Two units; speaker and amplifier in matching black, vinyl covered wood enclosures with handles. Size: Amp., $43 / 4 \mathrm{H} \times 14 \mathrm{~W} \times 8^{\circ} 0$; Speaker, $227 / 4 \mathrm{H} \times 18 \mathrm{~W} \times 11^{\circ} \mathrm{D}$. For $117 \mathrm{~V} 50 / 60$ Hz AC. Shpg. wt., 35 ibs.
i3 T0154wX \$5 Monthly Net 99.95

## Instrument Amplifiers



## 70 Watt Solid State "Reverb"-"Tremolo" Twin-Speaker 2 Channel Amplifier

- Hammond "Reverb" Unit For Echo-Like Effect
- Pulsating "Tremolo" For "Ga-Go" Effect
- 2.12" Heavy Duty Special Design Jensen Speakers plus High-Frequency Hom
- Extruded Aluminum "Slanted Front Panel"

Remarkable reproduction, finest craftsmanship, make up this 2 . channel 70 watt peak amplifier. Produce "Tremolo" "Reverb" effects separately or simultaneously. Exceptionally good for guitar, organ and vocal use. Features 13 silicon transistors plus silicor rectifiers and heavy-duty output transformers. Has 4 -instrument inputs (2-per channel), plus separate volume and tone controls fer each channel. Two superb $12^{\prime \prime}$ Jensen musician instrument speakers plus a high frequency horn. Includes tremolo with speed and Ir tensity controls and Hammond reverb unit with depth control plus foot switch jacks for reverb and tremolo activation; pilot light; fuse; and "T" nut provisions for dolls. Sturdy wood cabinet, covered in black textured, scuff-resistant vinyl. For 117 V ., $50 / 60 \mathrm{~Hz} \mathrm{AC}$. Size: $32 \mathrm{H} \times 23 \mathrm{~W} \times 10^{\circ} \mathrm{D}$. Shpg. wt., 50 lbs. 13 T0157WX $\$ 8$ Monthly Net 159.95
Dual Foot Switch for remote control of tremelo/reverb. 13 T 0150 Shpg. wt., 1 lb.
$\begin{array}{lr}\text { Net } & 4.95 \\ \text { Net } & 11.95\end{array}$ 13 To149w Dolly for above amplifier

## [D] 50 Watt "Reverb"-"Tremolo"

## Twin-Speaker 2 Channel Amplifier

- 2-12" Heavy Duty Special Design Jensen Speakers
- Pulsating "Tremolo" For "Go-Go" Effect
- Hammond "Reverb" Unit For Echo-Like Effect

Get falthful reproduction of every note. Excellent for guitar, organ and vocal use. Has special heavy-duty Jensen speakers. AC chassis utilizes 6 tubes, 4 dual purpose tubes provide 10 tube performance. 4 instrument inputs provide outstanding versatility. Two channel 50 watt peak amplifier. Has 2 volume and 2 tone controls. Features remote control foot switch jacks for colorful tremolo and reverb operation, plus 2 tremolo controls - speed and intensity; reverb "depth" "control; on/off/standby switch; pilot light and carrying handle. Sturdy wood case covered in stimmering black vinyl. "I" nut provision for dolly. Size: $32 \mathrm{H} \times 23 \mathrm{~L} \times 10^{\circ} \mathrm{D}$. For 117 V ., $50 / 60 \mathrm{~Hz}$ AC. Shpg. wt., 45 lbs.
13 T Di56wx' $\$ 7$ Monthly $\qquad$ Net 129.95
Dual Foot Switch for remote control of tremolo and reverb.
13 T 0150 Shpg. wt., $14 / 2$ lbs.
$\begin{array}{lr}\text { Net } & \mathbf{4 . 9 5} \\ \text { Net } & 11.95\end{array}$
13 T 0149w Dolly for above amplifier


# LAFAYETTE SOLID-STATE 120-WATT PA AND MUSICAL INSTRUMENT SOUND SYSTEM 

## Mixer/Pre-Amp Control Center Features:

- Choice Of 8 Inputs For Musical Instrument Or Mikes
- Individual Bass, Treble And Level Controls
- Selector Switch For Stereo Or Mono Operation
- 2 Audio Level Meters
- Input And Output For Echo And Reverb Unit

Amplified Speaker-System Features:
-4-10' Powerful Jensen Speakers - 120 Watt Power Amplifier
This unlque system has exceptional performance with use of microphones, guitar, organ and accordion. A portable sound system that is easy to handle and extremely versatile. Features a mono-stereo mixer-pre-amp control center. Ampllfied speaker system delivers a powerful 120 -watts of peak audio power to 4 -special design Jensen speakers and also features 7 tran sistors plus solid state rectifiers, pilot lamp, On/0ff Switch and AC power line fuse. Mixer/Pre-Amp control center has two $3^{\circ}$. Illuminated audio level meters plus 2 slider-type master volume controls. May be used for stereo with second amplified speaker system. Solid-state circultry uses all silicon transistors. 4 -input channels with up to 8 -inputs may be connected ... each channel has two inputs (high and low) with individual volume, bass and treble eontrols. Also incorporates input and output connectors with on/Off switch for Revert or Echo equipment and two output jacks for connecting up to 4 additional ampliffed speaker systems (listed below) and two auxiliary AC power receptacles. Amplified speaker system size: $9^{\prime \prime} \mathrm{H} \times 213 / 8 \times W \times$ $8^{\prime \prime D}$. Amplifier console size: $27^{\prime \prime} \mathrm{H} \times 233 / 8{ }^{\text {"W}} \mathrm{W} \times 111 / 2^{\prime \prime} \mathrm{D}$. Units contained in sturdy wood cabinets covered in black vinyl with handies. May be stacked. With cords and plugs. For 117 V , 60 Hz operation. Shpg. wt., 66 lbs. 13 T 9075 WXM \$13.50 Monthly

Net 274.95
Optional "Add-On" 120 Watt Ampllfied Speaker System. For each additional Amplified Speaker-System added to the above sound system, you increase your power by an additional 120 Watts (Limit 480 Watts). Powerful 120. Watt Basic Amplifler drives $4-10^{\circ}$ Jensen Speakers. Contained in rugged

13 T0159WX $\$ 7$ Monthly Shpg, wt., 50 Ibs. $\qquad$ Net 129.95 Reverberation Unit: Studio type tone reverberation with Hammond unit. $30-40$ millisecond delay with a total of 1.2 sec . tone decay. Reverb and Tone Color controls. Vinyl covered case with chrome handle and illuminated pushbutton switch. With Foot Switch. Size: $1^{\prime \prime}$ W $\times 6^{\prime \prime} \mathrm{H} \times 7$ "D. Shpg. wt., 12 lbs. 13 T 0161wx $\$ 5$ Monthly

Net 89.95
Heavy Duty Aluminum Dolly for above system.
13 T0160WX Shpg, wt., 4 Ibs.
Net 21.95


- Tremolo Speed/Depth Reverb Controls
- Heavy-Duty 10" Speaker

Impressive, 10.watt solid state reverb and tremolo amplifier with self-contained $10^{*}$ heavy-duty Jensen speaker. Slanted, frontmounted control panel features "easy-toreach" controls for Volume, Tone, Reverb, Tremolo speed, Tremolo depth; two instrument inputs; reverb and tremolo foot switch Input jack; bright-glow pilot light. Housed in an attractive sturdy vinyl covered wood cabinet with carry handle and grill cloth. Size:19"Hx15"Wx61/2"D. For $117 \mathrm{~V}_{-,} 60 \mathrm{~Hz}$ AC. Imported. Shpg. wt., 16 Ibs. 59 T 9207WX \$5 Monthly $\qquad$ Net 49.95 Dual Foot Switch For Remote Control of Iremolo and Reverb. Shpg. wt., $11 / 2 \mathrm{lbs}$. $13 T 0150$
166 Lafayette Cat. No. 690


## 8 WATT "TREMOLO" AMPLIFIER

- Tremolo Speed And Intensity Controls
- 3 Inputs-Foot Switch Jacks

Functional, attractive, all-transistor tremolo amplifler. Dellvers 8.watts peak power to a specially designed 8 " speaker for full instrument range. Front mounted control panel has controls for Tone, Volume, Tremolo speed, Iremoo Intensity; three instrument inputs tremolo foot switch input jack; and pilot ilght. Housed in a sturdy wood cabinet with jet black vinyl covering and harmonizing grill. Chrome carrying handle. Size: $171 / 2^{-H} \mathrm{Hx} 143 / 4{ }^{\prime \prime} \mathrm{WK} 7$ "D. For 117 V ., 60 Hz AC. Shpg. wt. 12 lbs.
13 T0162w \$5 Monthly Net 34.95 Foot Switch For Remote Control of Tremolo 13 T 0151 Shpg. wt., $1 / 2 \mathrm{lb}$. Net 2.99


5-WATT STUDENT AMPLIFIER

## - Two Instrument Inputs

- Volume And Tone Controls

Great for the student or beginner! Features rugged. solid state clicuitry for cool. in. stantaneous amplification and trouble-free operation. Provides 5 -watts peak music power into a heavy-duty specially designed $6^{\text {w }}$ speaker with excellent clarity and tonal response. Smartly styled control panel has Tone and volume control; two instrument inputs; On/Off switch. Attractively designed lock plywood construction covered in water repelient, scuff.resistant black vinyl. With carrying handle. Size: $153 / 4^{\prime H} H \times 131 /{ }^{\text {" WK W }}$ "D . For $117 \mathrm{~V} ., 60 \mathrm{~Hz}$ AC operation. Shpg. wt., 11 lbs. 13 T0163W

Net 24.95

Depend on Lafayette For Everything in Electronics

## SOUND EFFECTS

## LAFAYETTE SOLID STATE "ECHO-VERB" REVERBERATION <br> UNIT

## LAFAYETTE "FUZZ SOUND"

- Make your guitar or bass produce the harmony of several wind instruments!


Add more instruments to your small combo with the "Fuzz" Sound! Create a wide variety of synthesized tones such as those produced by a baritone, or bass saxophone. Battery powered, it easily con. nects between your guitar, or bass and the amplifier and is operated by an On/Off foot switch. Has two variable control knobs; one for regulating the "funz" effect and one for volume and intensity. A supplementary On/Off switch is combined with the volurre controi to conserve battery life. Fully transistorized, the unit is built for heavy duty use and operates on a single penlight battery. A rugged metal case protects inside circuitry. Overall size: $51 / 2 \mathrm{~L} \leq 31 / 2 \mathrm{~W} \times$ $21 /{ }^{2 \prime}$ over. H. Imported. Shpg. wt. $13 / 4 \mathrm{lbs}$.
99 T 9199
Vet 14.95
99 T 6258 Battery for above
Net .10

## SUPER FUZZ Today's "In-Sound"

## Only <br> 

- Expanded Fuzz Can Produce a SitarLike Dimension in Sound

- Complete Controlled Range of Sustained Fuzz Effects
- Balance Control Enables Perfect Blend From Fuzz To Normal Effects
Solid-state Super Fuzz provides a complete range of controlled new harmonic sustained fuzz effects. Produces the whld new in-Sound widely used by the top recording groups. Balance contro enables perfect blend of tuzz and normal tones. Expander control provides unlimited range of sustained fuzz effects. Two position tone compensator permits choice of standard fuzz or new harmonic zustained sitar-like dimensional sound. Master foot control switches instantly to normal gultar operation, Rugged metal construction. Siaf: $61 / 2 x$ $33 / 4 \times 17 /{ }^{3}$. With cord and battery. Imported.
13 T 6617 Shpg. wt., $11 / 2$ lbs. $\qquad$ Vet 24.95
99 ₹ 6021 Battery for above $\qquad$ Net $\mathbf{2 1}$


## 21



Unit for any Musical Instrument Amplifier or P.A. System Simulates the full sound top artists get! Compact, lightweight, transistorized reverberation unit creates a new dimension in audibility to overcome dull, flat ordinary sound. Can be used with any instrument amplifier, or P.A. system. Minutes to connect, the "EchoVerb" may be used for sound effects. Has inputs for mike and/or instrument-plus a foot switch input to cut reverberation in or out from a remote location, pilot light and a reverb mix control that lets you select whatever intensity of reverberation you desire. With reverb mix control in the "Off" position, standard sound will be heard from the amplifier. With on/off switch. For 117 v ., $50 / 60$ Hz . AC. Size: $37 / 4 \mathrm{H} \times 111 / 2 \mathrm{~W} \times 61 / 2$ "D. Imported.
99 T 9202 W Shpg. Wt., 5 los.
Foot Switch for Remote Control of "Echo-Verb"
13 T 0151 Shpg. wt., $11 / 2$ lbs.
Net 2.99

## WAH WAH SOUND and VOLUME CONTROL

## Only $29^{95}$

- Produce A Wide Variety of Special Sound Effects
- Use With Any Electric Guitar or Bass


Produce the Wah-Wah effect of a trumpet or trombone with your guitar or base, electronically. Add extra instruments to your combo by creating the effect of synthesized tones identical to those of a trombone or trumpet when muted by hand or derby. No reaching down for controls. Large, $81 / 2^{\prime \prime}$ footpedal gives you the full range of Wah-Wah sounds plus operates as a voiume control by depressing a built-in switch under the heel of the footpedal. Input jack contains a switch to furn the unit on or off. Operates on 3 " C " cells. Fully transistorized. rugged construction. Imported. Size: $10 \times 3 \mathrm{~V} / 4 \times 3^{\prime \prime}$. 13 T 6630 Shpg. wt., 3 lbs. Net 29.95

## LAFAYETTE ENTERTAINER MICROPHONES AND STANDS

## A CARDIOID DYNAMIC MIKE

A superb dynamic microphone designed for applications where location of performer in relation to speakers causes feedback and reverberation. Highly directional cardioid pattern. Dual impedance: 50 K or 600 ohms, select able by switch. Response: $100 \cdot 10,000 \mathrm{~Hz}$. My. lar diaphragm. On/off switch. Modern design. satin chrome finished die-cast case. For hand held or stand use. Size: $84 / 3 L \times 1^{1 / 2} 2^{\circ} 0$ head. With swivel stand adapter and 20 ft . detach able cord with phone plug at other end. Imported. Shpg. wt., 3 lbs. 99 T 4629 Net 12.95

## (B) DELUXE BALL DYNAMIC MIKE

 Modern design features dual ImpedanceHigh 50 K ohms, or low 250 ohms. Omni-direc. tional, 100-10,000 Hz . Has on/off switch. Ball screen insures against "pop" and wind blast. Die-cast. finished in satin aluminum. Size: $61 / 4^{-1}$ long, max. diam. of ball $214^{\prime \prime}$. Com. plete with detachable 20 ft . cable and phone plug. Black metal desk stand and adapter for any $5 / 8^{-2}-27$ floor stand. Imported.99 T 4620 Shpg. wt., 2 lbs.
Net 15.95

## C)ATLAS MIKE FLOOR STAND

Features "Full-Grip" clutch. Chrome plated tube. 10" base. Height adj. 35-63". 44 T 1003 Shpg. wt., 10 los.
Aluga rol

Net 7.70


- Designed To Boost Vocals Above Instrument Levels
Model CJ.40. Voice As Low As speaker. Attractive char. coal gray, molded fiber. glass. Minimizes feedback, boom, and annoying harmonics to create performances that can be heard. 40 watts peak music power. Can be mounted on any mike stand (see p. 181) or with model SS-4 stand below. Quick connect/disconnect receptacle takes standard phone plug. Response: $150-14,000 \mathrm{~Hz}$. Impedance 8 ohms. $6 \mathrm{H} \times 14 \mathrm{~W} \times 123 /{ }^{\circ} \mathrm{D}$. Stipg. wt., 9 lbs. 44 T $1036 \mathrm{~W} \$ 5$ Monthly Model CJ-125. Similar to above except 125 watts peak music power. Uses SS-4 Stand below. Response: $100-12,000 \mathrm{~Hz}$. $13 \mathrm{H} \times 23 \mathrm{Wx}$ 19"D. Shpg. wt., $211 / 2$ ib.
44 T 1037 wx $\$ 5$ Monthly $\qquad$ Net $\mathbf{7 2 . 6 0}$ Model $\$ 5.4$ weighted base speaker stand. Black wrinkle finish base, chrome steel fubIng extends to over 6 ft . Shpg. wi., 20 lbs . 44 T 1038WX



## WHEN YOU BUY A COMPLETE OUTFIT YOU SAVE up тo $28^{85}$

## FROM INDIVIDUAL CATALOG PRICES

Each electric guitar outfit consists of a guitar, amplifier, case plus -neck strap, pick-up cord, extra set of 6 flat-wound steel strings, guitar pitch pipe, 8 assorted picks, 16 page instruction book with chords, illustrated fingering positions, and "strum-along" favorite songs, plus instruction record. Each outfit includes Tremolo and Reverb foot switch where required except those marked with *. SOLIO-BOOY ELECTRIC GUITAR OUTFITS
See Page 160 for Guitars - Pages $\mathbf{1 6 4}$ to 166 for Amplifiers

| Outit No. | Guitar | Pick. up | Amplifier | Wates | Shpg. Wt. Lbs. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 13 T 9077wXm* | 13 T 2451 wx | 2 | 13 T0163w | 5 | 22 | 62.50 |
| 13 T 9078 WXM | 13 T 2451wx | 2 | 13 T0162W | 8 | 24 | 73.95 |
| 13 T 9079wxm | 13 T 2451wx | 2 | 99 T 9207WX | 10 | 27 | 89.50 |
| 13 T 9080 WXM | 13T2451wx | 2 | 13 T0147wx | 15 | 37 | 94.95 |
| 13 T 9081WXM | 13 T $2451 w x$ | 2 | 13 T0155Wx | 30 | 50 | 134.50 |
| 13 T 9082WXM | 99 T 9139WX | 3 | 13T0162W | 8 | 26 | 83.95 |
| 13 T9083WXM | 99 T9139wx | 3 | 99 T g207wx | 10 | 29 | 98.95 |
| $13 \mathrm{~T} 9084 W \mathrm{XM}$ | s9 T 9139wx | 3 | 13 T0147wX | 15 | 39 | 104.50 |
| 13 T 9085WXM | 99 T 9139wx | 3 | 13 T0155wx | 30 | 52 | 144.50 |
| 13 T 9086WXM | 99 T 9139wx | 3 | 13 T 0156 WX | 50 | 70 | 171.50 |
|  |  |  |  | 10 | 27 | 108.50 |
| 13 T 9088WXM | 99 T 9140 WX | 4 | 13 T0147wx | 15 | 30 | 113.50 |
| 13 T 9089WXM | 99 T 9140wx | 4 | 13 T0155WX | 30 | 40 | 152.95 |
| 13 T 9090wXM | 99 T 9140 WX | 4 | 13 T0156WX | 50 | 71 | 179.95 |
| 13 T 9091 WXM | 99 T 9140wx | 4 | 13 T0157wx | 70 | 76 | 206.95 |

## OELUXE HOLLOW-BOOY ELECTRIC GUITAR OUTFITS

See Pages 161 to 163 for Guitars-Pages 164 to 166 For Amplifiers


| Outifit No. | Guitar | Plekup | Amplifier | Watts | Shpg. Wt. LDS. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 13 T 9092WXM | 13 T 6618wX | 2 | 99 T 9207wX | 10 | 42 | 107.95 |
| 13 T 9093WXM | 13 T 6618wx | 2 | 13 T 0147wx | 15 | 51 | 113.50 |
| 13 T 9094WXM | 13 T 6618wX | 2 | 13 T0155WX | 30 | 65 | 152.95 |
| 13 T 9095WXM | 13 T 6618wx | 2 | 13 T0156wx | 50 | 80 | 179.95 |
| 13 T 9096WXM | 13 T 6618WX | 2 | 13 T0157wx | 70 | 85 | 206.95 |
| 13 T 9097wXM | 13 T 8754WX | 2 | 13 T 0147wx | 15 | 49 | 123.50 |
| 13 T 9098wXM | 13 T8754WX | 2 | 13 T0155WX | 30 | 63 | 162.95 |
| 13 T 9099WXM | 13 T8754WX | 2 | 13 T0156WX | 50 | 78 | 189.95 |
| 13 T 9105 WXM | 13 T 8754WX | 2 | 13 T0157wx | 70 | 83 | 216.95 |
| 13 T 9106WXM | 13 T 6602wx | 2 | 13 T 0155wx | 30 | 67 | 181.95 |
| 13 T 9107WXM | 13 T 6602 WX | 2 | 13 T0156WX | 50 | 82 | 208.95 |
| 13 T 9108WXM | 13 T 6602WX | 2 | 13 T0157wX | 70 | 87 | 235.95 |
| 13 T 9109WXM | 13 T 6604WX | 2 | 13 T0155wx | 30 | 69 | 191.95 |
| 13 T9110WXM | 13 T6604WX | 2 | 13 T0156WX | 50 | 84 | 219.50 |
| 13 T9111wXM | 13 T 6604WX | 2 | 13 T 0157 WX | 70 | 89 | 245.95 |

## "VALUE" CUTAWAY SOLID-BODY ELECTRIC GUITAR OUTFITS <br> $29^{95}$ <br> Less Amplifier 4950 <br> Complete with 5 Watt Amplifier

## Save 5.40 On Outfits With Amplifier

- Ideal for The Beginner-Everything You Need Including A

Beginner's Record Course and Book To Start You Off Right
Lively "electric" sound with this finely constructed guitar. Magnetic pick-up with separate tone and volume controls. Steel reinforced mahogany neck with 21 frets and white inlay markers. Individual machines, adjustable bridge, guard plate in black celluloid with white trim, and string holder bar neck plate. High gloss finish. Size: $371 / 2$ $\mathrm{L} \times 111 / \mathrm{W}^{\mathrm{W} \times 11 / a^{\prime \prime} \mathrm{D} \text {. Complete outfit includes: guitar, heavy lined }}$ zippered bag with button-down pouch, extra set of strings, neck strap, connecting cord, self.Instruction book and record. Shpg. wt., 8 lbs .
13 T 8753WX Less Amplifier
Net 29.95
ELECTRIC GUITAR OUTFIT PLUS AMPLIFIER
Includes electric guitar outfit above plus 5 watt solid state amplifier 13 T 0163W on page 166. Shpg. wt., 16 lbs.
13 T 9076WXM \$5 monthly
Get Your Guitar Outfit Now- Un To 2 Years To Pay

# Musical Instruments \& Accessories 

## PROFESSIONAL <br> TUNABLE BONGOS $13^{35}$

## - Fast, Unobstructed Hand-Playing



Pure white perfect calfskin heads for best rhythm effect and authentic tone. Sparkling color finish. Sturdy construction full flanged counter loops with heavy chrome plated hardware. Four tuning.lugs on each bongo. Head sizes: $73 / /^{\prime \prime}$ and $61 / 2^{\prime \prime}$. Overall $7^{\prime \prime}$ deep. Complete with Tuning Key. Imported. Shpg. wt., 5 Ibs. 13 T 8704 W

Nel 13.95

## SETH THOMAS ELECTRONIC METRONOME

Precision Instrument, contains 2 complete electronically calibrated beat systems; audible and visual, 40 to 208 beats per minute. Single knob control, calibrated radial dial plus neon light. Wooden cablinet, operates on $115 \vee A C 60 \mathrm{~Hz}$.
13 T 4453 Walnut. Shpg, wt., 3 Ibs. Net 18.95 13 T 4454 Mahogany. Shpg, wt. 3 lbs. Net 18.95

## SETH THOMAS KEYWOUNO METRONOME

The original Seth Thomas metronome, from America's first and only manufacturer of keywound metronomes. A useful aid in music and dancing instruction, or wherever beat timing is important. Adjustable pendulum per. mits selection of beat tempo from 40 to 208 beats per minute. Selected hardwood case finished in walnut. Height $83^{\circ}{ }^{\circ}$. Base $41 / 2^{\prime \prime}$ 13 T 4450
13 T 4452 mahogany finish
Net 12.95
Net 12.95
GUITAR STRINGS - LEATHER STRAP PITCH PIPE

(A) Guitar Strings. Set of 6, plated copper wire wound. $13 T 2253$
(A) Nylon Classic Guitar Strings, Set of 6

13 T 2254
(A) Electric Guitar Strings. Flat wound, set of 6.

13 T 2252
Net 1.49
Net 1.49
Net 2.19
Electric Guitar Strings. Black diamond, flat wound hi-f strings. High quality. Set of 6.

> 13 I 8748
> (B) Adjustable Foam Padded Guitar Neck Sirap.

Net 3.95
13 T 2250
Net 1.49
(C) Delure Adjustable Bright Sparkle Vinyi Neck Strap far Guitar. Brass Plated Buckle.
13 T 2258
(D) Guitar Pitch Pipe
13 T 2251
Net 2.95
Net 1.49
(E) Retractable Guitar Cords with Plugs

99 T 912710 Ft
Net 1.59
99 T 912816 Ft .
Net 2.19
99 T 912920 Ft .
Net 2.69
( () Guitar Picks-6 Flat, 2 Thumb 13 T 2256

Net .49

## 4 PIECE GUITAR ACCESSORY KIT

An Ideal 4 piece set for the beginner Consists of: 1 set of (6) Flatwound Guitar strings; gultar pitchpipe; adjustable foam padded guitar neck strap and 8 guitar picks - 6 flat and two thumb picks. 13 T 2257 Shpg. wt., 1 lb.

Net 4.95


## THREE SECTION MUSIC STAND

Chrome plated steel, rust proof. Fixed position desk with wide ribbed ledge and wires to hold music in place. Automatic locking base. Folds compactly to $17^{\prime \prime}$ - extends to $60^{\prime \prime}$. 13 T 5275 Shpg. wt., 2 lbs

Net 3.95

## (A) CLARINET OUTFIT

Complete outfit consists of a quality clarinet made entirely of selected grenadilia wood. Tuned for the key of 8 b, Boehm system. 17 keys, 6 rings. Mouthpiece, cap, Igature, reed, music lyre, swab, grease cup and quality case of plush-lined fabric covered veneer. Imported. Shpg. wt.. 8 lbs.
13 I 8710wx $\$ 5$ monthly
Net 89.95
(B) TRUMPET OUTFIT

An outstanding trumpet that combines beauty of design with rugged serviceability. Beautiful professional styling with nickel-silver tubing and trim. The valves feature nickel silver construction with top springs and slotted no-twist guides for excellence of action. Body is of brass, clear lacquered finish. Complete with mouthpiece, music lyre and plush-lined case with large accessory compartment. Imported Shpg. wt., 14 lbs.
13 T8709wx $\$ 5$ monthly ........ Net 69.95


HOHNER MELODICAS

## s Low As



## 



- With Case,


## Spare Mouthpiece-Instructions

Student Melodica - Ideal for the beginner. 20 chromatic keys from middle $C$ to $G$, give it a range adequate for most music. 13 T 6631 Shpg. wt., 2 lbs. 9.95 Soprano Melodica - Similar to above, 25 keys from middie C . 13 T 6632

Net 11.50
Alto Melodica - Similar to above, 25 keys from low $F$ 13 T 6633

Net 13.50

## GUITAR TUNING AID

Provides that necessary "third hand" for simple, accurate and rapid chain tuning. Adjustable to fit 6 string guitars with up to $21 / 4$ " necks. Spring loaded plunger holds the $2 n d .4$ th, 5 th, and 6 th strings behind the fifth fret; plunger is adjustable to hold the 3rd string behind the fourth fret.
13 T 8650 Shpg. wt., $1 / 2 \mathrm{lb} . .$. Net 2.19


## HOW TO PLAY THE GUITAR

The easy way to learn all the chords and rhythms on your guitar. Has vocal accompaniment; ballad styles; folk, country and western; rhythm and blues; shuffle beats. Features guitar demonstration and text by George Barnes, spoken commentary by Bob Mersey. 24 T 4505 Shpg. wt., 1 lb.

Net 3.50


## BEGINNING THE FOLK GUITAR

Famous "Music Minus One" Records! Designed for the new-comer to the world of playing the folk guitar. The course is covered with both a book and an LP record. This lets you hear as well as read what you are playing. Shpg. wt., 1 lb. 24 T 4508

Net 6.50


## METHOD FOR GUITAR by JOE FAVA

A contemporary approach towards comprehensive mastery of the gultar written in a clear concise manner by a professional. The strings are learned in order of their difficulty with musical arrange. ments for study. Profusely illustrated.
13 T8706 Book I (1st position) 40 pages Net 1.49 13 T8707 Book H (2nd position) 40 pages Net 1.49 13 78708 Book III (High positions) 48 pgs. Net 1.98


## SMITH'S MODERN ELECTRIC BASS BOOK

Authoritive 4 string electric bass gultar method book 12 T 6709

Net 1.25

## GUITAR SELF-INSTRUCTOR FOR THE BEGINNER

- Book And Record

Book and instruction record for the beginner. Chord sounds and pictures plus "strum" along favorites. Shpg. wt. 6 oz .
12 T 6707
Net 1.50

## Portable Electronic Organ

## FULLY TRANSISTORIZED

only $299^{95}$
No Money Down

## With BUILT-IN AMPLIFIER

- Fully Transistorized-With Ywo Speakers
- Easy to Carry-Packs Like a Suitcase
- Perfect for Combo or Home Use

Portable organ has a built-in fully transistorized 10 .watt amplifier and two oval speakers. Ready to play anywhere... Suitable for any entertainer, at home or school. 49. key keyboard spans 4 full octaves and produces a wide range of tonal variations. Three $16^{*}$ voice tabs -bass bourdon; bourdon; and strings. Four ' $8^{\prime}$ voice tabs-flute; diapason; strings; and trumpet. Trumpet tab simulates $4^{\circ}$ effects to give an even wider variety of sounds. On-Off tab vibrato with rotary speed and Intensity controls. Volume/On-Dff switch with pilot light and separate volume control for bass octave. Photo-cell type expression pedal. Can also be played through an external ampllfier. Comes in red and black trim. Size: 31" keyboard; height 32"; 18" deep. Operate on 117 VAC. Imported from Italy. Shpg. wt., 68 lbs.
13 T 6634W (Mail order customers see note below) ___ Net 299.95

## MAIL ORDER CUSTOMERS

Mall order customers please use stock number below. All orders will be shipped transportation charges collect. All orders (except Easy. Pay) must include full remittance. No C.O.O. 13 T 6635 WXY

## ESTEY ELECTRIC CHORD ORGANS

$\left.\begin{array}{|c|}24 \text { Chord } \\ 2095\end{array} \begin{array}{c}\text { No Money } \\ \text { Down }\end{array}\right) 40$ Chord

- Easy-to-Play as A.B.C.
- Exclusive Estey Sound Chamber
- Permanently Tuned Stainless Steel Reeds

24 Chord Electric Organ features 37 ivory white keys; 24 bass/chords, major, minor, sevenths; and fully balanced bass/chords. Convenient on-off switch... foot pedal for playing with expression. Beautiful contemporary styling; Grained Walnut finish, burn proof, stain proof, scratch resistant. Handsome matching music rack. With instruction book. Size: $33^{\prime \prime} \mathrm{L} \times 17^{\circ} \mathrm{D} \times 31 \mathrm{HH}$. Operates on 117 VAC. Wt. 69 lbs. Note! See optional bench below.
12 T 5851 w Mail order customers see note below $\qquad$ Net 99.95 Deluxe 40 Chord Electric Organ Similar to above with 37 lvory white keys; 40 bass/chords buttons, bass, major, sevenths, dimin. ished. Operates on 117 VAC. ShDr. wt.. 69 lbs.
12 T 5852 W (Mail order customers see note below) $\qquad$ Net 129.95 Matching bench for above organs
12 T 5853W (Mail order customers see note below) $\qquad$ Net 12.95 Mail order MAIL ORDER CUSTOMERS
Mail order customers please use stock numbers below. All orders will be shipped from Harmony, Pa, collect for shipping charges. All orders (except Easy-Pay) must inciude full remittance. No C.D.D. 12 I 5854 wxy 24 Chord Organ $\$ 5$ Monthly Net 99.95 12 T 5855 WXY 40 Chord Organ $\$ 7$ Monthly _.......................... 129.95 12 T 5856WY Matching Bench 12.95

## MAGNUS CHORD ORGAN ENSEMBLE $49^{95}$ No Money Down

- Anyone Can Learn to Play in 60 Seconds without lessons
- Handsome Polystyrene Construction
- 12 Chord Buttons-37 Treble Key Organ
- Deep Cushion Hassock Bench
- 5 Magnus Music Books

Features handy knee volume control for playing with expression. Cabinet is handsome walnut polystyrene with gold slik screened designs, matching music rack and efectric Magna Lite. Oimensions: $10^{\circ} \mathrm{H} \times 281 / 4 \times \mathrm{W} \times 11^{\circ} \mathrm{O}$. Matching hassock bench, is deep cushioned textured vinyl covered, with tapered hardwood legs. Play Real Music in 60 Seconds! Size: $18 H^{\prime \prime} \times 17^{\prime \prime} \mathrm{L} \times 131 / 2{ }^{\prime \prime}$ W. For operation on $117 \mathrm{VAC} / 60 \mathrm{~Hz}$. Shipg. wt., 38 ibs. 12 T 5802wX



Excellent 40 -watt mobile P.A. amplifier for civil, military and general commerclal use. 55 -watt peak power solid state circuitry employs 5-transistors and 1-diode for economical and instant "On" operation. Three separate easy to see fiber-optic illuminated controls have indsvidual On/Off and gain functions to permit separate or simultaneous playing of external equipment and paging system. Three inputs are provided: 1 - low impedance microphone input (50-500 ohms); 1high level crystal or ceramic phono input; l-auxiliary input for tuner, tape recorder, etc. Has $12-14 \mathrm{VOC}$ power and a dio output socket for siren, fog horn, etc. Response: $150-15,000 \mathrm{~Hz}$ Dutput Impedance: 4, 8, 16 ohms. Operates from any 12-15YDC source. Includes mooile mig. bracket and OC cable. Slze: $9 \nmid \leq \times 2 K_{0} \times 9{ }^{\circ} 0$. Shpg. wt., 9 lbs.

44 T 0140WX PA-640 $\$ 5$ Monthly
Oynamic Push-to-Talk Public Address Microphone.
99 T 4577
Net 69.95

40-WATT MOBILE P.A. SYSTEMS


Atlas MO. 1

99.4577 Microphone


Atlas MO. 2

Complete 40 -watt moblle PA system featuring the Lafayette PA-640 40-watt solid state moblie public address amplifier with OC battery cable, 2 each Atlas MO-1 mobile weatherproof speakers with special fail-safe mobile bracket, Lafayette $99-4577$ push-to-talk dynamic microphone with plug, and two 35 ft , speaker cables. 44 T 9101 WXM $\$ 6$ Monthly. Shpg, wt., 20 lbs,.............. Net 114.95 Same system as above except with one Atlas MO-2 mobile communications speaker, instead of two MO-1 speakers, for mounting under the hood and/or concealed limited spaces. M0.2 speaker size: $65 \% \mathrm{~W} \times 8 \mathrm{H} \times 4 \%{ }^{\circ}{ }^{\circ} \mathrm{O}$. System shpg. wt., 15 lbs . 44 T 9102 WXM $\$ 5$ Manthly

Net 89.95

## "TINY MITE" SOLID-STATE 16 WATT MOBILE PA AMPLIFER

- Real Tinv-Only $13 / 8 \mathrm{H} \times 3 \mathrm{H}_{6} \mathrm{Dx} 7 / 8^{\prime \prime} \mathrm{W}$
- All Solid State - No Warmup!
- For 12 Volts DC, Negative or Positive Ground

Ideal for mobile PA applications. the "Tiny Mite" fits into practically all cars and trucks, and features two inputs ( 100 K and 800 ohms) for use with dynamic, crystal, or magnetic microphones; phono pickup; tape recorder or AM radio. Output impedance: 8 or 15 ohms. Low current consumption: draws maximum of 1.6 ampere from vehicle's battery. Fused for overload protection. Complete with microphone plug, battery and speaker cables, and under-dash motite mounting bracket. Imported, Shpg. wt., 2 lb .
99 T 4589
Net 29.95

## Lafayette Solid State 16 Watt Mobile PA System

Lafayelte ${ }^{\text {S Solid State }} 16$ Watt Moblle PA Ampllfier 2 Lafayette Horn PA Speakers Lafayette Push-to-Talk Oynamic PA Microphone

TOTAL

Net 29.95 Net 15.90 Net 3.95 48.80

Above Lafayette mobile PA system consists of Lafayette's 16 watt solid state miniature mobile PA amplifier, 2 weather-proof 8 watt P.A. Irumpet speakers with $90^{\circ}$ dispersion and low impedance matching dynamic push-to-talk microphone. Shpr. wt., 7 lbs.
44 T 9069 WXM $\$ 5$ Monthly $\qquad$ Net 43.95
Same system as above except with Attas MO-1 25 watt weatherproof speaker with fall safe mobile bracket instead of two hom speakers. 44 T $9103 \mathrm{wXM} \$ 5$ Monthly. Shpg. wt., $71 / 2 \mathrm{Ibs}$. $\qquad$ Net 52.50
 Catalog Prices

PHONO TOP FOR AMPLIFIERS


4-speed ( $16,331 / 3,45$, and 78 RPM) phonograph turntable is designed to fit on top of the amplifier and is easily mounted with twi screws. Fits snugly over ampllfler. Takes records up to $12^{\text {²}}$. High quallity ceramic pickup-turnover type with dual synthetic sapphire stylus. Power requirements: 15 watts. 117 volts 60 Hz AC. Durable finish matches amplifier. Size: $123 / 48 \% \times 4^{\prime \prime}$. Shpg. wt., 8 lbs.
For PA-612, PA-622, PA-645 and PA-675. 44 T0119 Net 18.95
NEW! AMPLI-VOX COMMANDO 25-WATT OUTDOOR PUBLIC RODRESS SYSTEM


All-Transistor Amplifier

- Powered By Flashlight Batteries Only $129^{95}$

No Money Down
Rugged easy-to-carry solid state 25 watt ( 40 watt Peak) P. A. System operates on tion flashlight cells. Weather-proof horn speaker combines with nolse cancelling push-to-tath microphone for best voice penetration. Features two inputs for mike and tuner, tape rec., etc. Dual outputs match 4, 8, 16 ohm impedances. Weighs only 15 lbs. with batteries. Shpg, wt., 17 lbs. 44 T 5607w "D" Batteries (10 required) Net 129.95 99 T 6256

Each Net . 15
10 for 1.20

## DELUXE LAFAYETTE PISTOL-GRIP POWER MEGAPHONE



- Weighs only $4^{1 / 4}$ Ibs. complete with batteries
A lightweight megaphone notable for its extreme economy in battery power despite its high sound volume output. Uses 4 size $D$ flashlight batteries and has a patented nonlinear current-limiting device to give maxjmum possible battery life. The reflexed air column In the horn plus its special shape serve to concentrate and direct the amplified sound and throw it for a considerable dis. tance! The rubber-rimmed horn is of IIghtweight spun aluminum and construction is extremely sturdy throughout. Microphone is built into the base of the horn. Unit measures $121 / 2^{2}$ long; mouth diameter is $81 / 4^{\omega}$. Imported. Shpg. wt. 6 Ibs 59 Y 4504 w (Less Batteries) $\qquad$ Net 29.95 99 T 6256 " $D$ " Battery for above (4 req.) Net ea.


## LAFAYETTE P.A. AMPLIFIER GUARANTEE

ONE Year Guarantee: All parts guaranteed against defects in material and workmanship for one year. Ship defective part to us prepaid for replacement or ship amplifier prepaid for repair

LAFAYETTE 12-WATT P. A. AMPLIFIER MODEL PA-612


A low priced high quality. P. A. Amplifierespecially suitable for paging applications in small size areas of up to 5500 sq . ft. Controls are provided for 1 mike and 2 auxiliary inputs (phono, tuner, or recorder); master tone control; inverse feedback circuit delivers $40-20,000 \mathrm{~Hz}$ response, effectively reduces hum and distortion. Output for 4,8 , 16 ohms, 25 and 70.7 volts. Rear chassi's
terminations for optional economical B+ on-off switching, Tubes: $2-6 \mathrm{BM} 8 / \mathrm{ECL}-82$, 12AX7, 6CA4/E2-81 rectifler. Aluminum and green panel with handsome metallic green case. Slize: $127 \mathrm{~h} \times 8 \%_{0} \times 5 \mathrm{~K}_{4}{ }^{\circ}$. For $110-120$ Volts $50-60 \mathrm{~Hz}$ AC. Shpg. wt, 12 lbs. 44 T di20wx $\$ 5$ Monthly_Net 41.95 4.Speed Phono Top for Amplifier Above. 44 TO119 Shpg. wt., 8 lbs. Net 18.95


## - Complete Permanent System

High quallty, low cost system engineered for smaller permanent installations. For areas up to 5500 sq. ft. THE COMPLETE SYSTEM incluoes: The Lafayette Model PA-612, 12 watt amplifier the Lafayette $99-4587$ crystal microphone with on-off switch, desk stand lavaller cord, cable, and detachable swiveltype floor and desk stand adapter, easily
hand-held without adapter-holder; 10" heavy duty PM speaker; $35^{\circ}$ speaker cable and plug and attractive pollshed wainut finIsh speaker wall baffle. For $110-120$ volts, $50-60 \mathrm{~Hz} \mathrm{AC}$ operation. Shpg. wt., 27 lbs. Complete 12 -watt Permanent System as described above. 44 T 9104 WXi $\$ 5$ Monthly _...... Net 56.95

## 12-WATT PORTABLE SYSTEM

Includes Lafayette Model PA-612 12-Watt ampilfier, sturdy 'amplifier and speaker carrying case, heavy duty $12^{\prime \prime}$ P.A. speaker,
Lafayette $99-4587$ crystal microphone and
connector. Entire system can be carried in baffle case. Shpg. wt., 45 lbs. 44 T 9105wXm \$5 Monthly Net 71.95

## LAFAYETTE P.A. AMPLIFIER GUARANTEE

ONE Year Guarantee: All parts guaranteed against defects in material and workmanship for one year. Ship defective part to us prepaid for replacement or ship amplifier prepaid for repair

## 22-WATT P.A. AMPLIFIER MODEL PA-622



## $49^{95}$

- For Medium Halls
- Inverse Feedback F.or Low Distortion
- Outputs For 4, 8, and 16 Ohms, 25 and 70.7 Volts No Money Down - Handsomely Designed, Ruizged Cabinet

An outstanding 22-Watt P.A amolifier Per fect for applications in a medium sized area -indoors or outdoors-up to 6000 sq. ft. Inverse feedbach circuitry assures low hum and distortion for exceptionally clean, pure sound. Extremely good frequency response-$30-20,000$ cDS $\pm 2 \mathrm{db}$-make this an ideal unit not only for paging, but for background music, etc. Functionally designed front panel controls: mike, and two auxillary inputs (phono, tuner, recorder); master tone control, and on-off switch. Handy indicator light auto. matically signals when unit is energized. Outputs are provided for 4, 8, and 16 ohms, 25 and 70.7 volts, to match a wide variety of speaker impedances. Microphone gain is
+126 db while aux, is +83 db . Comes complete with amphenot 75 MCIF mike connector and phono plug for auxillary input, Ampliffer cabinetry is a masterplece in itself. Cabinet is finished in lustrous metallic green while the front panel is of handsome green and natural aluminum. Rear chassis terminations for optional economical $8+$ on-off switching. Tube complement, 2.7189 in push-pull output, 12AXT, 6AU6, 6CA4/EZ-81 rectifier. For $110-120$ volts, $50-60 \mathrm{~Hz} \mathrm{AC}$. Size: $12 \mathrm{~W} \times 8 \% \times x$ $54_{6}$ ". Shpg. wt., 14 ids. 44 T0125wx $\$ 5$ Monthly $\qquad$ Net 49.95
4.Speed Phono Top For Amplifier Above. 44 f0119

Net 18.95

## LAFAYETTE 22-WATT PORTABLE P.A. SYSTEMS



A complete 22.watt P.A. portable system that in addition to Lafayette's fine 22-watt P.A. ampilfier, includes a heavy duty $12^{\prime \prime} \mathrm{PA}$ speaker; a rugged excellently constructed carrying case that serves as an efficient speaker baffle and housing for the amplifier, optional phonotop, microphone, cables and up to $2-12$ "' speakers; the popular ElectroVoice model 727SR Crystal mike with on-off switch complete with delachable desk stand, $5^{\circ}$ cable and floor stand coupler; and 35' speaker cable. For $110-130$ volts $50-60 \mathrm{cps}$ AG operation. Shpg, wt., 47 lbs.
44 . 9074 WXM 55 Monthly Net 13.95 Same as above except with Lafayette 99-4587 high impedance slim crystal microphone with
on-off locting switch, with cable, desk stand, removable swivel-type floor stand adaptor, and lavalier cord in place of EV-727SR microphone. 44 T 9075 vxM $\$ 5$ Monthly $\qquad$ Net 74.95 Same as 44 C 9074 WXM except with $2.12^{\circ}$ heavy duy 15 watt PA soeakers plus $35^{\prime}$ speaker cable. Shpg. wt., 52 lbs. 44 T 9076 WXM $\$ 5$ Monthly
xM except with Same as 14 C 9075 WXM except with 2 heavy
duty $12^{\prime \prime} 15 \cdot$ watt speakers and $35^{\circ}$ speaker cable. Shfg. wt. 52 lbs .
44 T 5077 m M $\$ 5$ Monthly $\qquad$ Net 80.95

See page 172 for phonotops for above system

## 22-WATT PERMANENT INDOOR SYSTEM

## - Heavy Duty 12" Speaker

Includes PA-622 22-watt P.A. amplifier; Rug. ged, specially designed hi-power 12" P.A. speaker; Polished walnut wooden wall baffie; Electro-Voice 727 SR crystal microphone with on-off switch, complete with detachable desk stand for desk, table-top or hand held use; 35. speaker cable and mike connector. For 110.130 volts, $50-60 \mathrm{~Hz} \mathrm{AC}$. Shpg. wt., 28 lbs.
44 T 9048 WxM $\$ 5$ Monthly Net 73.35 Same as above except with Lafayette 99-4587 slim crystal mike with on-off locking switch, desk stand lavalier cord, cable and remov. able swivel-type floor stand and desk stand adaptor Instead of E-V 727 SR microphone. 44 T 9073wXM $\$ 5$ Monthly

Net 64.95 Additional $12^{\prime \prime} 15$ watt P.A. speaker and walnut wood baffle. Shpg. Wt., 10 lbs.
44 S050WXM
Net 9.95

## 22-WATT INDOOR P.A. COLUMN SYSTEM



- PA-622 22-Watt PA Amplifier
- One 30.Watt 6-Speaker Column Speaker
- Lafayette 99-4587 Slim Crystal Microphone
- 35 Length of Speaker Cable

Complete 22.watt P.A. system above, Column speaker is $301 / 4^{\prime \prime} \times 7{ }^{\prime \prime} \times 31 \mathrm{~s}^{\prime \prime}$ and utilizes 6 speakers for up to 30 watts of efficient reproduction. Snpg. wt., 32 lbs.
44 T 9098 wxM $\$ 5$ Monthly
_ Net 74.55
Same as above system plus additional 6 speaker column speaker and speaker cable. Shpg. wt., 47 lbs.


## LAFAYETTE P.A. AMPLIFIER GUARANTEE

ONE Year Guarantee: All parts guaranteed against defects in material and workmanship for one year. Ship defective part to us prepaid for replacement or ship amplifier prepaid for repair


## MODEL PA-645 45-WATT P.A. AMPLIFIER



No Money Down


An outsfanding P.A. amplifier for indoor and outdoor coverage. Combines power with versatility for supert performance in any application. Features a low frequency filter which acts as an antifeedback network and trumpet protector. Two handy outputs are provided; one at 25 volts and the other at 70.7 volts. Separate bass and treble controls for flawless performance and extreme ease of operation. Power outiput is a full 45 watts RMS ( 90 watts peak), more than enough to drive even low-efficiency speakers to full output capabillties. Master gain control eliminates chance errors whenmaking volume adjustments. Outputs: 4,8 and 16 ohms to match wide range of speaker impedances for maximum power transfer. Terminations on rear of chassis make possibie optional B+ on-off switching with resultant tube and component saving. Comes complete with Amphenol $75 \mathrm{MC1F}$ connector and phomo plug. Handsomely styied metallic green case with aluminum and green front panes. For $115 \mathrm{~V}, 50 / 60 \mathrm{~Hz}$ AC. Size: $151 / 4 \times 101 / 4 \times 5 \mathrm{ka}{ }^{\prime \prime}$. Shpg, wt., 21 lbs. 44 T0130wx $\$ 5$ monthly 4-speed Phono Top for Amplifier Above. Shpg. wt., 8 lbs. 440119

## ,

Net 18.95

## PA-645 SPECIFICATIONS

POWER OUTPUT: 45 watts RMS ( 90 watts peak) FREQUEMCY RESPONSE: $\pm 2 \mathrm{db}, 30$ to $20,000 \mathrm{~Hz}$ INPUTS: 2-Microphone; 2-Auxiliary (high gain phono, tuner, or tape recorder)
CONTROLS: 2-Microphone: 1 Auxiliary fader; 1-Bass, 1-Treble; 1-Master gain, 1-Antl.Feedback 1-On-Off
OUTPUTS: $4,8,16$ ohms; 25 and 70.7 volts
TUBES: 2-12AX7; 1-6AV6; 2-6L6GC; 1-5AR4/GZ.34 POWER CONSUMPTION 110 watts at 120 VAC

## 45-WATT IND00R SYSTEMS. WITH PA-645

Excellent for Large Halls, Department Store Music and Paging Systems, and Restaurant Music, etc.



## - Lafayette 45-Watt Popular PA Amplifier

- 2.12" Special Heavy Duty 30-Watt PA Speakers, Each with
$1^{11 / 4} \mathrm{lb}$. Ceramic Magnet and 20-14,000 Hz Range
- 2 Sturdy Attractive Walnut Wall Baffles for Speakers
- Choice of Deluxe Dynamic Mikes
- 2.35' lengths of Speaker Cable.

Above system with Lafayette $99-4598$ versatile dynamic microphone with dual impedance and desk stand. Can also be mand-held or used with standard floor stand. Stipg. wt., 60 los. For $110-130$ volts, $50 / 60 \mathrm{~Hz} \mathrm{AC}$.
44 T 90*1wxM $\$ 6.50$ Monthly Net 123.95
Same as above with Electro-Voice Model 664 dynamic cardioid microphone instead of Lafayette 99-4598.
E.V
6.54
 44 8 5064 WXM $\$ 8$ Monthly

Net 152.55


As Low As $146^{95}$ No Money Down

$8^{\circ \prime}$ Speaker with Baffle, Volume Control, and Matching Transformer

- Lafayette 45-Watt PA Amplifier
- 4 Each $8^{\text {" }}$ Speaker-Baffle Combinations with Matching

Transformer and Volume Control

- Choice of Deluxe Dynamic Microphones
- $4.35^{\circ}$ Lengths of Speaker Cable

Above 45 -watt indoor PA system with Lafayette $99-4598$ outstanding, dual-impedance dynamic mictophone and desh stand. Microphone can also be hand-held or used with floor stand. Shpg. wt., 61 lbs 44 T 9106 WXM $\$ 8$ Monthly ............................... 146.95 Same system as above except with Electro-Voice Model 664 dynamic cardioid microphone instead of Lafayette 99-4598. 419107 WXM $\$ 9$ Monthly Net 175.95

## LAFAYETTE P.A. AMPLIFIER GUARANTEE

ONE Year Guarantee: All parts guaranteed against defects in material and workmanship for one year. Ship defective part to us prepaid for replacement or ship amplifier prepaid for repair

PA Systems

## 45-WATT OUTDOOR PA SYSTEMS WITH PA-645

For Airports, Loading platforms, Railroad Stations, Country Clubs, etc.
For up to $\mathbf{1 0 0 , 0 0 0}$ Square Ft. Area

- Lafayette Popular, Versatile 45-Watt PA Amplifier
- Choice of Deluxe Dynamic Microphones
- Three E.V PA-30A 30-Watt Weatherproof Speakers

Above system with Lafayette $99-4598$ defuxe dynamic dual-impedance microphone with desk stand. Microphone can be hand-held or used with standard floor stand. Includes microphone connectors. Shpg wt. 59 lbs.
44 T 9110 WXM $\$ 7.50$ Monthly $\qquad$ Net 139.95
Same system as above except with Electro-Volce 664 deluxe dynamic carcioid mike instead of Lafayette microphone.
44 T $9111 w x M 59$ Monthly $\qquad$ Net 168.95
Same system as 44T9110WXM except with 2 Electro-Voice 848A Wide. Range 40 .Watt COP Compound Diffraction Projectors instead of 3 E.V PA-30A's. Shpg, wt., 67 IDs.

44 T $9112 \mathrm{WXM} \$ 9$ Monthly
Net 175.95
Same as 44 T9112WXM except with E.V 664 dynamic cardioid mike instead of Lafayette $99-4598$ microphone. 44 T 9113 WXM $\$ 10$ Monthly $\qquad$ Net 204.95


## 45-WATT PORTABLE PA SYSTEMS WITH MODEL PA-645

## With Dual Speakers

- For the Majority of Sound System Applications School Auditoriums, Churches, Theaters, Dance Halls, Studios, Lecture Halls


## 45 WATT PORTABLE SYSTEM COMPONENTS

Lafayette PA-645 45.Watt P.A. Amplifier
2 Each 30-Watt Heavy Duty 12" P.A. Speakers with $11 / 4 \mathrm{ib}$, ceramic magnet.
Lafayette 99.4598 All-Purpose Dyamic Dual Impedance Hicrephone for desk stand, floor stand, or hand held-use.
Attractive Sturdy Carrying Case For Amplifier, Speakers and Acces. series; serves as efficient baffle for speakers.
2 35' Speaker Cables.
Complete system as above. Shpg, wt., 80 lbs .
44 T 5082WXM $\$ 6.50$ monthly $\qquad$ Net 125.95 Same 45-Watt P. A. System as above except with Electro-Voice Model 664 cardioid dynamic microphone with on-off switch and $18^{\prime}$ cable for high feedback problem areas, Instead of Lafayette 99-4598 dyamic microphone.
44 T $9083 \mathrm{WXM} \$ 8$ monthly
Net 158.95
44 T0119 Phonotod for above, Shog. wt., 8 lbs, Net 10.95

## 45-WATT INDOOR P.A. SYSTEMS with LAFAYETTE 6-SPEAKER COLUMN SPEAKERS

Excellent for: Auditoriums, Churches, Theatres, Studios,
and special events.

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Lafayette PA-645 45-Watt PA Amplifier
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Lafayette PA-645 45-Watt PA Amplifier
2 Each 30-Watt G-Speaker Column Speakers
2 Each 30-Watt G-Speaker Column Speakers
Choice of Delure Dynamic Microphones
Choice of Delure Dynamic Microphones
2-35 Ft. Lengths of Speaker Cables

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2-35 Ft. Lengths of Speaker Cables
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## $\underset{\substack{\text { As } \\ \text { As }}}{\substack{\text { aw }}}$ 95

Above system with Lafayette $99-4598$ dual impedance dynamic microphone and desk stand, Can also be hand-held or used with standard floor stand, Column speaker is $301 / "^{\prime \prime} \times 7^{\prime \prime} \times 31 /{ }^{\prime \prime}$ utilizing 6 speakers for efficient reproduction of program material, Shpg. wt., 61 lbs.
44 T gog2wxim $\$ 7$ monthly $\qquad$ Net 125.95 Same as above system except with Electro-Volce 664 Cardiold Dynamic Microphone instead of 99-4598 microphone. Shpg. wt. 61 lbs.
44 T gog 3 WXM $\$ 8$ monthly $\qquad$ Net 155.95 Same system as 44 T 9092 wXM except with 2 Deluxe 60 watt, 6 speaker sound column speakers instead of 30 watt speakers. 44 T 9108 WXM Shpg. wt., 72 bs. $\$ 9$ Monthly .............. 171.00 Same as 44 T9108 except with Electro.Voice 664 Cardioid Oynamic Microphones Instead of Lafayette $99-4598$ microphones. 44 T 9109 WXM Shpg. wt., 72 lbs , $\$ 10$ Monthly $\qquad$

LAFAYETTE P.A. AMPLIFIER GUARANTEE
ONE Year Guarantee: All parts guaranteed against defects in material and workmanship for one year. Ship defective part to us prepaid for replacement or ship amplifier prepaid for repair


PA. 675

## 75-WATT HI-POWER OUTDOOR P.A. SYSTEMS



Dynamic Mike

## 75-Watt P.A. Amplifier

- High Power-Wide Response
- Anti-Feedback Network to Attenuate Low Frequencies
A truly high quality 75 -watt P.A. amplifier that combines handsome styling with rugged engineering to give you a value packed unit. Perfect for stadiums, arenas, factories-virtually anywhere maximum coverage is desired and essential. Provides a full 75 watts of clear audio signal power and up to 150 watts on voice peaks. Controls and inputs are more than ample for most P.A. installations: separate bass and treble controls; efficient master gain control; separate mixer controls and inputs for 2 separate microphones; common mixer control for both auxiltary inputs that control phono, tuner, or recorder. Switchable anti-feedback network attenuates lowest frequencies to minimize the chance of feedback through this common means. This network also protects speakers from burnini out. Response is from 30 to $20,000 \mathrm{~Hz} \pm 2 \mathrm{db}$. Inputs are: 2 -microphone; 2 -auxiliary (phono, tuner or tape). Controls: 2 microphone: Auxillary fader; oversize master gain; separate bass and treble; anti-feedback; on-off. Output facilities are for 8 or 16 ohms for maximum power transfer. Provisions are made for both 70.7 and 25 volt constant voltage outputs for a constant level sound system. Terminations on rear of chassis make possible optional $8+$ On-Off switching with resulting tube and component saving. Comes complefe with 75 MCIF mike connector and 1 phono plug. Rugged case is of a light metallic green with aluminum and green front panel. Tubes. 2-12AX7A; 6AV6; 2-6CA7; 5AS4A: 5 Y 3 GT . Size $151 / 4 \times 10^{1 / 4 \times 5} / \mathrm{ha}^{\mathrm{m}}$. Shpg. wt., 39 ibs. 44 T 0135wx \$5 Monthly $\qquad$ Net 89.55 4 -Speed phono top for amplifier above. Shpg. wt., 8 lbs. $89^{95}$


Shure Unisphere A Dynamic Milke

University PH Trumpets and Lafayette 99-4507 Drivers coverase Consists of:
LAFAYETIE PA-875 75 Watt PA Amplifier
3 Electro-Volce PA30A 30 Watt Projector Speakers
for highest articulation and maximum PA reliability.
LAFAYETTE 99-4594 High Impedance Dynamic Microphene with stand adapter, talik switch, and 7 cable and plug.
Complete 75 watt PA system above, shpg. wt., 65 lbs.
44 T Sl14wx $\$ 8$ Monthly $\qquad$ Net 149.95 Same system as above except with 3 Universtly PH directional reproducing trumpets for noisy areas, plus 3 Lalayette $99-4507$ driver units, in place of the 3 Electro-Voice PA30A. Shpg. wt., 90 lbs. 44 I 9115 WXM \$10 Monthly $\qquad$ Net 192.95 Same as $44-9114$ except with famous Shure Model 585SA Unisphere A unidirectional dynamic cardioid "pop" proof microphone instead of Lafayette 99-4594 dynamic microphone. Shpg. wt., 73 lbs .
44 T 9186 WX \$10 Monthly $\qquad$ Net 173.95 Same as 44-9115 except with Shure Model 585SA Unisphere A car. dioid "pop" proof dynamic microphone instead of Lafayette 99-4594 dynamic microphone. Shpg. wt., 90 tbs.
44 T 9117 wx m $\$ 11$ Monthly
Net 216.95

## 




Lafayotte $8^{\prime \prime}$ Speaker Baffle Combinations Pre-wired with Matching
Transformer \& Volume Control

Ideal for: Paging and Background Music, Auditoriums, Churches, Department Stores, Airports, etc.
Consists of:
Lafayette PA. 67575 Watt PA Amplifier. 6 Lafayette Pre-Wired Speaker Baffle Combinations with $8^{-1}$ Speakers with individual volume controls and PreWired Matching Transformers with Taps for 10. 5, 2.5, 1.25, and . 625 Watts per Speaker.
Choice of Deluxe Dynamic Microphones.
6.35 Ft. Speaker Cables.

Complete 75 watt indoor PA system above with Lafayette $99-4594$ high-output dynamic microphone with on-0ff switch, omnl-directional head, swivel type stand adapter, extra microphone $\&$ phono plugs and cable. Shpg. wt., 84 lbs . 44 T 9118 wxM \$9 Monthly

Net 177.95 Same PA System as above except with Shure Model 5855A Unisphere A unidirectional dynamic cardioid "pop"-proof microphone instead of Lafayette 99-4594 dynamic microphóne. Shpg. Wt. 84 los.
44 T 9119 XM $\$ 11$ Monthly
Net 201.95
Same system as 44 T 9118 WXM except with 2 Lafayette 30 . Watt column speakers containing 6 speakers each instead of the 6 speaker-baffle combinations. Shpg. wt., 72 lbs.
44 T 5120 wxm $\$ 7$ Monthly $\qquad$ Net 136.95
Same system as 44-9120WXM except with Shure Model 585SA Unisphere A microphone instead of latayette $99-4594$ dynamic microphone. Shpg. wt., 72 lbs.
44 T 9121 wXM $\$ 8$ Monthly $\qquad$ Net 161.95
Same 75 Watt PA system as 44.9120 WXM except with 2 Lafayette Deluxe GaWaft column speakers containing 6 speakers each instead of the 30 -watt column speakers. Wt. 82 lbs. 4 T 9122 WXM $\$ 9$ Monthly

Net 169.95
Same system as 44-9122WXM 'except with Shure Model 585SA Unisphere A deluxe cardioid dynamic microphone instead of Lafayette 99-4594 dynamic microphone. Shpg. wt., 82 bbs.

## LAFAYETTE Sound Columns \& Public Address Speakers

## LAFAYETTE 6 SPEAKER DIRECTIONAL SOUND COLUMNS



Sound columns contain specially desiened, matched and balanced speakers stacked in a vertical array. Sound columns are most desired where difficult acoustics exist. This is accomplished by widely drecting sound in a horizontal plane so as to cover a large audience, and by narrowing the vertical plane in order to reduce normal acoustlc feedtack and reverberation from floor and celling reflections, resulting in crystal-clear voice and music repraduction.
(A) Lafayette 30 Watt Sound Cotumn Handles up to 30 watts power. Frequency response $200-10,000 \mathrm{Mz}$. Diepersion $120^{\circ}$ horizontal, $30^{\circ}$ vertical. Impedance 16 ohms. Attractive vinyi covered wood cabinet. Dimensions $31 " H \times 71 / 4 " W \times 31 / 4 " D$. Imported. Shpg. Wh., 15 lbs . 95 T 4614 WX Net 24.95
(B) New Deluxe Lafayett 60 Watt Sound Column-Handles up to 60 watts power. Size: $411 / 2^{-H} \times 77 /{ }^{-W} \times 5^{\circ} \mathrm{D}$. Frequency response $70-10,000 \mathrm{~Hz}$. Dispersion $120^{\circ}$ horizontal, $30^{\circ}$ vertical. Handsome vinyl covered wood cabinet. Impedance 8 ohms. Shpg wt, 25 lbs . 99 T $4625 \mathrm{Wx} \$ 5$ Monthly _ Net 49.95

## LAFAYETTE 8" 10-WATT PRE-WIRED SPEAKER-BAFFLE COMBINATION



- Built in 70-Volt Line Matching Transformer with Taps for $10.5,2.5,1.25$ and .625 Walts
- Built-In Individual Volume Controls

An $8^{\prime \prime}$ speaker bafile combination for any type of indoor sound sys. tem. Completely pre-wired for easy installation. Heary-duty $\mathbf{8 n}^{\prime \prime}$ speaker has 4.64 oz. Alnico $V$ Magnet. Power rating 10 watts. Transformer is mounted directly on speaker frame. Transformer taps are $10,5,21 / 2,11 / 4$ of $5 / 8$ watts, for connection to 70 -volt amplifler output. Terminal board with screw teminals is provided at the rear of each baffle for easy connections. Each speaker has its own volume control for setting volume levels as desired at each speaker location. Size is $11 \mathrm{~W} \times 9 \mathrm{ha}_{\mathrm{H}} \times 64^{*} \mathrm{D}$. Imported. Shpe. wt., 7 ibs. 99 T 4532 W Spaker Baffle Combination

Net 16.55

## LAFAYETTE PA DRIVER UNITS

## FIT ALL TRUMPETS AND PROJECTORS

 As Low As
## 11

Hermetically sealed weatherproof driver units. Recommended for all type of PA work and Industrial requirements. Widerange response of these drivers assure excellent reproduction of voice and music. Will fit all trumpets and projectors. Impedance 16 ohms.


| Stock No. | Respense (NIT) | Size | Watts | Shpt. Wt. | Net |
| :--- | :---: | :---: | :---: | :---: | :---: |
| 99 T 4507 | 120.7100 | $4 \times 37 / 4$ | 25 | $3 y / 4 \mathrm{lb}$. | 11.95 |
| 99 T 4626 | $80.12,000$ | $41 / 2 \times 4$ | 40 | 6 lb. | 18.55 |

## LAFAYETTE MINIATURE HORN PAGING SPEAKER

## 795

- Mounts Easily
- $90^{\circ}$ Dispersion
- Weatherproof

An excellent general purpose paging speaker of amazingly compact size. Ideal for portable PA systems, patios, etc. Long-throw projec. tion of $90^{\circ}$ dispersion offers maximum speech intelligibility in high noise areas. Compact size enables it to be mounted anywhere in almost any position. Frequency response $400-12,000 \mathrm{Kz}$. Impedance 8 ohms. Power handling capacity 5 watts, 8 watts maximum. Complete with mounting bracket, 2 -conductor cable. Horn diameter $51 / \mathrm{K}^{\prime \prime}$. Depth $43 / \mathrm{a}^{\prime \prime}$. Imoorted. ShDr. wt.. $11 / 2 \mathrm{lbs}$.
99 T 4508
Net 7.95
WEATHERPROOF OUTDOOR HI-FI SPEAKERS


ELECTHOVOICE SONOCASTER I New auxiliary hi-fi loudspeaker system. Lightwelght, rugged and westherproof for extension or portable use anywhere. Speclal radax coaxial $8^{-\prime}$ speaker provides amazingiy wide range response, $70-13,000 \mathrm{~Hz}$. Ideal for use with existing stereo system, improves performance of any portable radio, record player, recorder, etc. Black molded housing similar to fine air travel luggage; can't chip, fade or peel. Accessory hangup bracket included. Molded in handle. 8 ohms. 30 watts peak. $167 / 4 \mathrm{H} \times 17 \mathrm{~W} \times 57 \mathrm{~s}^{\prime \prime} \mathrm{D}$. Wt. 8 lbs. 21 T 3030w Net 22.50
ELECTROVOICE MUSICASTER-Designed for superior voice and music reproduction. Provides unusual bass response and balanced highs In a compact diecast aluminum enclosure. Rugged $8^{\prime \prime}$ Radax speaker, weather-proof cone. Ideal for schools, clubs, churches, and general auditorlum use. Response $60-13,000 \mathrm{~Hz}$, ElA rating 48 db .30 watts, 8 chms. Dimensions: $211 / 2 \times 11 / 2 \times 81 / 2$ ". Universal " $U$ " mounting bracket. Shpg. wt., 34 tbs.
44 T $2505 \mathrm{WX} \$ 5$ monthly
Net 64.08
UNIVERSITY MLC Ideal for coverage of moderate size areas or crowds-or for sound reinforcement where smooth, clean, wide range musical reproduction and even distribution are important. Fiberglass reinforced polyester housing with moveable mounting bracket. Excellent reproduction from $150-15000 \mathrm{~Hz}$ with a power rating of 15 watts. System has a 2000 Hz crossover. $120^{\circ}$ dispersion; 8 ohms impedance. Dimensions $123 / 2 W \times 94 / 4 \times 155_{6}^{\circ} \mathrm{D}$. Shpg. wt., 10 lbs.
4 4 $8001 \$ 5$ monthly

# University-Electro-Voice-Argos-Atlas-PA Speakers 

E-V PROJECTORS AND PAGING SPEAKERS


## UNIVERSITY PAGING AND TALK BACK SPEAKERS as Low as 1875



Compact sized, weatherproof, highly efficient speakers for all PA instaliations. All equipped with swivel mount bracket. Also mounts to $1 / \mathbf{2}^{\prime \prime}$ pipe without accessory.
Model MIL-A8-Response: $\mathbf{3 5 0 - 1 3 , 0 0 0 ~ H z ~ I m p e d a n c e : ~} 8$ ohms. Ideal for low power systems requiring high efficiency. Handles 10 watts. Dispersion: $120^{\circ}$. Size: $71 / 1, \times 67 / \mathbf{s}^{\circ}$. Shpg. wrt. $33 / 4 \mathrm{lbs}$.
44 T 8006
Net 18.75
Model IB. A2. Ideal for fill in applications In high power sound systems and as the main speaker in low to moderate power systems. Response: $250-13,000 \mathrm{~Hz}$. Handles 30 watts. Impedance: 8 ohms. Dispersion: 90 . Size: $10 \times 91 / 4^{\prime \prime}$. Shpg. wt., 4 lbs.
44 T 8003
Net 22.95

## UNIVERSITY WEATHERPROOF REFLEX TRUMPETS AND DRIVERS

 Frea. response: 250 to $13,000 \mathrm{~Hz}$. ElA sensitivity rating: 54 db . Power handling capacity- 30 watts. Impedance 8 ohms; dispersion: $90^{\circ}$; for mounting: universal " U " bracket. Dimensions: $97 / 8 \times 81 / 14$ " deep. Shpg. wt., $151 / 2 \mathrm{lbs}$.44 T 2509 w
Net 22.95
(C) Model PA-30A. 30-WATT PAGING PROJECTOR. Rugged, high-impact implex. Rectangular horn design for maximum versatility, wide dispersion. Rugged, high impact hom. Smooth response for both voice and music: $250-14,000 \mathrm{~Hz}, 30$ watts, 8 ohms. Dispersion: $120^{\circ} \times 90^{\circ}$ ElA sensitivity rating $59 \mathrm{db} .11 \mathrm{H} \times 61 / 2 \mathrm{~W} \times 81 / 2^{\prime \prime} \mathrm{D}$. Shpg. wt., $71 / 2 \mathrm{lbs}$.
44 T 2515
Net 21.90

## UNIVERSITY MM-2F SUBMERGENCE-PROOF SPEAKER

## NEW!

## only $38^{48}$

## - Ideal For Boats, Marinas

 and FiretrucksDesigned to meet U.S. Navy Standard for shipboard speakers. Rugged, use wherever water hazards exist. Response: $350 \cdot 10,000$ Hz . Handles 25 watts. Dispersion $150^{\circ}$ Impedance 16 ohms. $71 / 4$ " dia. $\times 33 /{ }^{"}$ D . Shpg. wt. $51 / 4$ lbs.
44 f $8029 \$ 5$ Monthly $\qquad$ Net 38.48

## Elachaticice AND Argos <br> PA SOUND COLUMN SPEAMERS



Was 120.00
1968 Catalog

- Reduces Reverberation and Feedback Problems
- Concentrates Sound Where Needed
- Power Handling Capacity 30 Watts

Electro-Yoice Model LR4R Curved Líne Radiator. Curved design overcomes unwanted high-frequency lobes at ends, elliminating echo and feedback distorthon components. Features nine $3 \times 5{ }^{-1}$ and three $31 / 2^{\prime \prime}$ cone speakers. Dispersion: $160^{\circ}$ hor izontal, $60^{\circ}$ vertical. Response: $200-15,000 \mathrm{~Hz} .25$ watts program, 50 watts peak. Impedance 8 ohms. Beautifully finished in mess tan. Size: $49 \times 7 \times 13^{-}$ Shpe, wt. 30 lbs.
44 T $2502 \mathrm{wx} \$ 5 \mathrm{mo}$. - Net 94.80 ARGOS Model SD10g0 Sound Dif. rector Celumn Low priced 6speaker system. Power: 30 watts. Impedance: 16 ohms. Fre. Quency Response. $200-10,000 \mathrm{~Hz}$. Dispersion- $120^{\circ}$ horizontal. $30^{\circ}$ vertical. Size: $301 / 4 \times 7 \times 31 /{ }^{\prime \prime}$. Finished in walnut, wood-gralined vinyl. Shpg. wt., 14 lbs.
44 T 1301wn $\$ 5$ mo.. Net 44.50


REFLEX TRUMPET. Highly efficient alr column directionab reproducer to give maximum intelligibility in areas of high noise level. Design of units listed below provide optimum sound distribution pattern, Increases sound intensity along speaker axis dependent upon diameter of hom. Made of heavy gauge spun aluminum, weather proof, gray finish. With universal " $U$ " type mounting bracket, less driver unit. Type GH: 85 cps cut off for music. Types LH and PH: 120 and 150 Hz cut off for general use. Type SMH: 200 cps cut off for voice only.

| Stock No. | Model | Diam. | Lng. | Air Col. | Shpg. <br> Wt. |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | Net

DRIVERS FOR UNIVERSITY TRUMPETS. $10-20$ is ideal for low.cost general PA work; $10-30$ is recommended for maximum speech intel: ligibility. 10-40 is recommended for critical P.A. and industrial requirements. $10 \cdot 60$ is a superb driver with extra power handling capacity combined with maximum sensitivity.

| Stock No. | Model | Response ( Hz ) | Watts | Shpe. We Lbs. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 44 T 3016 | 10.20 | 120-6500 | 20 |  | 16.50 |
| 44 T 8019 | 10-30 | $100-7500$ | 30 | $31 / 4 \mathrm{lb}$. | 19.50 |
| 44 T 8020 | 10.40 | 80.12,000 | 40 | 41/2 16. | 24.90 |
| 44 T 8022 | 10.60 | 70-12,000 | 60 | $53 / 4 \mathrm{lb}$. | 34.50 |

## UNIVERSITY LINE MATCHING TRANSFORMERS

Model 5433-30 watt. Primary 45/165/200/250/1000/2000 ohms secondary 4, 8 and 16 ohms; 70 volt line taps $30 / 25 / 20 / 10 / 5 / 2.5$ watts. $1 \% \times 21 \%, x 11 \%$.". $2 \%$ " centers. Fits into CTR housing. 44 T 8016 Shpg. wt., 1 lb.

Net 5.46
Model 5434-15.watt. Primary 45/325/500/1000/2000/4000/8000 ohms; secondary $4 / 8 / 16$ ohms; power taps with 70 volt line $15 / 10 / 5 / 2.5 / 1.25 / .65$ watts. $15 / 1 \times 11 y_{0} \times 15{ }^{*}{ }^{*} ;{ }^{* \prime}$ centers.

## 44 T 8017 Shpg. wt., 3/4 lb

Net 4.35

## NEW! ATLAS MOBILE PA AND CB SPEAKERS



## MO-2

Model MO-1 Weatherproof speaker with special, rigid, one-piece cast bracket for fall-safe use on vehicles. Concealed wiring and special, one-piece horn discourage tampering. High efficiency for use with mobile radio transceivers. Power: 25 watts. Impedance: 8 ohms. Response: $300 \cdot 13,000 \mathrm{~Hz}$ Dispersion: $120^{\circ}$. Dimensions: $714^{\circ}$ bell diameter; $63 \mathrm{~B}^{\prime \prime}$ deep. Shipping wt. $41 / 2 \mathrm{lbs}$.
44 T 1034 $\qquad$ Net 26.40
Model Mo-2 Compact mobile communications speaker with welded steel, bracket for concealed, limited space use in vehicles. Power: 25 watts. Impedance: 8 ohms. Response: $\mathbf{3 0 0 - 1 3 , 0 0 0 ~ H z}$. Dispersion: $130^{\circ}$. Dimension: $65 /{ }^{\prime \prime}$ wide, $8^{\prime \prime}$ high, 4\%, deep. Shipping wt 5 lbs. 44 T 1035

## LOWELL, LAFAYYETTE PA Bafliles And Speakers



CR80-P


L35-P

## LOWELL FLUSH-MOUNTING PLASTIC SPEAKER BAFFLES

Decurative high impact Styrene piastic baffles. White finish. Lightweight and durable - will not lade, chip or mar - Model ADS80.P has full $360^{\circ}$ dispersion. Self-tapping speaker mounting screws supplied.

| Stock No. | Type | Description | Wr. | Wet |
| :---: | :---: | :---: | :---: | :---: |
| 44 T 5014 | ADS80P | For $8^{\prime \prime}$ ceiling Spkr $10 \times 10^{*}$ | 8 D2. | 2.95 |
| 44 T 5015 | CR80P | For $8^{\prime \prime}$ ceiling/wall Spkr 10x10" | 8 oz . | 2.75 |
| 44 T 5016 | L35P | For 33/2" intercom Spkr 43/2x ${ }^{\circ \prime \prime}$ | 302. | 1.03 |

## LOWELL STEEL RECESSED BAFFLES



Popular steel style grills with enduring baked on white enamel finish. All grills have 4 studs on rear to mount speaker. For $8^{\prime \prime}$ speakers. All hardware is furnished.

| stoch No. | Type | Description | Wt. | Wet |
| :---: | :---: | :---: | :---: | :---: |
| 44 T 5020 | LK. 8 | For $8^{\prime \prime}$ Ceiling Speaker 134** dia. | 2 lbs. | 2.40 |
| 44 T 5021 | CW. 8 | For $8^{\prime \prime}$ Ceiling Speaker 12" dia. | 2 lbs. | 3.71 |

## LOWELL FLAT TILE TYPE PANEL BAFFLE

## - Replace Standard $12 \times 121 / 2$ Acoustic Types Tiles

Type M8-Square steel type. Designed to match and replace standard $12 \times 12 \times 1 / 2^{\prime \prime}$ acoustic tile blocks. Permits a completely hidden speaker system - for $8^{\circ \prime}$ speakers - speaker mounting hardware is furnished - Baffle is zinc chromate undercoated and finished in flat white lacquer $12 \times 12 \times 122^{\prime \prime}$. For proper enclosure see enclosure listing. Shpg. wt., $112^{\prime \prime}$ Ibs.
44 T 5019
Net 3.50



## LOWELL RECESSED

 MOUNTING ALUMINUM BAFFLESRS and AL cefling baffles are ideal for Installation in homes, offices, restaurants, efc. Spun aluminum material has lacquer protected satin finish. Model AL features diffuser cone for full $360^{\circ}$ sound dispersion. Require protective speaher enclosures (Type CP and XCP listed below).

| Slock No. | Type | Description | ibs. | Me |
| :---: | :---: | :---: | :---: | :---: |
| 44 T 5001 | RS.6A | For $6^{\prime \prime}$ spkr 103/47\%" | 1 | 2.53 |
| 44 T 5002 | RS-8A | For $8^{\prime \prime}$ spkr $12 \% \mathrm{x}^{2 / 2 "}$ | 1 | 2.50 |
| 44 T 5003 | RS-8A | Same as above but wh. enam. | 1 | 2.50 |
| 44 T 5004 | RS-12A | For 12"spkr 161/2x1/2" | 13/4 | 3.83 |
| 44 T 5005 | AL6A | For $6^{\prime \prime}$ spkr $104 / 2^{\prime \prime}$ Dia. | 11/2 | 3.78 |
| 44 T 5006 | AL8A | For $8^{\prime \prime}$ splar 12\%* Dia. | 17/4 | 6.13 |
| 44 T 5007 | Al 12A | For 12"spkr $167 / 4^{\prime \prime}$ Dia. | 342 | 7.75 |

## LOWELL PROTECTIVE ENCLOSURES

 FOR MOUNTING BAFFLESThese enclosures protect against damage from falling mortar, dust, rodents, etc. All 22 ga. steel welded construction. Exteriors are rust-proofed with zinc chromate; interiors are heavily undercoated to prevent resonance.
XCP Sufficient speaker back pressure on all models assures sound quality. Note: CP series used for new construction, XCP for existing ones, P875X for either. Hardware for mounting enclosures and speakers supplied, with baffle or grille used. Shor, wt.: Types CP1012. XCP1012-71/2 lbs.; Types CP84, XCP84, P875X, CW. 8 - $44 / 2$ Ibs.; Types CP-6, XCP. 6 - $31 / 2 \mathrm{Ibs}$. ; Type P22X - 1 lb .

| Stock No. | Type | For | I.D. | 0,0, | Depth | Ne |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 44 T 5008 | CP-6 | AL6-A, RS6-A | 7\%" | 111/4" | 43/8" | 3.77 |
| 44 T 5009 | CP84 | AL8-A, RS8-A, M8 | 896" | 131/8" | 47" | 4.54 |
| 44 T 5010 | CP1012 | AL12-A, RS12-A | 121/* | 1712" | 71/6" | 6.22 |
| 44 T 5011 | $\times$ ХС96 | AL6-A, RS5 A | 7\%" | 104" | 44\% | 3.25 |
| 4415012 | $\times$ XP94 | AL8.A. RS8-A, 18 | 859" | $111 / 4^{\prime \prime}$ | 43/ | 4.05 |
| 4415013 | XCP1012 | AL12-A. RS12-A | 12\%** | $16^{*}$ | 71 | 5.49 |
| 44 T 5017 | P875x* | AL8-A, RS8-A, M8, ADS80.P CR80.P |  |  | 3\%" | 5.26 |
| 44 T 5018 | P22X** | L35P |  |  | ${ }^{2 \prime}$ | 2.13 |
| 44 T 502 | CP. 200 | CW | 10* | 131/2" | 5* | 4.00 |

## 12" PA SPEAKER

 Full 15 Watts of Power Designed especially for public address work. Will handle 15 watts of power - ideal for use singly for medium power systems or in multiples for higher power. Rugged mechanical construction, dust-proofed and rust-resistant. 8 ohm voice coil, 4\% " deep. Has 10 oz . ceramic magnet. Shpg. wt., 5 lbs. 44 T 0102
## LAFAYETTE HI-FI "THIN LINE" BAFFLE WITH SPEAKER

- Measures Only 21/4" Deep
- Perfect for Hi-Fi Extension Speaker or PA Use


## BEST ess work. ideal for mechani- met-resis- Has 10 oz. Net 6.95

## SELLING LAFAYETTE PA SPEAKERS

695


## Full 10 Watts of Power

Ideal for lower power pasing systems, Same quality as $12^{\prime \prime}$ speaker at left with rugged mechanical construction, dust-proofed and rust resistant, except $8^{\prime \prime}$ diameter, rated at 10 watts, with 5.502 . ceramic magnet. 8 ohm volce coll. $2 \% / \mathrm{s}^{\prime \prime}$ deep. Shpg. wt., 2 lbs. 44 T 0103

## LAFAYETTE PORTABLE PA CASE $19^{95}$

- 2 Baffles In One Case
- Room For Two 12" Speakers

A sturony constructeo case for amplifier and two $12^{2 \prime \prime}$ speakers. Made of heavy plywood with reinforced metal corners. Case splits into 2 baffles, each with heavy duty plastic carrying handle. Covered with attractive grill cloth. Has 2 hooks in each half for carrying speaker cables and provision for mike and mike base. 4 snap locks. In addition to room for two $12^{\circ}$ speakers, there is ample space for any amplifier and phono top measuring up to $163 / 4 \mathrm{~W} x$ $113 / 4 \mathrm{D} \times 10^{\prime \prime} \mathrm{H} .173 / 4 \times 123 / 4 \times 22^{\circ} 0 . \mathrm{D}$. Shpg. wt., 25 lbs. 44 T 0126WX
The perfect speaker to furnish music or paging thrcughout your home, office or factory. this unique ceiling and wall baffle speaker offers fine audio reproduction. Advanced design employs an Inverted magnet, placing the 12 02, magnet structure in front of the speaker rather than behind as in conventional speakers. Only $21 / 4$ deep with its own metal baffle plate, it easily mounts in any wall, ceiling, closet or ordinary wood enclosure. Two are perfect for stereo. Voice coll is $1^{\prime \prime}$ Diam. Frequency Response: $90-9.000$ cps. Impedance: 8 ohms. Overall size including melal baffle is $91 / 2^{\prime \prime}$. Requires $65 \%^{\prime \prime}$ wall cutout. Imported. Shpg. wt., 3 lbs.

## 99 T 4505

## 450



# Mixers and Preamps 

LAFAYETTE TRANSISTORIZED STEREO/MONAURAL MIKE MIXER


## $9^{95}$

- Transistorized

No Warm-up

- Compact and Durable - Matches High Impedance Microphones
- Up to 4 Input Channels

A stereo version of the popular LAFAYETTE mono mixer, Combines up to four microphories professionally into one stereo output, or may be used as a monaural mixer. Each mike control independent of the other, permits fading of one input while increasing others. Controls high impedance microphones, recorders, phonographs or tuners. Output jack fits standard RCA type phono pin plugs. Inputs are standard 2 -conductor phone plugs. Requires single 9 volt battery (not supplied). size: $6 \mathrm{~W} \times 24 / 4 \mathrm{H} \times 31 / 2^{\circ} \mathrm{D}$. Imported. Shpg. wt., $11 / 4 \mathrm{lbs}$. 99 T 4563

Net 9.95
99 T $\$ 021$ Battery for above
Net 21
LAFAYETTE TRANSISTORIZED MIKE MIXER 485

- Up to 4 Channels
- Matches High Impedance Microphones
- Modern Solid State Design

Mixer controls high impedance signals from mikes, phonos, recorders or tuners. Standard 2 -conductor phone inputs, standard RCA type phono pin plug output, 9 volt battery. Imported. Shpg. wt., $11 / 4 \mathrm{lbs}$. 99 T 4535 Monaural Mixer | Net |
| :--- | :--- |
| Net |
| .21 | 99 T 6021 Battery for above



No Money Down

- 4 Mic and 2 Phono Inputs - All-Silicon Solid State - Excellent For Electric Guitars

FEATURES: Any 4 channels may be used simultaneously, each in. dividually controlled for mixing and fading. Connects to high im. pedance radio/phono input of any amplifier, tape recorder or microphone. SPECIFICATIONS - OUTPUT VOLTAGE: 2 Volts and . 04 volts at $0.5 \%$ distortion; FREQUENCY RESPONSE: $50-20,000 \mathrm{~Hz} \pm$ 2 db ; GAIN: Mic -60 db , phono - 20 db ; HUM: -68 db below 5 volt; OUTPUT IMPEDANCE: 2200 ohms; CONTROLS: 2 Mic volume, 2 Mic or phono volume, on-off; SEMICONOUCTORS: 6 transistors, 2 diodes (all silicon); POWER CONSUMPTION 1.2 W at 117 VAC, 50.60 $\mathrm{H}_{2}$; DIMENSIONS: $91 / 4 \times 6 \times 2 \mathrm{~F} \mathrm{a}^{\mathrm{m}}$, Shpg. wt., 5 lbs. 44 T $1220 \$ 5$ monthly

Net 40.75

## LAFAYETTE MINIATURE AUDIO MIXERS


(A) Performs any mixing operation where 2 high impedance input channels are connected to a single. mixed high impedance input channel. Each input has its own level control. Momentary switch protects speaker while inserting into system. Shielded, chrome plated housing. Has 2 RCA-type fe: male input jacks and an RCA-type male phono plug output. $23 / 4 \times 13 / 4 \times 7 / 8^{\prime \prime}$ overall. Imported. Shpg, wt., $1 / 2 \mathrm{lb}$.
99 T 1013
Net 1.69
(B) Same as above except output is standard phone plug, $31 / 4 \times 13 / 4 \times 11 / 3^{\prime \prime}$ overall. Imported. Shog. Wt., $1 / 2 \mathrm{lb}$.
99 1014 ............................. 19
(C) Same but inputs are standard male mike connectors and output is standard female mike connector. $23 / 4 \times 13 / 4 \times 7 / 0^{\prime \prime}$. Imported. Shpg. wt., $1 / 2 \mathrm{lb}$.

Net 1.99

LAFAYETTE SOLID STATE STEREO MIXER/PREAMP

"All-Transistor" stereo-mixer/preamp! For use with any power amplifier not incorporating low-level inputs for magnetic cartridges, tape heads and low-impedance microphones, Raises the output of any low level source without affecting the signal-to-noise ratio. Features: 2-mike, 2 -phono, 2 -tape inputs, volume controls for left right channel; equalization switch; power off/on switch; mode switch; built-in 9V DC power suppiy, or, operates off 117V $50 / 60$ Hz AC. Input impedance: 50 K ohms. Output impedance 5 K ohms at max. vol. Size: $21 / 2 H \times 7 W \times 51 / 2=0$. With battery. Imported. Shpg. wt., $13 / 4$ los.

99 T 6021 Replacement Battery
Net 14.95 SHURE MICROPHONE MIXER


The Shure M68 is a fully transistorized professional mixer providing for the utmost flexibility in use. It has four microphone channels plus an auxiliary channel. There are five gain controls (an individual one for each channel) plus a master gain control. There is instantane. ous and independent selection of high or low impedance on each of the microphone inputs. Outputs to match high or low impedance microphone inputs or high imp., high level auxiliary input. Size: $25 / 8 \times 11 \mathrm{~K}_{4} \times 5 \mathrm{~K}_{0}{ }^{\prime \prime}$. Shpg. wt., 5 lbs .
44 T T558 $\$ 5$ Monthly
Net 73.50
SHURE LEVEL - LOC


## $52^{92}$

Model M62 "Level-Loc" audio level controller. Automatically and instantly locks the volume level of a sound system, virtually eliminating annoying volume changes, blasting, fadeout, etc, Level is predetermined by setting a single switch. Ideal where varying volume is caused by different voices, bobbing and weaving speakers. Frequency response: $20-20,000 \mathrm{~Hz} \pm 2 \mathrm{db}$. Input impedances: 100 K and 500 ohms; output approximately 500 and 10 ohms. Cannon-type connec. tors. Gain: low imped. input to low output is $0 ;$ to high output is $+22_{1}$ high imped. input to low output is -22 ; to high output is 0 . Battery operated. $21 / 2 \times 113 / 8 \times 544^{\prime \prime}$. Shpg. wt. $23 / 4 \mathrm{tb}$.
44 T 7563 Complete with battery $\$ 5$ Monthly .................. Net 52.92 99 T 6021 Exira 9 volt battery ........................................... Net 21


## SWITCHCRAFT "MINI-MIX" AUDIO MIXERS

2-input hi-impedance mixers. Record sound-on-sound. Record music direct and dub your voice at the same time. Record from 2 mikes at once. Separate gain controls for each channel allow Fading. Shlelded housing. Size: $21 /{ }^{1} \times 1^{11 K} \times 11_{0}^{\prime \prime}$. Shpg. wt., $11 / 4 \mathrm{lbs}$.
Type 310. Two $\mathbf{2}$-cond. phone jack Inputs to $\mathbf{2}$-cond. phone plug output.
24 T 8866 .................................................................................. Net 5.37
Type 311. As above but has long output plug to fit recorders with recessed jacks.

## 24 T 8867

Net 5.97
s for std.
or short phone plugs. For all Revere/ Wollensak recorders.
24 T 8851
Net 5.97
Type 320. Male mike connector inputs and female mike connector output. 24 T 8865

Net 5,37

# Microphone Stands - Booms - Connectors ATLAS MICROPHONE STANDS AND BOOMS 

MS.10C


Model MS.10C Full Grip Mike Stand. Economical mike stand featur. Ing "Full-Grip" clutch mechanism for fast quiet adjustments without slipping and wear. Functionally designed base assures maximum stability and includes self-leveling, shock-absorbing pads plus 3 "anti-tip" points. Full chrome plated tube assembly. Terminates in a $5 / \mathrm{s}^{\prime \prime}-27$ thread, Base dia, $10^{\prime \prime}$, finished in gray shrivel. Helght adj., 35 to $63^{\prime \prime}$. Shipg. wt., 10 lbs ,
44 「 1003 $\qquad$ Net 7.70
Model MS-12C. As above but heavier and tube extends to $62^{\prime \prime}$. Shpg. Wt. 412 lbs. $\qquad$ Net 8.15 Model MS. 11C. As above but with full chrome finished base. 44 T 1005 $\qquad$ Net 10.20 MS.14G. Same as above, but gold finish.
44 T 1030
Net 13.00
Model MS. 125 "Sleeve Action" Mike Stand. New mike stand featuring a fully automatic means of height adjustment. To lower the stand, just press on the "Sleeve Action" control. To raise the stand, any point on the tube can be grasped. Quiet and smooth action. Ht. 39 to $62^{\prime \prime}, 10^{\prime \prime}$ dia. gray base, chrome tube. $5 / 8^{\prime \prime}-27$ thread. Shpg. wt.t 12 lbs. 44 个 1006

Net 18.35
Model CS-32 Demountable Stand. Revolutionary In design, this mike stand is fully collapsible to fit in ampilfier or speaker-carrying case. No tools needed. Self-leveling legs are skid-proof. Features "FullGrip" and "Velvet Action." Adjustable from 36 to 64 in . Fully chrome plated. $5 / 8^{n} .27$ thread. Shpg, wt., 5 lts.
44 T1007
Net 9.35
Model CS-33. As above but with ht. adj. of $26.64^{\prime \prime}$. Collapses to $221 /{ }^{2 \prime}$ " Shpg. wt., 4 lbs.
44 T 100 :
Net 11.00

MS.25-Professional stand, featuring "Safety Air Lock Cushion." Prevents accidental shippage of telescoping section, smoothly lowers on cushion of air. Grey and chrome base. Ht. adj. From $38^{\prime \prime}$ to $67^{\prime \prime}$. Oversize chrome lubing with $5 / 8^{\prime \prime} \cdot 27$ adapter.
44 T 1028 Shpg. wt., 22 lbs. $\qquad$ Net 20.65 DS.14-Contemporary motif desk stand. Suits elongated, slim mikes, Gun metal, shrivel base with protective felt pads, $3^{\prime \prime}$ polished chrome upright tube with $5 /{ }^{\prime \prime}$ ". 27 thread.
44 T 1029 Shpg. wt., 2 lbs.
Net 3.15
Model DS-5. "Velvet Action" Desk Stand. Same quality as floor models. Base dia, $6^{\prime \prime}$. Gun metal shrivel finish. Fixed ht, $4^{\prime \prime}$. 44 I 1009 Shpg. wt., 2 lbs.

Net 2.50
Model DS-7. Like DS-5 but with ht. adj. 8 to $13^{\prime \prime}$. Shpg. wt., 3 ibs.

## 44 T 1010

Net 4.15
Model TS-8 Adjustable Stand. A decorative and fine appearing stand, suitable for use on a banquet table. Features quiet "Full Grip, Velvet Action" controi. Adjustable from $141 / 2^{\prime \prime}$ to $26^{\prime \prime}$. Base diameter $8^{\prime \prime}$ Fullv chrome-finished base and tube assembiv. Shpz, wt., 5 lbs. 44 T 1011

Net 7.65
Model BS-36. Professional boom stand. Has removable $62^{*}$ boom with gyromatic swivel joint to keep mike positioned. "Safety Alr. Lock Cushion" eliminates slippage. Super-chromed tubes adjust $48^{\circ \prime}$ to 72". Chrome and gun metal base. Shpg. wt., 36 lbs. 44 T 1012WX $\$ 5$ Monthly

Net $\mathbf{5 0 . 0 0}$
Model BS-36W. Same as above but with swivel casters. Wt., 40 tbs. 44 T 1033 WX $\$ 5$ Monthly

Net $56.70^{\circ}$
Model 8B-1 "Baby Boom" Attachment. Use with any mike stand. 32" long, $5 / 8^{\mathrm{m}} .27$ thread. Chrome plated. All swivel parts are precision die castings. Sripg. wt., $31 / 2 \mathrm{Jbs}$. 44 T 1013

Net 6.20

## FLEXO MIKESTER



Model 1. Versatile mike stand with an extremely flexible arm, providing wide range of adjustment. Swings out $36^{\prime \prime}$ in any direction. Ideal for use in radio broadcast or recording studios, offices. airport, switchboard, theatres, night clubs. schools, hotels. Handles any mike up to 4 lbs in weight. Clamps or screws to any horizontal or angular surface up to $3^{\prime \prime}$ thick. Shpg. wt., $43 / 4 \mathrm{lbs}$.
44 T 1014
Net 10.75

## FLEXIBLE GOOSE NECKS

Model GN-13 Goose Neck. $13^{-1}$ long for com. plete adjustment of mike $5 / 8^{*} .27$ thread. Chrome finish. Shog. wi., 1 lb .
4411026 $\qquad$ Net 2.00
Model GN-19. As GN-13 but $19^{\prime \prime}$ long. Shpg wt., $11 / 2$ lbs.
44 T 1027 $\qquad$ Net 2.85

## ATLAS 3-LEGGED STANDS

MODEL CS-52. Handsome, slim, low proflle $15^{\prime \prime}$ gray base with chrome tube. Height adjusts from 34 to $62^{\prime \prime}$. Shpg. wt.. 9 lbs.

## 44 T 1031

MODEL CS-42. Illustrated collapsed, Similar in design to above, but with $16^{\prime \prime}$ collapsible base for easiep portability. Shog. wt., 9 lbs.
44 T 1032
Net 10.20

Mike Flanges And Extension Rods. For neat and perma. nent mounting. Fits $5 / /^{\prime \prime}-27$ mikes. Base dia., $11 / a^{\prime \prime}, 3$ mounting holes with 7/8" mounting centers. Extension rods, male on both ends. Av. shpg. wt., 6 azs.

## 44 I 1095 AD. 12 Male Flange <br> 44 T 1016 AD-11 Female Flange 44 T 1017 AD. $86^{*}$ Ext. Rod

$\qquad$ Net . 73 Net .73 Mike Adapters. For adapting special fittings. Wt., 2 oz . AD-1 $5 / 8^{\prime \prime}-27$ female to $1 / 2^{\prime \prime}$ male thread (RCA) 44 T 1018
$A D-21 / 8^{\circ}$ femate pipe to $5 / 8^{\prime \prime}-27$ male Net .70 44 Y 1019 Net .50 AD-3 $1 / 8^{-}$female pipe to $5 / 8^{\prime \prime}-27$ female $\begin{array}{cc}44 \text { T } 1020 \\ A D-4 / 4^{*} \\ \text { long } 5 / 8^{*}-27 & \text { male running thread }\end{array}$ 44 T 1021 $\qquad$ Net . 53
$\qquad$ AD. 5 5/8"-27 female to $5 / 8^{\prime \prime} .27$ female coupling 44 T 1022 Net 53 AD-10 $5 / 8^{\sim-24}$ female to $5 / 8^{*-}-27$ female (W.E. Adapter) 44 T 1023 Net 1.10 Model SW-1 Gyromatic Swlvel. Permits any mike to be locked at any dngle. $5 / 8^{\prime \prime}-27$ thread, $41 / 2^{\prime \prime}$ long. 44 T 1024 Shpg, wt., $11 / 2$ los.

Net 3.85 Model SO-1 "Snap-On" Mike Attachment. Quick and safe. For all mikes and stands. Two "Snap-On" sections. 44 T 1025 Shpg. wt., 1 lb . Net 2.15 Model LO-2 "Lock-On" for quick disconnect of mike from stand. Posftive lock when on stand, push button release. Shpg. wt., 402.


ATLAS MICROPHONE ACCESBORIES



## LAFAYETTE'S REVOLUTIONARY "DCD" DUAL CARTRIDGE HI-FI DYNAMIC

- Wide-range Frequency Coverage by 2 Independent Cartridges
- Quick Adaption for Floor Stand or Hand-Held Use Lafayette's "OCD" high impedance (50K ohms) dynamic incorporates a new engineering concept designed to overcome the limitations on high quallty wide frequency response imposed by ordinary single cartridge microphones. The "DCD" has 2 independent cartridges, one each for the-high and low frequency ranges in a carefully engineered acoustic design, Response is 50 to $15,000 \mathrm{~Hz}$. Output is - 56 db . Pattern is omnidirectional. Has non.inductive transformer to eliminate effects of extemal alternating fields. On.Off slide switch. Die cast body is finished in satin-black and gleaming chrome, Black metal desk stand. Comes with adapter for mtg. on desk stand or floor stand and $54^{\prime \prime}$ delachable cable. Sizes: mike $61 / 8 L \times 11 / 4{ }^{\prime \prime} 0 . D$.; base $41 / 2^{\prime \prime}$ diam, Imported. Shpg. Wt., 4 lbs. 99 T 4597

Net 19.95

## SLIM OMNIDIRECTIONAL DYNAMIC

- Dual Impedance
- Ruggedly Constructed
- Tiltable Head

An attractive dynamic microphone for use on any standard $5 / 3^{4 \prime}-27$ stand. Has wide frequency response of $100-10,000 \mathrm{~Hz}$. Output is - 57 db . Dual impedance: (High 50K: Low 250 ohms) selectable at cable, Pattern is omnidirectional. This is an ideal general purpose mike for entertainment groups. Mike may be tilted at any angle thru a $90^{\circ}$ vertical arc. Has on-off switch. Die cast case is finished In satin-silver. 18 ft . detachable cord with mike connects at one end. Length $9^{\prime \prime}$. diam. of head $13 / \mathrm{B}^{\prime \prime}$. Imported, Shpg. wt., 3 lbs. 99 T 4593

Net 11.95

## LAFAYETTE DUAL IMPEDANCE DYNAMIC MIKE

- Designed Specifically for High Quality PA Applications
- Omni-directional Pattern at all Frequencies A superb dual impedance, omnl-directional Dynamic mierophone. Designed for high qualitv PA apolications. Superior anti-feedback properties. Allows close talking without boom or bass accentuation. Features pop-proof wire mesh grille. Special filter minimizes wind effect. Attractive chrome plated frame of modern design. Eauipoed with on off switch. Freq. Response $100 \cdot 10,000 \mathrm{~Hz}$. Sensitivily: -58 db at 30K. Mylar diaphragm for "pop" and "blast" proofing. Dual impedance: may be shifted from high impedance to 250 ohm low impedance by means of a cable connection, Mike tiltable thru $90^{\circ}$ arc. For all standard $5 / 80^{"-27}$ stands. Size: $7 \frac{1}{4} L \times 11 / 2$ Dia. With 20 ft . detachable cable with mike plug at one end. Imported. 99 T 4546 Shpg. wt., 2 lbs ,

Net 11.95

## LAFAYETTE MODERN DYNAMIC

## - Dual Impedance

- Omni-directional

A lightweight non-directional dual impedance: (HIgh 50K; Low 250 ohms) selectable at cable with a fine resoonse of $100-10,000$ herta. Output -60 db . For use either as hand held or on any standard $5 /{ }^{\prime \prime}-27$ desk or floor stand. Adaoter supplied. Has 20 ft . detachable cable with mike plug. On-off slide switch. Tapered metal case finished in satin-black and aluminum. Size: 7Lx13/8" diam. Wire mesh grille for protection against "pop" or wind blast. 99 T 4603 (less stand). Imported. Shpg, wt., 2 lbs. ............ Net 9.95 Heavy metal desk stand for above. Diam. $334^{\prime \prime}$. Shpg. wt., 2 lbs. 99 T 4599 Net 1.49

## LAFAYETTE DELUXE BALL DYNAMIC

## - Dual Impedance

- For High Quality PA and Recording
- Complete with Stand

The most modern design features dual impedance: high (50K ohms) or low (250 ohms) selectable at cable end. Pattern is omnidirectional. Outout at high impedance is - 59 db . Frequency response Is $100 \cdot 10,000 \mathrm{~Hz}$. Has on-off switch. Ball screen insures against "pop" and wind blast. Die cast case is 61/4" long. Max. diam. of ball $2^{2 / 8}$ ". Finished in satin aluminum. 6 ft . detachable cable with mike plug at one end. With black metal desk stand and adapter for anv standard $5 /$ /a $^{\prime \prime}-27$ stand. An excellent general purpose mike. 99 T 4598 imported. Shpg, wt., 2 lbs,

Net 13.95

## Dynamic Microphones

## LAFAYETTE GENERAL PURPOSE DYNAMIC MICROPHONE

- A Hi-Fidelity Cardioid Microphone
For Recording, Radio Broadcasting, 1095

A high quality uni-directional dynamic microphone. Beautifully styled in a chrome-plated die cast frame that is equipped with an on-olf switch. Specificaily designed for recording, radio broadcasting, and public address applications. Features a "pop-proof" and "blastproof' mylar diaphragm, and superior anti-feedback preperties. Frequency response $100-10,000 \mathrm{Mz}$. Mike is tiltable. Dual impedance: ( 50 K and 250 ohms selected at cable). Output - 58 db . Complete with 20 ft . detachable cable with mike connector. For ail standard $5 / 8^{-}-27$ stands. Size: $31 / 2^{*} \mathrm{H} \times 23 / 0^{-D} \times 13 / 4^{-W}$. Imported. Wt. 2 lbs .
 99 T 4545 $\mathrm{N}=\mathrm{t} 10.95$

## LAFAYETTE PA DYNAMIC MICROPHONE <br> - Press-to-Talk <br> - Integral Desk Stand <br> - Dual Impedance

Ideal for public address work. Integral desk stand has press-to-talk switch with optional locking feature. Dual impedance: 50 K ohms and 250 ohms. Dynamic with omni-directional pattern, output of -60 db and frequency response of $50 \cdot 9,000 \mathrm{Mz}$. Metallic green finish. 7 ft cable. Size: $71 / \mathrm{BH}$; base $51 / 2 \mathrm{D} \times$ $37 / \mathrm{m}^{-W}$. Imported. Shipg. wt., $41 / 2$ los. 99 T 4609

Net 12.95

## LAFAYETTE DYNAMIC MICROPHONE

- Dual Impedance

Feather-light, weighing onty a few ounces, but a heavywelight in performance, this dynamic microphone may be hand-heid or mounted on the desk stand supplied. Both microphone and stand are gleaming brushed aluminum. Case is die-cast. Omni-directional pattern. Dual impedance ( 50 K and 250 ohms) with output of - 55 db . Fine frequency response $100-10,000 \mathrm{~Hz}$. Tapered for easy handling. Size: $41 / 2^{\prime \prime} \mathrm{L} \times 17 / \mathrm{a}^{\prime \prime}$ max. diam. Streamlined base $43^{\prime \prime} \mathrm{L} \times 3^{\prime \prime}$ max. W. Complete with 5 ft . detachable cord and connector. Imported. Shpg. wt., 2 lbs. 99 T 4591

Net 8.95

## LAFAYETTE PA DYNAMIC

An excellent general purpose dynamic mic. rophone for PA and paging, etc. Designed for flexibility in use, it may be hand-held, mounted on any $5^{5}{ }^{* *}-27$ stand or on lavalier cord. Frequency range $100 \cdot 15.000 \mathrm{~Hz}$. output - 56 db , high impedance ( 50 K ohms). Omnidirectional pickup pattern. Has on-off slide switch. Tapered body size $61 / a^{\omega}$ long, max. O.D. $11 / /^{\prime \prime}$. Complete with 7 ft . $9^{\prime \prime}$ detachable cable with mike connector, adapter for stand mounting and lavaller cord. Imported. Shpg. wt., 3 lbs.
99 T 4594
Net 7.95

## LAFAYETTE 3-WAY DYNAMIC

Uni-directional microphone has cardlod pattern. Excellent for general use wherever feedback or unwanted pickup is a factor. May be hand-held, slipped into its own desk stand or used on lavalier cord. Frequency response $200-10,000 \mathrm{~Hz}$, output -61 db . High impedance ( 50 K ohms) Case is high Impact plastic finished in blue and gray. Chrome plated desk stand. Really "Flyweight" mike measures only 35/'Lx1" max. diam. Complete with 5 ft , cord, stand and lavalier cord. Imported. Shpg. wt., $11 / 2 \mathrm{lb}$. 99 T 4585

Net 6.95

## LAFAYETTE HEAVY DUTY DYNAMIC

## New Low Price <br> was 12.95

- $100-10,000 \mathrm{~Hz}$
- High Output

An especially rugged dynamic microphone featuring a wide response of $100-10,000 \mathrm{~Hz}$ and output of -55 db . Migh Impedance ( 50 K ohms). Omnidirectional pattern. On off slide switch. Very heavy die cast case. Finished in satin chrome. Mounts on any standard $5 / 8^{* *}-27$ stand. Size: $4^{* * H} 1 \times 1$. With 18 ft . detachable cable with mike plug on one end. Imported. Shpg. wt., 3 tbs. 99 T 4590

Net 9.95


A fine quallity general purpose dynamic microphone. Dual impedance selectable at cable end: high ( 50 K ohms) or low ( 600 ohms ) Frequency response $100 \cdot 10,000 \mathrm{~Hz}$ with high impedance. Output of - 58 db . Omnidirec. tional pickup pattern of $325^{\circ}$. Mas on-off sllde switch. Die cast, chrome plated case. Mike case measures $5^{\prime} 2 \times 2^{\prime \prime} H \times z^{\prime}$. Complete with 20 ft . detachable cable with mike con. nector. For all standard $5 / 4=27$ stands. Imported. Shpg. wt., 3 lbs.
99 T 4581
Net 8.95

## LAFAYETTE VERTICAL DYNAMIC MICROPHONE 695 <br> - Ideal For Tape Recording and P.A. <br> - Smooth Omnidirectional Sound Pickup

A highly versatile studio-type dynamic microphone which is equally at home with the tape recordist and public address sound systems. Lightweight, it can be mounted on any standard $5 / 8^{-}-27$ stand. Mas omni-direc. tional polar pattern. Frequency response: $100-10,000$ hertz. High output, -54 db . Impedance. 50,000 ohms. Smart, durable chrome finish, with silver grey screen. Complete with self-adjusting swivel, standard $5 / 8^{*}-27$ stand thread and non-detachable 5 ft . cable. Dimensions: $5^{\mathrm{n}} \mathrm{Hx} 11 / 2 \mathrm{WW}$. Imported. Shpg. wt., $11 / 2$ lbs.
99 T 4559
Net 6.95

# SRLAFAYETTE <br> MICROPHONES 

## 4-WAY SLIM CRYSTAL MICROPHONE



Designed for every possible type of mounting, this slim mike may
be hand-held, mounted on the desk stand, used as a chest mike with the lavalier cord and bracket, or mounted on any standard $5 / 8^{\prime \prime}-27$ floor or desk stand with adapter supplied. Good clean reproduction. Frequency response $50-9,000 \mathrm{~Hz}$. Output, - 65 db . Equipped with on-off switch which may be used as press-to-talk or locked into "on" position. Brushed aluminum body is 5" long with 54" cord. Black oval base is $37 \mathrm{~V}^{\prime \prime} \mathrm{L} \times 21 / 2^{\prime \prime} \mathrm{W}$. Imported. Shpg. wt., 2 lbs.

## 99 T4587

## LAFAYETTE QUALITY CRYSTAL MICROPHONE

## LAFAYETTE TINY DYNAMIC MIKE

Here is a microphone with a $360^{\circ}$ pichup, and the added power and sensitivity of two individually shock mounted and phased crystal cartridges. This arrangement assures you of maximum pickup from all sides. Output - 52 db . Swivel mounted to give fuller flexibility. Case is chrome piated. Standard $5 / 8^{\prime \prime}-27$ thread. Overalf size $7 H \times$ $3^{\prime \prime W}$ complete with $4^{\circ}$ cable. Imported.
99 T 4511 Shpg. wt., 2 lbs.
Net 4.95
LAPEL MICROPHONE


Exceltemt for PA systems, home recorders and general applications. Frequency response 50 to 10,000 Hertz. Output level - 52 db provides ample output for use with low gain amplifiers. Uses quality moisture sealed crystal; Die cast case in rich green baked enamel finish, with chrome grill. Completely equipped with 5 feet of shieided cable, Mike may be used on any stand with $5 /{ }^{-\prime}-27$ thread. Grill diameter $23 / 4^{\prime \prime}$. depth $41 / 4^{\prime \prime}$, height $41 / 2^{\prime \prime}$. Imported. Shpg. wt., $31 / 2$ lbs.
99 T 4512
Net 3.95

## GENERAL PURPOSE MIKE



- May Be Hand-Held or Suspended By Lavalier Cord
A crystal microphone for use either as a hand-held or as a breast mike. Silver colored lavalier metal chain and holding bracket. Good frequency response with an output of -53 db . Aluminum alloy case with black baked finish and silver screen. $6^{\circ}$ cord. $2 \mathrm{~K},{ }^{\prime \prime} \mathrm{L} \times 13 \mathrm{~K}^{\prime \prime}$ max. diam.i convenient to hold. Shpg. wt., $11 / 2 \mathrm{lbs}$. Imported.
99 T 4595

- Die Cast Case



## - For Solid State Recorders

This is an excellent quality dynamic microphone which may be set on table or desk top or hand held by simply slipping off the prop stand. Impedance is 600 ohms and is designed for use with solid-state recorders requiring relatively low impedance dynamic microphones for proper performance. Used with many Lafayette recorders. Size is $31 / 4 \mathrm{~L} \times 3 / 4 \times \mathrm{D}$. Supplied with 5 ft . of cable terminating in standard phone plug. Imported. Shpg. wt., 80 oz . 99 T 4630 ........................................ Net 5.95

## TINY CRYSTAL MIKE



An attractive, specially engineered general purpose crystal mike for desk-top or handheld use. Excellent frequency response. Output level - 5 55db. Only $15 / \mathrm{m}^{\mathrm{c}}$ In diameter. Includes $5 . \mathrm{ft}$. of shlelded cable for connection to tape recorders, public address amplifiers and radios. Chrome plated stand. Imported. Shpg. wt., $11 / 4$ lbs.
99 T 4543
Net 1.95


A sensitive general purpose crystal micro. phone designed to aftach to your lapel for situations requiring both mobility and the full use of both hands. Onty $15 / 8=$ in diameter. Excellent frequency response. Output level - 55 db . Chrome plated case and clip for attaching to lapel. Includes 5 ft . shielded cable. Imported. Shpg, wt., 1 lb.
99 T 4510
Net 1.95

## LAFAYETTE DYNAMIC PA MICROPHONE W/SWITCH


-300-2500 cps Frequency Response

- Push-to-talk Switch
- Ideal for Solid State Pa Amplifiers


## $3^{9}$ <br> 95

The perfect companion microphone to the "Tiny Mite" mobile PA amplifier. Features a high impact styrol case, hang.up clip and flexible single conductor shielded cable. Omnidirectional pattern mike has output impedance of 300 ohms and output level of -73 db at 1000 cps. Frequency Response: $300-2500$ cDS. Grey and black case, with push-to-talk switch. Imported. Shpg. wt., 1 lb .
99 T 4577
Net 3.95

## LAFAYETTE C.B. base station MICROPHONES

1195 $9^{95}$ Ceramic

## CERAMIC MICROPHONE

 For tube-type CB transceivers. Efficient, attractive, high impedance ceramic microphone. Ideal as desk mike for CB base station. With convenient push-to-talk button plus lock switch for prolonged transmission. 3 conductors plus shield for normal relay or electronic switehing. For Lafayette as well as other tube type CB iransceivers. $3 \mathrm{y} / 4 \mathrm{x}$ $53 / 4 \times 73 / 4 \mathrm{H}$. Imported. Shpg. wt., $11 / 2 \mathrm{lbs}$. 99 r 4607
## DYNAMIC MICROPHONE

Same configuration as above but has dynamic element. Low impedance for use with transistorized CB equidment. Size and height the same. Shpg. wt., $11 / 2$ lbs.

## 99 T 4608

 Net 11.95
## LAFAYETTE DYNAMIC MIKE

- For Use With Low Impedance Solid State Transceivers
Super efficient low impedance dynamic microphone. Housed in attractive, professionally styled, gray and black, high-impact plastic case. Fits snugly in paim of hand. Coiled cord consists of 3 conductors plus shield and terminates in 4 prong miniature plug. Wired for relay switching. Fits chassis socket of many Lafayette Transceivers. Size: $35 / 9 \times 23 / 5 \times 11 / 4^{\text {c. }}$. Imported. 99 T 4618 Shpg. wt., I ib. $\qquad$ Net 5.95



## LAFAYETTE "MITY MITE" CB CERAMIC MICROPHONE

- The Little "Mity-Mite" With Sock!
- High Impedance, High Output
Expertly designed and professionally styled for real performance. Fits snugly in palm of hand for effortiess operation, features a "Long Life", ceramic element, high-impact plastic case. 4 ft . colled cord. Three conductors plus shield connected for electronie switching. Includes instruc. tion sheet for conversion to relay switching. For all high Impedance input CB transceivers (tube type). $1 \times 11 / 4 \times 31 / 4^{*}$. Imported. Shpg. wt, 8 oz. 99 I 4579



## As Low As $24^{95}$

CB CRADLE HAND SET

- Attach To Side Of Transceiver or To Car Dashboard


Modernize your present fixed or mobile CB station with these telephone style handse ts. Attaches to dashboard, side of unit or wall of fixed station. Switch in the cradie automatically disconnects the speaker when the handset is lifted. The microphone is activated by means of a push-bar, push-to-talk switch. Ideal for use in heavy traffic, loud background noise area, at home or in the office for privacy. Shpg. wt., 2 lbs.
For Solid State Transceivers 42 Y 6503

Net 24.95 For Tube-Type Transceivers
42 T 6504
Net 24.95
(SEE PAGE 481 FOR ACCESSORIES REQUIRED FOR DIRECT CONNECTION OF HANDSET TO LAFAYETTE SOLID STATE AND TUBE-TYPE TRANSCEIVERS.)

## A. MINIATURE DYNAMIC MIKE

Rugged-metal encased to resist mechanical shoct and variations in heat and humidity. Measures only 1 h/ ${ }^{\circ}$ dla, x 5/16" thick. High sensitivity in the voice range. frequency response 300 to 5000 cps. 600 ohm Impedance. Output - 73 db. Includes $4^{*}$ flexibls tead terminals. Imported. 4 ors.

## 9914527

## B. MINIATURE CRYSTAL

This extremely sensitive and small crystal microphore may be used as a replacement In hearing ajds and other small apparatus. May be jsed as a lapel microphone. Slize is $1 K_{4} \mathrm{D} . \mathrm{K}_{4}$ " deep. Imported. Shpg. wt., 6 oz
99 T450s

(D)

## BOOM MIKE/HEADSET

- Frees hands for Safe Driving
- Adjustable long-reaching Boom

Perfect answer to your CB and Ham moblle needs. For use with VOx or foot switch for transmit-receive changeover. Lightweight and comfortable with 8 ohm earphone. Crystal mike for high output and full modulation. Boom and headband adjusts to individual preference. Mike mounted on swivel. Finished in chrome and two tone plaslic. With 5 ft ., 4 conductor cable. Imported. Shpg. wt., 1 lbs. 99 T 2565 Net 3.98

## LAFAYETTE MINIATURE MIKES \& CARTRIDGES

## LAFAYETTE ALL-METAL CB CERAMIC MICROPHONE

- Chrome Plated - High Output - 5 Ft. Coiled Cord

This highly dependable performer with durable metal case that fits snugly in the palm of the hand; resists abuse of tough mobile operating conditions. The 3 -conductor plus shield coiled cord is permanently attached for minimum wear. Hang-up button for mobile mounting. Wired for electronic switching, with instruction for conversion to relay switching. For tube-type $C B$ equipment. Imported. Shpg. wt., 1 lb . 99 T 4562 Net 6.95


## NOISE CANCELLING CB MIKE

- Push-to-Talk
- Retractile Coiled Cord

A high output (-48db) low noise cardiold pattern PTI ceramic mike excelient for mobile and base applications. Rugged high impact cycolac dark grey case with 3 conductors (one conductor shielded). Frequency response $300-3000 \mathrm{~Hz}$. For use with tubetype CB equipment. With hangup clip. Less plug. Shpg. wi., 1 lb .
44 Y 4501
Net 5.50


C. SUBMINIATURE CRYSTAL MICROPHONE An extnemely sensitive and small crystal microphone similar to the round types but for replacement use in hearing alds where a rectangular shape is required. Measures: 13 xlx $1 / 4^{\prime \prime}$ deep. Imported. Shpg. wt., 402. 99 T 4518

Net 1.19

## o. caystal cartridge

Crystal microphone cartridge with heavy flexible rubber cushioned rim designed for speedy, economical repali. Replacement for Astatic, Shure, and many other popular microphones. Overall diameter $2^{\prime \prime}$, depth $1 / 2^{\prime \prime}$. Output - 52 db . Excellent fréquency response. Imported. Shpg. wt., 8 ozs.


## LAFAYETTE PROFESSIONAL DYNAMIC (A)

\author{

- Specially Designed for Transistorized Recorders
}

Recommended for all high quality recorders and particularly solidstate units. Has a wide frequency response of $80 \cdot 15,000 \mathrm{~Hz} \mathrm{High}$ impedance ( 10 K ohms ) with an output of - 65 db . Die cast satin-black body with aluminum trim. Slim tapering design. May be hand-held, used on desk stand supplied or mounted in any $5 \operatorname{san}^{\prime \prime}-27$ stand. Black stand with aluminum trim. Mike is $51 / 2^{\circ} \mathrm{Lx1}^{\prime \prime}$ dia, with 8 ft . attached cord and plug. Stand is $44 / 6 \times 2 \frac{1}{2 \prime \prime}$. Imported. Shpg. wt., 2 lbs. 99 T 4588

Net 14.95

## LAFAYETTE DELUXE DYNAMIC (B)

For fine recording and general use, this slim beauty may be handheld, placed on its own desk stand, used as a lavalier mike or mounted on any standard $5 / 8^{\prime \prime}-27$ stand. Omnidirectional pattern gives wide coverage. Wide range response from 100 to $10,000 \mathrm{~Hz}$. Dual impedance: 50 K and 250 Ohms. Output 64 db . All metal. Die case base and mike finished in handsome satin-chrome. 5 ft . cable. Mike only $37 / a^{\prime \prime} \mathrm{L} \times 3 / 4^{\prime \prime}$ diam. Stand $35 / \mathrm{m}^{\prime \prime} \times 2^{1 / \mathrm{g}^{\prime \prime}}$ with stand, lavallei cord and bracket and stand adapter. Imported. Shpg. wt., 2 Ibs. 99 T 4592

## LAFAYETTE STANDARD DYNAMIC (C)

An outstanding value, this featherweight dynamic microphone is attractively styled in a tapering design, and finished in handsomely contrasting black with aluminum trim. It may be hand-held or used on the small desk stand supplled. The omni-directional pattern picks up sounds from all sides. Assures wide coverage. Impedance is 10,000 ohms. Frequency Response is 70 to $9000 \mathrm{~Hz} \pm 7 \mathrm{db}$ and the output is -67 db . Has a built-in on-off switch. Comes complete with 6 ft . cord with standard plug. Size: 61/4Lx7/8" diam. Imported. 99 T 4616 Shpg. wt., 2 lbs.

Net 5.95

## LAFAYETTE VOICE-ACTUATED <br> MICROPHONE (D)

## - Also Operates As Remote Control Dynamic Microphone

Allows a transistorized portable tape recorder to start automatically when sound is picked up by the microphone and stop a few seconds after the sound stops. Designed for recorders having a "Remote" jack for remote Start/Stop switch equipped microphone. Has electronically controlled relay, 3 position switch for voice Controi-OffRemote. Threshold sensitivity control adjustable for varying noise level locations. In "Remote", position, it operates as a dynamic microphone with remote control switch. Complete with cord, plugs, and instructions. With 9V battery. Imported. Shpg. wt., 1 ib. 99 T 4604 (With Battery) Net 14.95 99 T 6021 9V Battery For Above $\qquad$ Net .21

## DELUXE GUITAR MICROPHONE

 Individual String Controls 2 Pickups - Tone Control 2 volume Controls

## GUITAR MICROPHONE

- Volume and Tone Controls

High impedance contact-type micro. phone specially designed for use with guitar. Easily mounted under strings without special attachments. Sepa. rate variable tone and volume controls permit wide adjustment to suit personal requirements. While in mounted position, microphone unit can be raised or lowered easily on rod, to create varying tonal effects. Supplied with 8 ft . cable and attached standard size phone plug for connection to amplifier. All metal; finished in bright nickel, for $F$ hole guitars. Imported. Shpg. wt., $21 / 2 \mathrm{lbs}$. 99 T 4517 $\qquad$ Net 6.95 This unusual microphone gives the utmost in versatility of tonal effects. Each of the 2 sensitive magnetic pickups has 6 adjustable heads so you may vary the power of each individual string. Each pickup has its own separate volume control. Combining these with the overall tone control, makes available an almost infinite adjustment of sound for any requirement. Comes complete with 6 ft . removable cord with mike plug at one end and standard phone plug for amplifier at other. For $F$ hole gultars. Size: $101 / 2^{\prime \prime}$ long. With bracket and mounting accessories. imparted. Shpg. wt., 3 ibs.
99 T 4583

## ROUND <br> ROUND HOLE GUITAR MICROPHONE



For use with Spanish guitar, ukeleles or other round hole instruments. Magnetic type pickup is entirely cased in metal with bright nickel finish. It has separate tone and volume controls. 8 ft . detachable cord has plug on one end to fit mike, and standard phone plug at other for amplifier. $71 / \mathrm{s}=$ long. Simple to mount; just insert supports in hole, spread and tighten screw. Imported. Shpg. wt., 2 lbs.
99 ' 4537
Net 5.95

## LAFAYETTE ACCORDION MICROPHONE



## - Volume and Tone Controls

Now accordian owners may enjoy all the advantages of electronic amplification previously limited to stringed instruments. It provides a direct pickup for tape recording, eliminating the extraneous noise picked up by a conventional microphone. Included are a case-mounted control bracket containing the volume and tone controls, an output jack, a 10 foot connecting cable complete with phono plugs on both ends, and backstrap. Imported. Shpg. wt., 2 lbs. 99 T 452 A

Net 6.95


Easily attached to all stringed instruments. Provides rich reproduction. Clamp slips undeI sounding board cutout. With 8 ft . cable. $13 / \mathrm{m}^{\prime \prime}$ long. Avallable with or without volume control. Imported. Shog. wt., 1202.
99 T 4575 Less volume control. $\qquad$ 99 I 4576 With volume control $\qquad$ Net 1.89


This is a fine quality, sensitive, crystal contact microphone with a high output that is especially designed to fit harmonicas. Installation is simple. It is sturdily built and measures only $1 \%$ Lx $5 / 5 \mathrm{~F} \times \mathrm{F}$ D. Complete with 7 ft. shielded cable. Imported. Shpg. wt., 1202.
99 T 4516


MODEL 254C
Attractive ceramic microphone with DPDT push-to-talk switch plus lock switch for fixed station operation-either relay or elec. tronic switching. 7 foot 3 conductor (one shielded) stralght cable. Response 80.7000 Hz . Output level - 54 db . Gray hammertone finish with chrome trim. $73 / 4 \times 37 / 2 \times 51 / 4$ " base. Shpg. wt., 3 lbs.
44 T 7003
Net 17.05
Crystal version with output of -48 db . 44 T 7010

MDOEL 254X
Net 17.05
MODEL 454C
Single side band ceramic mike that is ideal for hams. Output level of -52 db . Frequen. cy response $300 \cdot 3000 \mathrm{~Hz}$. Push-to-talk front bar plus locking switch gives choice of PTY or continuous VOX operation. For electronic or relay switching. Complete with colled cord that extends to 5 ft . Size $7 \mathbf{7 / 4} \mathrm{H} \times 5 \mathrm{y} / \mathbf{4}^{\prime \prime}$ deep. Shpg. wt., 3 lbs.
44 T 7001
Net 18.82
MOOEL 454X
Same as above but erystal with output of $-48 \mathrm{db}$
44 T 7004
Net 18.82



MODEL 350C

Ideal for CB use. A rugged push-to-talk ceramic microatone wired for relay operation. Extra-tough polystyrene case; hanger button and standard dash bracket are included. Also meoprene coiled cord, 11 inch retracted. 5 -ft extended. Output, - 54 db . Response, $80-7000 \mathrm{~Hz}$. Dark grey finish. Shpg. wt., 1 lb.
44 T 7002
Net 8.82

Mobile ceramic microphone with handy grip-to-talk switch. Comfortable to hold, comfortable to use. Features an output level of -50 db . Frequency response 80.7000 Hz Jough plastic case. Complete with 5 ft . coiled cord. shog. wt., 1 lb.
44 T 7005
Net 8.82

## MODEL 2800

High impedance, dynamic, tape recorder microphone witt desk stand/lavalier. 12 ft . cable with plug. Frequency $40-15,000 \quad \mathrm{~Hz}$; output - 63 . Modern styling for console, desk, and cassette recorders. Shipg. wt., 2 lbs. 44 T'7024


CARTRIDGE

MODEL 700 Cardioid Oynamic
Cardioid pick-up pattern rejects unwanted sounds from rear and sides. For hand or on stand used by combos and singers. Four stage anti-hiss-pop blast filter. Combination Hf or 150 ohm . Works with any ampllfier. $70-15,000$ response. Output - 55 db . Die cast case; satin chrome finish. Professional model with 4 -pin connector, has 20 ft . cable and stand adapter. Shps. wt., 3 lbs. 44 T $7022 \$ 5$ monthly

Net 54.10 MODEL 600 DYMAMIC
Highly directional cardioid pattern rejects background noise-no feedback "howl." For hand-held or stand use. Response 50. $15,000 \mathrm{~Hz}$; output - 55 db . High Impedance. Die cast case. Size: $6 \times 15 \mathrm{~s}^{\prime \prime}$ Diam. With onoff switch, stand adapter and 12 ft cable. Shpg. wt., 3 tbs.
44 T 7017 \$5 monthly
Net 34.99

## REPLACEMENT CARTRIDGES

Crystal for Models 254. 255, 256, 350X, 60X, 162. 166, BX, CX, SR20X, 15X, 35X. 44 T 700 B

Net 3.1
Ceramic interior for 254C, 350C, 356C, BX, CX, 20X, SR-20X, 166, 807, SR807.
44 T 7009
Net 3.81

## C.B. MIKES WITH BUILT-IN 2 TRANSISTOR PREAMPS

" $M+2 /$ U" MOBILE MIKE increases signal strength and range. Frequency $300 \cdot 3000 \mathrm{~Hz}$. Preamp has volume control on rear to adjust modulation for best performance. Complete with battery, dash bracket and 5 ft . colled cord. For sets with relay switching.
44 T 7018
Net 23.23
Same for electronic switching
44 T 7019
Net 23.23

NEW!
"+ 350"
TRANSISTORIZEO
C.B. MICROPHONE
$20^{58}$


Transistorized, dynamic, mobile, push-to-talk mike. Silicon transistors used for maximum dependability. Ideal replacement for carbon mikes-will improve intelligibility and provide consistent modulation. Response 300 5000 Hz ; -40 db at .2 volts DC using 600 ohm load. 5 foot, 3 conductor ( 1 shielded) coiled cord. Dark gray case. For relay switchIng. Shpg. wt., 2 lb.
44 T 7025
Net 20.58


Small. mobile, push-to-talk ceramic micro. phone reduces size and weight to a minimum to match new, small solid state sets. Also recommended for portable P.A. applications. Rugged cycolac case and heavy duty 5 ft . coiled cord. Response is $300-3000 \mathrm{~Hz}$. Output is -54 db . Wired for relay switching. 44 T 7026 Sipg. wt., 1 lb ..... Net 8.82 Model 1360. Same but electronic switching. 44 T 7027 Net 8.82
44 T 7016 Shpg. wt., 4 lbs.

" +2 " BASE STATION MIKE increases signal strength and range! Frequency response of $300-3500 \mathrm{~Hz}$. Push-to-talk bar with locking switch permits normal PTT operation or VOX. Works with all sets-Retay or Electronic switching! 3 conductor, 1 shield blue colled cord. Finished in blue and chrome. Output impedance 5000 ohms. Battery included.

Net 32.34


## KINEMATIX "IMP II" FM WIRELESS MIKE

A transistorized FM thansmitter and microphone, so small it can be carried in a shirt pocket yet transmits up to 200 feet with perfect clarity to any $88-108 \mathrm{MHz}$ FM receiver, Ideal for performers, speakers, etc. Frees performers' hands and permits them to move about the stage unhampered by wires. Has hundreds of practl. cal uses-for theatrical and TV productions, PA systems, plant inventory, babysitter guard against prowlers, survey work and many other applications requiring remote sound pick-up without bothersome wires. Approved by FCE. Comes complete with leather case and built-in super-sensitive pin-head mike. Atso has input for any low impedance ( 1000 ohms) mike. Tunable between $88-108 \mathrm{MHz}_{\mathrm{M}}$. Freq. response 30 $20,000 \mathrm{~Hz}$. Size $3 \times 12 / 4 \times 23 / 4^{\prime \prime}$. Requires 1 battery (listed belaw). Shpg. wt., 1 lb . 44 T 4301L Model IMPII/M-222

Net 29.95 32 T 4671 Battery for above units. Phg. of 2, Shing. wt., 2 oz

- Transmits Clearly Up to 200 Ft .
- Can Be Used With Any 88 - 108 MHz FM Tuner, FM Radio, FM Portable, FM Auto Radio
- Compact-Fits Into Shirt Pocket

Battery operated. 2 stage remote amplifier with silicon transistors. Use with low impedance microphones and very long lines for high level to help overcome noise. Allows combining many microphones into single input. Interstage control gives up to 50 db gain. Matching transformer with 600 and 150 ohms output. Distortion less than $1 \%$ at 1000 Hz at maximum rated output of - 5 dbm. On-off switch. May be clipped on stand or wall mourfted, 3 conductor shielded cable. Aluminum case $2^{\prime \prime} \times 37 / a^{\prime \prime}$. Shpg. wt. 2 lbs.
44 T 7028 with Battery 32 T 4807 Extra Battery

FCC Type-Approval
Number WM 201

Net 26.46
Net .48


# Electra-Vörce Popular Microophones 



## 664 VARIABLE " 0 " <br> CARDIOID DYNAMIC

A cardioid Variable "D" (variable distance) microphone designed for top quality PA applications. Cardioid pattern provides a significant front-to-back signal ratio to suppress nolse, reverberations and feedback. Allows close talking without booming base, air blasts or distortion. Non-metallic diaphragm is shieided against dust and magnetic particles. Resistant to extreme conditions of humidity, temperature and vibration. Response 60:$15,000 \mathrm{~Hz}$. Output level-58db. High impedance easily lowered to 150 ohms without tools. Standard $5 \mathbf{s}^{\prime \prime}-27$ thread. Satin chrome finished die.cast case, with ON-OFF switch and 15 ft 2 conductor shielded cable. $17 / \mathrm{m}^{-3}$ dia. $714 /{ }^{-}$long. Shpg. wt., 2 lbs.
44 T 2532.
Net 53.40
664 G -Same as above but gold finish. 44 T $2533 \ldots \quad$ Net 56.70 664 A Same as above but non-reflecting gray finish.

## 44 T 2535 Net 53.40

419 DESK STAND. For model 664 44 T 2534 Shpg. wt., 3 lbs. ........Net 8.10

## 635A BROADCAST DYNAMIC

- Top Quality, Professional Use Microphone
A popular design microphone now redesigned and improved. Omni-directional pick up pattern perfect for use by entertainers and vocalists. For desk or floor stand or hand held use. The rugged steel case is finished in matte satin chrome with magnetic shielding. light weight, slim and attractively styled. 4 stage pop and dust filter eliminates need for external wind screen. Response: $80 \cdot 13,000 \mathrm{~Hz}$ (rising), output -55 db . low impedance. Features Acoustalloye diaphragm. Supplied with $18^{\circ} 2$ cond. cable and cannon $\mathrm{XL}-3$ connector Convenient microphone size: $6^{\prime \prime}$ long $\times 13 / \mathbf{s}^{\prime \prime}$ diameter at head. Shpg. wt. $14 / 2$ los.
$4472559 \$ 5$ Monthty
Net 49.20


## 676 CONTINUOUSLY VARIABLE-D CARDIOID DYNAMIC

Radically new design brings professional quality to public address, recording. communications and other general purpose applications. Continuously-Variable.D principle assures uniform, symmetrical cardioid pattern at all frequencies. Response 60 to 15.000 Hz . Highest discrimination against feedback and unwanted sound. Exclusive 3. position switch offers controlled low-frequency attenuation to overcome rumble and feedback when microphone is used at a distance. Stim design-full vlew of speaker. Use hand-held or with stand clamp supplied. Rugged diecast case. Acoustalloy diaphragm. 150 ohms or $\mathrm{Hi}-2$; impedance changed by new connector (no tools required). Output - 57 db . Satin chrome finish. $16^{\circ}$ cable, Size: $73 \mathbf{h}^{\prime \prime}$ long $\times 11 / 4^{\prime \prime}$ dia. Shpr. wt.. 3 los.
44 T 2522
Net 53.40
Model 676G. Same as above but gold finish. 44 T 2523

Net 56.70
Model 676A. Same as above but non reflecting gray finish.
44 T 2524
Net 53.40

## 654 " $S L I M$-TRIM" DYNAMIC

Response $50-15,000 \mathrm{~Hz}$. Output -57 db . Use on stand, in hand or as a lavalier. Acoustalloye diaphragm. Matches all low imped. ance. $5 \mathbf{S N}^{\prime \prime}-27$ thread. XLR- 3 connector, $18^{\prime \prime}$ cable. Non-reflecting gray finish. SIze $7^{\prime \prime}$ long $\times 11 / 0^{\prime \prime}$ dia. With clamp and neck cord. Shpg, wt., $11 / 2 \mathrm{lbs}$.
44 T 2540 \$5 Monthiy
Net 63.00

## 6498 MINIATURE LAVALIER

Tiny unobtrusive dynamic with blg performance. Omnidirectional. Response: $70-10,000$ Hz (Rising). Low impedance. Output: -61 db . Weighs only 31 grams (less cable). Size: $2 \frac{1}{4}{ }^{\prime \prime}$ L $x 3 / h^{"}$ Dia. Gray finish. 30 ft . cable, with neck cord, belt clip, stand clamp and pouch. Shpg. wt. 1 lb.
44 T 2541 \$5 Monthly


## 674 CONTINUOUSLY VARIABLE D CARDIOID MICROPHONE

Professional quality for PA, recording and general purpose uses. Continuously Variable o feature assures uniform symmetrical card. ioid pattern at all frequencies. Response: 60 . $15,000 \mathrm{~Hz}$. Highest discrimination against feedback and unwanted sound. 3 -position switch for low frequency attenuation to overcome rumble and feedback. Silm design. Onoff switch. Acoustalloye diaphragm. Diecast construction. Dual impedance. New connector allows easy change from hi-2 to low-2 without tools. Output: -57 db . Satin chrome tinish. Fits ${ }^{\prime} /{ }^{\prime \prime}=27$ stands. $15^{\prime}$ cable. Size: $77 /$ " $^{2} \times 1 y_{4}$ " Diam.
44 T 2572 Shpg. wt., 2 lbs.
Net 53.40

## TYPE 502B MATCHING

TRANSFORMER
Matches 150 ohm to $\mathrm{Hi} Z$ amplifier. Input $30 \cdot 20,000 \mathrm{~Hz} \pm 1 \mathrm{db}$. Size $3^{2} 5_{3} \times 11^{\prime \prime}$ dia. Shpg. wt.. 1 lb .
44 T 2566
Net 9.90

## 644 "SOUND SPOT" UNI-DIRECTIONAL LINE MICROPHONE

A combination cardiold and distributed front opening makes this the most directional microphone ever. Has better than 2.5 times the working distance of pressure types. Cancellation from the rear and sides exceed 20 db giving virtually complete rejection of unwanted sound. The effective front acceptance angle is $45^{\circ}$ each side of center glving best isolation of individual performers. High reduction of wind noise and low sensitivity to shock. Smooth response from 40 to 10,000 Hz , high output- 53 db ., dual high and low impedance selective. The case is high-pressure diecast zinc. Rear diameter $2 \mathrm{~K}_{1}{ }^{\circ}$. $1{ }^{n}$ length $16^{\circ}$ Cable is 16 ft . Shpg. wt., 3 tbs."
44 广ं 2547 \$5 Monthly
Net $\mathbf{5 9 . 3 0}$


GENERAL PURPOSE OMNIDIRECTIONAL

## 636 "SLIMAIR" DYNAMIC

Silm omni-directional mike for PA or recording. Acoustalloy diaphragm. Output level -58 db . Response $60 \cdot 13,000 \mathrm{~Hz}$. Selection of HI 2 or 150 ohm impedance made at plug. On-oft switch; satin chrome finish. Swivels $90^{\circ}$ on base, tapped for $5 / 0$ " 27 stand. 16 ft . cable. $11 / 6^{\prime \prime}$ dia., $101 / 4^{\prime \prime}$ long. Shpa. wt., $21 / 2$ lbs. 44 T 2516 Net 45.60 Model 6366-Same as above but gold finish. 44 T 2517 ....................................... Net 48.90

## 641 DYNAMIC

High output level, higher impedance. Ideal for paging, recording. P.A., etc. Integral on-off switch. Freq. $70-10,000 \mathrm{~Hz}$. Output -57 db . With 15 ft cable, standard $5 / \mathrm{co}^{\circ}-27$ stand connector. Case is die-cast chrome with gray hi-impact plastic. $44 / 2 \times 134^{n}$ dia. Shpg. wt. 1 lb .
44 T 2557
Net 24.90

## 630 HI-OUTPUT DYNAMIC

A quality microphone resistant to heat and humidity. $60.11,000 \mathrm{~Hz}$ output level - 55 ab. On-Off switch, tiltable head, chrome finish. High impedance output. $16^{\circ} \mathrm{ft}$. cable $\mathbf{2}^{\prime \prime}$ dia. $61 / 2 \mathrm{ml}$ long. Shpg, wt., 3 lbs . 44 T 2518

# ElectroVoics Popular Microphones 

## 129 SERIES <br> CARDIOID CERAMIC MICROPHONES

Model 729 is the lowest priced cardioid built. It Is designed for PA, ham, home stereo recording and general use. Reverberation and feedback reduced by $67 \%$. Front pickup nearly twice that of pressure mikes. Dutput - 60 db , response $60-8,000 \mathrm{~Hz}$. High impedance. May be used in any climate. Metal-rray casing, supplied with attractive desk stand and floor stand adapter. Complete with $81 / 2 \mathrm{ft}$. cable. Size $81 / 4 \times 1+2 \times 13 / 6^{\prime \prime}$. Shpg. wt. $11 / 2$ lbs.

## 44 T 2536

Net 15.30

## 719 "PRESS TO TALK" CERAMIC MICROPHONE

A versatile omnidirectional mike for communications and paging. Integral stand and head of die cast gray and chrome plate. Switch used in base for press to talk or in stand for grip control. Switch shorts mike in off position for relay or electronic switching. Mi-2, output $-58 \mathrm{db} .70-7000 \mathrm{~Hz}$ response. Complete with $61 / 2$ cable. Shpg. wt., $24 / 2 \mathrm{lbs}$. 44 T 2560

Net 17.40


## 727 SERIES SLIM CERAMIC MICROPHONE

Smart now mile with desk stand and floor stand coupler. Heat resistant ceramic ele. ment. 60.8000 Hz , output - 55 db ; Hi-Z, 5 ft . cable, $73 / \mathrm{mx} 13 \times 11 / 4^{\prime \prime}$. Shpg. wt., $11 / 2 \mathrm{lbs}$. 44 「 2526

Net 12.60
727SR. Same as above but with leaf switch to close reley circuit and 3 cond. (1 shielded) cable.
44 T 2527
Net 14.70

Model 729SR. Same as above, with leaf switch to close relay circult and 3 cond. (1 shielded) cable.
44 T 2537
Net 16.80

## DESK STANDS

TYPE 418 Desk stand for use with microphones having small type stud, such as 611 623. $630,635,636,911$ and 951 . Die-cast base. Gray finish. Shpg. wt., 4 lbs. 44 T 2551

Net 8.10
Type 419. Slmilar to above but for large. type studs such as 644,664 , and 665. 44 T 2534

## LAFAYETTE ENTERTAINERS MIKES

For Musical Instrument Amplifiers
(A) DUAL IMPEDANCE DYNAMIC MIKE

## - For Floor Stand Use

A superb dynamic microphone designed for high quality applications. Oual Impedance-high 50K ohms, or low 250 ohms. Dmni-direcfional, $100-10,000 \mathrm{~Hz}$. Features pop-proof wire mesh grille. Modern attractive chrome plated frame. Equipped with on-off switch. Mike tiltable thru $90^{\circ}$ arc. For all standard $56^{\prime \prime \prime}-27$ floor stands. Size: $71 / 4 \mathrm{Lx} 11 / 2^{*}$ Dia. with 20 ft . detachable cable and phone plug. Imported. Shpg. wt., 2 lbs.
99 T 4619
Net 12.95

## (B) DELUXE BALL DYNAMIC MIKE

## - For Hand and Stand Use

Modern design features dual impedance-High 50K ohms, or icw 250 ohms. Omni-directional, $100-10,000 \mathrm{~Hz}$. Has on-off switch. Batf screen insures against "pop" and wind blast. Ole-cast, finished in satin aluminum. Size: $61 / a^{"}$ "long, max. diam. of ball $21^{\circ \prime}$. Complete with detachable 20 ft . cable and phone plug. Black metal desk stasd and adapter for any \$*"- 27 floor stand. Imported. Shps. wt., 2 lbs.
 99 T 4620


Used extensively by radio amateurs for its high intelligibifity and "'punch." Responds with rising characteristles from 500-4,000 Hz . High output sealed crystal element. DutDut level - 46 db . Chrome finished mesh grille and body. With $5-\mathrm{ft}$. cable and adaptor to $5 / 6^{\prime \prime}-27$ thread. Shpg. wt., $13 / 4$ lbs.
4411401 Less Stand
Net 18.23
MOOEL 60-104. Same as D. 104 except, with grip-to-talk stand. SPST switch.
44 T 1402 Shpg. wt., 4 lbs.
Net 30.11

## MODEL UG8.0104

The D-104 microphone with the UG8 grip-totalk stand. OPOT switch. 44 T 1403 Shpg. wt., 4 lbs.

Net 33.05


## MODEL UG8 STAND

Die cast, all metal with bar activated DPOT leaf.switch for elther momentary or "lock. on." Two switch sections. Noise free, silver contacts rated up to 3 amp OC, 8 terminals for connections. $6 \mathrm{ft} ., 4$ conductor cable. Chrome and gray. $51 / 2^{\prime \prime \prime}$ diam. $\times 81 / 4^{\prime \prime} \mathrm{H}$. Shpg. $w t .21 / 2$ lbs.
44 T 1404
Net 17.61

## IT-30 CRYSTAL MIKE

Dependable taigh output crystal microphone for PA and recording use. Response 30 $10,000 \mathrm{~Hz}$. Output - 49 db , high impedance. Complete $w$ th base and detachable 8 -ft. cable. Strearline die cast gray case. $8^{\prime \prime}$ high (with stand), 2\%." dia. grille, $51 / \mathrm{s}^{\prime \prime}$ dia. base. Shpg. wt., 3 'bs.
44 T 1407
Net 10.82


## MODEL 332 CRYSTAL MIKE

For general purpose use. Response $30-15,000$ Hz . Dutput -54 db , high impedance. Diecast housing. Satin chrome finish, chrome cap and black grille. 8 ft . single conductor cable. Bullt-in ON-OFF switch with lock-on provision. With lavaller and stand adaptor for $5 / 6^{\prime \prime}-27$ thread. $442^{\prime \prime}$ long. $11 / 4^{\prime \prime}$ dia. Shpg. wt., 1 tb.
44 T 1405
Net 10.53
A7 Stand For above. Shpg. wt., 1/4 lb.
44 T 1406 ............................ Net 1.44

## MODEL 150 RECORDER MIKE

Weighs only 3 ounces. Response $30-10,000$ Hz . Dutput -44 db , high impedance. Grey impactresistant case. aluminum anodized grilie. 5 ft . single conductor cable. Size $2 K_{4} H \times 2 K_{b} W \times 11 / 4 " O$. Shpg. wt., $3 / 4 \mathrm{lb}$. 44 T1408

Net 3.82

## MDDEL 151 CERAMIC MIKE

Similar to Model 150 but ceramic type. Dutput 48 db . Response $30-8000 \mathrm{~Hz}$. Shpg. wt. 3/4 lb. 44 T 1409

Net 3.82

# shuay Microphones Broadcasting-PA-and General Purpose 



## NEW "UNIDYNE IV"

MODEL 548S. This member of the Unidyne family of feedback-free unidirectional dy namic microphones offers remarkable rug. gedness and performance features such as improved shock mounting; wind, pop and blast filters; broadcast-type. Cannon XLR.3lic connector; high flexibility cable, etc. Frequency: $40-15,000 \mathrm{~Hz}$. Dual thigh and low) impedance with output of -55.5 db . On-off switch, swivel mount, chrome and black case, $15^{\prime} 2$ conductor detachable cable. Size: $1 \mathrm{~K}_{4} \mathrm{D} . \times 51 \mathrm{~K}_{4}{ }^{\prime \prime}$. Shpg. Wt., $21 / 4$ lbs. 44 T 7564 \$5 monthly

Net 61.74
MDDEL 548. Same as above but less on-off switch and swivel mount, but including swivel adapter.
44 T 7565 \$5 monthly
Net 58.80

## NEW! "UNIDYNE B"

MDDEL 515SA, Very low priced unidirectional dynamic microphone with a highly effective cardioid pickup pattern which solves feedback and boominess. Ideal for low budget sound systems. Frequency: $80-13,000 \mathrm{~Hz}$. High impedance with output of - 58 db . Has on-off switch and swivel adapter. 15 ft . single conductor non-detachable cable, Chrome and black case. Slize: $11 / 2 \mathrm{D} \times 6 \%$ "l. Shpg. wt., $11 / 2$ lbs

## 4477566

Net 23.52
MDOEL 515SB. Same but low impedance, -59.5 db . output and 2 conductor cable.
4477567
Net 20.58

## MODEL 58OSA "UNIDYME A"

Low cost cardiold dynamic. Ideal for controlling feedback in P.A. systems and improving home recording. Features rugged dynam. ic element with true cardiold unidlrectional pickup pattern, built-in On-Off switch and 15 -foot attached shlelded cable. High impedance. Response: 50 to $13,000 \mathrm{~Hz}$. Output, -56.5 db . Satin chrome case with "ArmoDur" cap and stainiess steel mesh grille. $65 / 8^{\circ} \times 13 / 4^{\prime \prime}$. Shpg. wt., $^{21 / 2}$ lbs.
44 T $7549 \$ 5$ monthly
Net 34.69
Matched Pair For Stereo Recording.
44 T $7550 \$ 5$ monthly .................Net 69.38
Shpg. wt., 5 lbs.


## 'UNISPHERE A"

MODEL 585SA. Rugged dynamic cardioid "pop"-proof unit with wire-mesh spherical screen. Feedback free. Response 50-13,000 Hz . High impedance. Output -57 DB . Chrome and black case. Has on-off switch, adjustable swivel stand adapter and 15 ft . single conductor shielded cable with MCIF connector, Slize: $63 / 4 \times 11 \% 0^{\prime \prime}$ diam. 3105 . 44 T 7552 \$5 monthly $\qquad$ Net 38.22 MODEL 585SAC. Same as above but with prewired plug end assembly which can be used as MCIF, MCIM or phone plug. 44 T $7568 \$ 5$ monthly

Net 39.40
MODEL 585SB. Same as 585SA except low impedance, output - 59 db and 2 conductor cable with MC2M connector. 44 T 7553 \$5 monthly

Net 34.10 MDDEL $585 S A V$. Similar to 585SA but instead of on-off switch has built-in volume control to change loudness without adjusting ampilfier controls. Shpg. wt., 3 lbs. 44 T 7561 \$5 monthly

Net 42.63 MODEL 585savc. Same as above but with plug end assembly like 585SAC. 44 T $7569 \$ 5$ monthly

Net 43.81 MODEL 585SBV. With volume control like 585SAV but low impedance like $585 \mathrm{S8}$. 44 T 7570 \$5 monthly

Net 42.63

## "UNISPHERE 1"

MODEL 565. Similar to Model 585SA but dual impedance; low imp ( 50.250 ohms) output -57 db , high $\mathrm{imp}-55 \mathrm{db}$. Response 50 $15,000 \mathrm{~Hz}$. With swivel adapter and 15 ft . 3 cond. detachable cable with MC4M plug. Size $61_{3} \mathrm{~L} . \mathrm{x}^{24} \mathrm{D}$. No switch. Shpg. wi., 3 lbs. 44 T 7554 \$5 monthly

Net 55.86 MDDEL 565S. Same as above but with on-off switch. Deslgned for mike stand use only.

Net 58.80

## Shog. wt.. 3 lbs. <br> 44 Y $7562 \$ 5$ monthly

## "SPHER-O-DYNE"

MODER 5335A. Omnidirectional dynamic probe type. Ideal for entertainers, lecturers. Spherical front with built-in wind, breath and "pop" fitter $40 \cdot 11,000 \mathrm{~Hz}$. High impedance Output - 55 db . On-off switch, swivel stand adapter and 15 ft . single conductor cable. Chrome case. $61 \%^{\prime \prime} \times 2 \%{ }^{-}$dia. $21 / 2$ 10s. 44 T 7555

Net 29.40 MODEL 533SAC. Same but with prewired plug assembly which can be used as MCIF, MCIM or phone plug.
44 T 7571

## 55SW "UNIDNYE If"

An unusually rugged dynamic microphone for deluxe sound systems indoors or outdoors. 50 to $15,000 \mathrm{~Hz}$ response. Ultra-Cardioid pickup prevents feedback. A favorite of performers and pubiic speakers everywhere for dependability. Three - way impedance switch. Output levels: 35.50 ohms. - 55 db $150-250$ ohms, -56 db ; hi-2, - 55 db . Satin chrome. Complete with on-off switch, swivel mount. $15 \mathrm{ft} ., 2$-conductor cable. $7 \% \times 2 \%_{10}$ 34 Kc ". Wt. $31 / 2$ lbs.

## 44 ₹ $7501 \$ 5$ monthly <br> Net 49.98

 MODEL 55S. Same as above, without on-off switch. Shpg. wt., $31 / 2$ lbs.44 T $7502 \$ 5$ monthly ................ Net 48.80 MODEL 556S. Version of 55 S . Closer tolerances: wider response ( 40 to $15,000 \mathrm{~Hz}$ ). Shock mounted. Cannon XL-3-11 connector. 20 ft . 2 -conductor cable. $31 / 2 \mathrm{lbs}$.
44 T 7503 \$5 monthly

## SHURE 545S "UNIDYNE III"

Slender dynamic unit with completely symmetrical cardloid pattern. Performs perfectly in difficult applications where other type mikes pick up feedback and sound boom. Widely acclaimed for its natural reproduction of human voice. 50 to 15,000 Hz . Dual impedance, Outputs: $\quad 50-250$ ohms, $-57 \mathrm{db}:$ hi-2, -55 db . Chrome. black, On-off switch; swivel mount. 15-ft. 3-con. ductor cable $5^{1} 11_{1}$ " $\times 11 / 4^{*}$ dia. 3 lbs. 44 T 7504 \$5 monthly

Net 52.89
MODEL 545. As above, in probe design, ideal for hand held use, Without on off switch. Swivel stand adapter Included.
44 T $7505 \$ 5$ monthly
Net 49.98
MDDEL 545L. Multiple use Unidyne III dynamic. For lavalier, stand-to-hand. or roosenech mounting. Freq.: $50-15,000 \mathrm{~Hz}$. Low impedance. Output: -57.5 db . With tavalier cord and clip assembly. 20 ft . two-conductor cable. Black and chrome case. Size: $54 / 8 \times$ $11 / 4^{*}$ diam. Shpg. wt., 2 lbs.
44 T 7556 \$5 monthly
Net 41.16

## MODEL 546 BRDADCAST UNIOYNE III

Simitar but shock mounted; response, 40 $15,000 \mathrm{~Hz}$; impedance switch for 50.250 ohms. Swivel mount. Cannon XLR-3-11 C connector 20 ft . 2 -conductor cable. $31 / 2 \mathrm{lbs}$. 44 T 7506 \$5 monthly

## 550S PROBE

A rugged dynamic microphone for use in quality sound systems and high fidelity recording. The unit features a smooth widerange response for faithful reproduction of voice and music. Dual imoedance. Comes complete with on-off switch, swivel, and 15 ft. 2-cond. cable. Fequency Response: 50 to $15,000 \mathrm{~Hz}$. Output level: Low-Z, -57 db ; High-2, - 57.5 db . Satin finish chrome case with stainless steel mesh grille.
44 T 7513 \$5 monthly
Net 40.57

## 540S "SONODYNE I"

Modern design all-directional microphone. Fine for recording applications and sound systems. Has on-off switch. Adjustable response: $50-13,000 \mathrm{~Hz}$ for music. $400-6,000$ Hz for speech. Dual impedance: $50-250$ ohms and high impedance. Outputs: Hi-Z. - 55 db ; Low-2, -56 db . Chrome and black. Swivel mount; $5 / 8^{\prime \prime}-27$ thread. 15 ft . 2 -cond. cable 35/8 x 11/he". Shpg. wt., 31/8 lbs.
44 T 7516
Net 29.37


> MODEL 560
> LAVALIER
> MICROPHONE

## Dual impedance dynamic mixe with response

 "tallored" for lavalier applications. Black satin metal case, clip-grip lavalier assembly. Lishtwelght. 18 ft . 2 -cond. shielded cable. Frequency response: $40-10,000 \mathrm{~Hz}$. Output: -56 db . Dual impedance-high, and 150 250 ohms. $11 / 2^{\prime \prime}$ dia. $\times 37 \%^{\prime \prime}$ long. $141 / 2 \mathrm{oz}$. 44 T 7522Net 24.99

## Microphones

## Communications－CB－Ham－General Purpose



## SHURE HAM AND

## DISPATCHING MICROPHONES

MODEL 52OSL＂DISPATCHER＂MAGNETIC．The ideal mike for busy radio operators or for dispatching and paging．Consists of Model 520 mike mounted on special stand．Push bar to talk，slide down permanent connec－ tion．Easy to onerate．Frequency response： 100 to 9000 Hz ．Output level－ 52.5 db ． Omni－directional polap pattern．High imped－ ance．Recommended load 100,000 ohms or more．Chrome and green finish． 7 ft ．cable． $91 / 2 \mathrm{H} \times 5 \mathrm{~W} \times 7{ }^{10} \mathrm{D}$ ．Shpg．wt．， 5 lbs ．
44 T 7535
Net 26.46

MODEL 444 HAM MIKE．As above．but Hi－z． Output：-53 db ．Response： $300-3,000 \mathrm{~Hz}$ ． Separate switch for vox operation． $31 / 2 \mathrm{lbs}$ ． 44 T 7537

Net 24.99

## NOISE CANCELLING MICROPHONES

MODEL 202 CERAMIC－Effectively reduces background noise for use in Mobile，CB and Ham rigs． $200-4,000 \mathrm{~Hz}$ ． $\mathrm{Hi}-\mathrm{Z},-50.5 \mathrm{db}$ ． Switch，hang up bracket．5－ft．3－conductor， coiled cable．Shpg．wt．， 2 lbs． 44 T 7525

Net 11.76 MOOEL 401A，as above．but controlied mag． netic．－ 49 db ．
4 T 7527
Net 12.94


R5


R7


## MICROPHONE CARTRIDGES AND CABLES REPLACEMENT CARTRIDGES <br> CABLE－PLUG ASSEMBLIES

Exact replacements．Shpg．wt．， 802. TYPE RS：Magnetic for hi－imp．models 410 ， $410 \mathrm{~S}, 440,440 \mathrm{SL}, 505 \mathrm{C}, 505 \mathrm{~K}, 510 \mathrm{C}, 510 \mathrm{~S}$, 520 ， 520 Si
44 t 7542 ．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．． 6.47
IYPE R7：Crystals for models 707A，708A． 44 T 7543

Net 4.85
TYPE R33：Dynamic for Spher－0－Dyne models 533SA and 533S8．
44 T 7572
Net 11.76
TYPE R45：Dynamic for Unidyne III models $544,545,545 S$ and 546.
44 f 7573
Net 22.05
TYPE R55：Dynamic for Unidyne 11 models 55S and 55SW．
44 T 7574
Net 17.64
TYPE R58：Dynamic for 580SA and 580SB． 44 T 7575

Net 13.23
TYPE R65：Dynamic for Unisphere 1 models 565 and 565 S．
44 T 7576
Net 23.52
TYPE R85：Dynamic for Unisphere＂$A$＂ models $585 \mathrm{SA}, 585 \mathrm{SB}, 585 \mathrm{SAV}$ and 585 SBV ． 4477571

Net 14.70
Exact replacements．Shog．wt．， 1 ib
TYPE C55 For Unidyne models 55S，55SW． 44 T 7578

Net 5.8 ．
IYPE C56：For Unidyne models 545，545S and Unisphere modets 565．565S． 44 T 7575

Net 7.35
TYPE C57：For Spher－o．Dyne model 533SB and Unisphere model 585 SB ．
44 T 7580
Net 5.14
TYPE C5E
el 533sA and Unischere Spher－0－Dyne 44 T 758 ：

Net 3.23
TYPE C60：For Unidyne model 580SA． 44 T $758^{\circ}$

Net 5.88 TYPE C61：For Unidyne model 580 SB． 44 T 7582 Net 6.03

COILEO MICROPHONE CABLES
Rubber covered coiled cord for 505T and other carbon mikes． 4 conductors for mike and press－to－talk switch．Stretches from 1 foot to 6 feet．Shpg．wt．， $11 / 2 \mathrm{lbs}$ ． 44 T 750 i Type C15C

Net 3.67
3 conductor（ 1 shielded）used with 404 C ． 44 T 750 Type C12C

## MODEL 575S＂VERSAOYNE＂

Smooth response from $40-15,000 \mathrm{~Hz}$－ rugged，high－performance dynamic cartridge． High or low impedance models．Complete with switch，stand adapter and lavalier cord．For use in hand，on stand，or used as lavalier．Single cond． 7 ft ．shielded cable． Black high－impact body，satin anodized cap， stainiess steel grille．Size： $43 / 4^{* 1} 18 . \times 11 /{ }^{\prime \prime}$ dia．Wt．， 5 oz．High impedance model Out－ put：－ 56 db ．Shpg．wt．， 17 oz.
44 T 7517 Less Base
Net 14.11
MDDEL 575SB＂VERSAOYNE．＂Similar to above，but impedance： $150-250$ ohms．Out． put -56 db ．
44 T 7518
Net 12.35

## TRANSISTORIZED BASE STATION MICROPHONE

－Built－in 2
Transistor Preamp
－Variable Output Level


Model 444T．Provides optimum performance for CB and other types of communications equipment including AM，FM，and single side－band．Built－in 2 transistor preamp in． creases signal strength．Controlted magnetic type with response of 200.6000 Hz ．Semi－ directional．Output level variable from 2 to 45 mv ．Press－to－talk control bar for locking or non－locking operation．Height adjustable from $9 y_{10}{ }^{\circ}$ to $11{ }^{1} 1_{1} 0^{\prime \prime}$ ．Base $511^{\prime \prime} \times 4^{\prime \prime}$ ．Four ft．colled cable．Battery Supplied．
44 T 7560 Wt．， $2 \%$ Ibs．
Net 29.11
99 T 6021 Replacement battery ．．．．Net 21


TYPE S38B DESK STAND．Round，black base for models $575 \mathrm{~S}, 575 \mathrm{SB}, 275 \mathrm{~S}, 415$ and 430. Shpg．wt．， $11 / 4$ lbs．
44 T 7520
Net 2.65
TYPE S33B DESK STAND．Black finish．For models $515,545,546,548,556 \mathrm{~S}, 565,566$, 580 and 585．Shpg，wt．， 3 lbs，
44 T 7544
Net 8.82
TYPE S36A DESK MOUNT：Gray finish．Fits all Shure connector type mikes including $55 \mathrm{SW}, 545 \mathrm{~S}, 548 \mathrm{~S}, 565 \mathrm{~S}$ ，etc．
44 T 7528

# FLaFayette Our Best Selling Wired Systems Intercoms 

## DELUXE LAFAYETTE XL-6 SOLID STATE 6 STATION INTERMIX INTERCOM SYSTEM

3 Super Selective Systems:
Master to Master
Master to Remote
Intermixed Master and Remote

- Balanced Input and Output to Virtually


Designed to fulfill virtually every office, industrial, commercial or home Intercom need. Lafayette's deluxe new 6 station intermix system provides complete fiexibility and versatility with 3 separate types of installations: (1) MASTER TO MASTER HOOKUP: All Master intercom System incorporates up to 6 separate master stations enabling 3 private conversations or 6 station conferences to be held. Master can initiate calls to any other Master. (2) MASTER TO REMOTE HOOKUP: Enables 1 Master station to communicate with up to 5 remotes either separately or in a six station conference. Remote can be hooked-up private or non private. Remotes can initiate call back to Master, but cannot talk directly to other remotes. (3) INTER. MIX SYSTEM USING UP TO 12 MASTERS AND REMOTES: The number of units in this system may be as high as 12 depending on how many masters are used. For example if 3 Masters are used, each Master has 3 of its selector switches avallable to call 3 remotes, thus giving a total of 3 Masters and 9 remotes or 12 units in the system. The maximum number of remotes associated with any 1 Master is 6 minus the number of Masters in the system. The Lafayette $\mathrm{XL}-6$ intercom utilizes powerful advanced solid state cir.

## LAFAYETTE SOLID STATE 2 STATION INTERCOM SYSTEM


cuitry for "instant on" operation. Incorporates a balanced 40 ohm Input and output circuit design. The advantages of this type of design is that the entire system when operating is virtually not susceptible to noise interference. Master unit has 5 individual station selector slide switches, 2 position press to talli-talk/Lock bar, and volume control. Remote unit has 2 position press to talhtalk/lock bar. Handsome walnut wood cabinet with brushed alumb. num finish. Includes junction box for wiring.
WIRING INSTRUCTIONS: in a balanced input and output system both Master to Master or Master to Remote hook-ups use separate 4 conductor unshielded pairs for each master or remote used in the system. Dim.: Master \& Remoter 77/8"L x $21 / 4 " H \times 43 / 4^{\prime \prime}$. For 117 VAC, 60 cps . Imported.
99 T 4611 Model XL-6 Master. Shpg. wt., 3 Ibs. $\qquad$ Net 24.95 9914612 Model R-6 Remote. Shpg, wt., 2 lbs $\qquad$ Net ea. 9.95
100 FT. SPOOL OF CABLE FOR ABOVE SYSTEM
Beldon 8741 -unshielded 4 conductor, vinyl insulated cables 32 T 1578
LAFAYETTE 4-STATION SOLID-STATE INTERCOM SYSTEM


## - Inter-Unit Tone Calling

- Beautifully Styled
- Simple Plug-in Connecting Cord

Solid-state miniature 2-station intercom. Operates from one inexpensive 9 -volt battery. System consists of one master and one remote with 60 feet of lightweight cable. Plug at each end speeds up con-nection-no tools needed! Master unit has power on/off/volume controf and listen-talk switch-you ean listen or talk to the master without operating any buttons. Master and remote can call each other even when master is switched off. Housed in a high impact plastic case with cable and 9 -volt battery. Dimensions: $3 W \times 13 / 4 H \times 4^{*} D$. Imported. Shpg. wt., $11 / 2 \mathrm{lbs}$.
99 T 4578 2-Station System Net 8.95 99 1 6021 Extra 9-volt battery Net 8.95 AC power supply and battery charger for above. Shpg. wt., 2 ibs.
33 T 7702
Net 2.99

## Solid State Wireless Intercom System

2-Stations Only<br>\section*{$27^{95}$}

- 4 Transistors - No Warm-1Jp
- Plugs Into Any 117 V AC Outlet In Your Home
- Each Unit Is A "Master" - Use As Many As You Need
Solid-State 2 -station intercom system at an amazingly low. low price. Ideal for use in the home, office, factory, ete.-will connec. any two places that are serviced by the same electric company power line transformer. No wiring required, simply plug each unit into any $A C$ outlet and start talking-A-transisfor circult means no warm-up time. Each unit is a "Master" with a volumeiun-Off control. Push-to-Talk Bar with a "lock-bar" feature for co.ilinuous talking, and a pilat Hght. 2-tone gray-colored plastic case has rubber-tipped base that will not scratch furniture. Overall $61 / 2^{\prime \prime} \mathrm{x}$ $5^{\prime \prime} \times 2 V^{\prime \prime} \mathrm{H}$. For $110-120 \mathrm{~V} 60 \mathrm{~Hz}$. AC. Imported. Shpg. wt., 2 ibs. 99 T 4573M 2-Station Intercom System

Nel 27.95 Additional Intercom Stations 99 T 4572

Net ea. 14.95


## Deluxe Wireless Intercom System

- Operates from any 117 V AC/DC Outlet
- No Wires to Connect
- Ideal for Home or Office
- Add as Many Extra Stations as Desired


# 2-Stations Only <br> $$
32^{95}
$$ 

## No Money Down $\$ 5$ Monthly

Handsomely styled, these units offec, quality performance for home or business use. Each unit leatures a 3 -position bar-contro lever: Dictate (for use as "waby sitter," lengthy talking). Tak (has spring return to Listen position), and Listen. No wires to connectsimply plug into any 117 V AC/DC outtet. Front panei volume control and pilot Hght , adjustable, squeich control at reas reduces inter. serence during quiet periods. Dependable $3^{* \prime}$ speaker. Add as many remotes as needed. Imported. Shpg wt., 10 lbs.
99 T 4547M 2.Station Intercom System
Net 32.95

Extra Station. Imported. Shpg. wt., 5 lbs.
 99 T 4544

Net 16.95

## Deluxe Multi-Channel Solid State Wireless Intercom Systems

- For Up to 3 Simultaneous But Independent Communications Using Separate Channels
- Each Station A "Master"-Use As Many As Needed
Our finest and most versathe wiretess intercom systems. Your choice of either deluxe 2 or 3 station systems. No wiring to install. plug into AC outlets on the same electric line between offices, rooms, and even between bulidings. 3 channel design permits using up to 3 simultaneous but independent communications using separate channeis. Units operating on channel 1 will not interfere with units operating on channel 2 or 3. Since each unit is a master, any number of stations can be set up to form a superdefuxe wireless intercom system. Controls: press-to-talk bar with "lock-talk" feature for continuous monitoring, chamel $1-2-3$ selector. Powerful solld-state circuit provides instant-on operation and Includes squelch for nolse free operation, transformer power supply and pilot light. Handsome high im. pact plastic case. 5 Transistors, 3 diodes, 1 silicon rectifier, 1 thermistor. Size each station: $5 \times 61 / 4 x^{\prime \prime}$. For 117 VAC 60 Hz . Imported.

| Stock No. | Type of System | Wt. | Met |
| :---: | :---: | :---: | :---: |
| 99 T4623日 | 2 Station System | 8 lbs. | 39.55 |
| 99 T 4685M | 3 station System | 12 lbs. | 57.95 |
| MDOITIDNAL 9974610 | MGLE STATIOM | $\text { It. } 41$ | $22.95$ |



# BOGEN and EMERSON Intercom Systems 

## DELUXE BOGEN SERIES T TRANSISTORIZED OFFICE INTERCOMS



TIA-6
T1A-12


A compact light weight intercom system. For offices, stores, homes or any location where voice intercom. munication is needed. Features: rugged transistorized design; low profile and tri-stage amplification. Series $T$ Intercoms provide the simplest method yet devised to modify systems all remotes can be operated privately (for inter office situations) or non-privately (for nursery or stock-room areas where a remote must reply or be heard without controls).
Single Master-Multiple Remote System uses up to 5 RIA-1 remote stations with one TIA- 6 master or 11 remotes with a TIA-12 master. All-Master system, up to six TIA-6 or twelve TIA-12 masters may be used. TIA-6 can talk to all stations at once, or permit separate conversations simultaneously up to the number of stations used. Model RIA-1 remotes have press-to-talk bar. Sturdy phenolic plastic cabinet size: $7 \% / \mathrm{W} \times 3 \% / 4 \times 7$ "D

Shor. wt. master 4 lbs. Remote 3 lbs .
44 T 1207 TlA-6 Master Station 44 T 1209 RIA-1 Remote Station Net 39.15
RIA-1

WIRING REQUIREMENTS FOR BOGEN SERIES T: FOR single master.multiple remote systems. use a three con. ductor unshielded cable between master and each remote. For an all-master system, the total number of unshielded conductors common io all stations is one more than the total number of masters in the system; l.e., a six-master system will be interconnected with: seven-conductor unshielded cable.

CABLE PRICES PER 100' FON
BOGEM INTERCOMS

| Stack No. | Palden No. | Unshiolded | -1./100 | Net |
| :---: | :---: | :---: | :---: | :---: |
| 32 Y 1452 | 8443 | 3 cond. | 2 lbs. | 3.10 |
| 32 Y 1456 | 8447 | 7 -cond. | $41 / 4 \mathrm{lbs}$. | 7.95 |
| 32 Y 1458 | 8449 | 9-cond. | 51/4 lbs. | 9.25 |
| 32 T 1497 | 8457 | 12-cond. | 51/2 lbs. | 10.05 |
| 32 T 1494 | 8458 | 15 | 8 lbs. | 17.40 |

BOGEN HOME INTERCOM SYSTEM


HCA- 1


HCR1 HCR2

A deluxe home Intercom system for built-in mounting in walls. Any combinatlons of master control stations and HCR remotes totaling up to 9 in a system may be used. Master control stations may call any other control station or remote. Control stations can enjoy complete privacy when desired. Fully transistorized

HCA. 1 ampliffier powers complete system. Output of any AM or FM radio may be connected from Its speaker voice coil into the music jack of the amplifier. Any HCM. 9 control station can plck up broadcasts thru HCA-1 amplifier. Dimensions HCM-9, HCA-1: $111_{h} \mathrm{x}$ 41/2". HCR-1, HCR-2: $63 / 8 \times 41 / 2^{\prime \prime}$
44 I 1210 HCM-9 Master control station. Shpg. wt., 2 lbs.

$$
0-1+2-2
$$

bs.
for $110-120 \mathrm{~V}$. Shps. wt., 3 lbs 44 T 1219 REAF Flush Mounting box for HCA-1. Shpg. wt., 3 tbs.
 4411214 R8M-F Flush Mounting box for HCM-9. Shpg. wt., 2 lbs. 44 I 1215 HCR-2 Remote with doorbelt button. Shpg. wt., il lb. 44 T 1216 RBR-f Flush mounting box for HCR-1. HCR-2, Shpg. wt., 1 ib. Net 2.85

## WIRING REQUIREMEMTS

Run an unshield. cable in which the number of twisted pairs is 4 more than the total of control stations and remotes in the system. Between amp. and
closest control station run a 3 pair twisted cable; between each remote station and the most convenient control station run an unshield. pair.

| Stock No. | Belden No. | Cond. (pair) | wt. $/ 100^{\circ}$ | 100 f. coll |
| :---: | :---: | :---: | :---: | :---: |
| 32 T 1576 | 8740 | 2 (1 pait) | 13/4 lbs. | 2.40 |
| 3271578 | 8741 | 4 (2 pair) | 23/4 lbs. | 4.05 |
| 32 T 1580 | 8742 | 63 pair | $31 / 2 \mathrm{lbs}$. | 5.35 |
| 32 <br> 32 <br> 321582 | 8743 8754 | 12 26 $\left(\begin{array}{l}\text { (6 pair } \\ \text { 13 pair) }\end{array}\right.$ | 53/4 lbs. 10 los. | 8.40 16.80 |

## NEW! EMERSON • RITTENHOUSE AM/FM HOME RADIO-INTERCOM SYSTEM




No Money Down

## COMPLETE SYSTEM INCLUDES

## 1-AM/FM Master Unit

 3-Indoor Remote Stations 1-Entrance Remote Station1-Installation Kit with Plastic

Frames For Above Equipment,
AM/FM Amtenna, Low Voltage

Handsomely styled FM/AM home radio intercom system fills your home with the pleasant sounds of music, entertainment and news. Intercom permits instant room-to-room communication, monitoring and door answering. Radio is slienced automatically when intercom calls are made from any station. Twelve transistors and 5 diodes with tuned RF stage for improved FM performance. Up to 8 remote stations may be connected to master. All stations are designed for built-in installation in walls of $2^{\prime \prime}$ or more thickness. Color coded wiring simplifies connections. Powered by U.L. listed low voltage transformer (supplied). Complete system includes 1 RM- 16 master station with off-white finish and goid trim, 3 each RI- 17 indoor stations. 1 RO- 14 weatherproot door entrance station, AM and FM antenna, RT-28 low voltage transformer, plaster rings' for above and 165 ft . coll of 3 .wire intorcom cable. Dimensions: Master Unit- $141 / 2$ $\times 5 ; R 1-1773 / 4 \times 41 / 2^{*} ; R 0.1433 \times 5 \% / \%^{*}$. Shpg. wt., 14 bs . 44 4601wx $\$ 5$ Monthly

Additional Stations and Wire For Above System
44 T 4602w RI-17 Indoor Remote. Shpg. wt., 2 lbs. Net 6.95
32 Y 1452 100' 3-cond. Cable. Shpg, wt., 2 lbs.
Net 3.10

# Deluxe LAFAYETTE Telephone Intercoms 

## SOLID STATE ALL MASTER 2 AND 4 STATION BATTERY OPERATED TELEPHONE INTERCOM SYSTEMS

2 Station System

$19^{95}$

4 Station System

$39^{95}$

## No Money Down

2 STATION TELEPHONE INTERCOMS SYSTEM: Simple to install, provides all the privacy of regular telephones. Solid state circuitry transmits your voice over amazingly long distances. Battery powered. Operates on 4 " $0^{\prime \prime}$ batteries. Features a separate call button and a single push-to-talk button conveniently located on the phone-piece. Buzer indicates when you are being called. Requires 2 cinductor cable for hook-up. Beautifully finished in 2 -tone grey. Complate with 4 "D" batteries, battery case, and 30 wire staples. Size: each phone: $9 \mathrm{~L} \times 2 \mathrm{H} / \mathrm{H} \times 34 / \mathrm{s}=\mathrm{D}$. Imported. Shpg. wt., 2 lbs. 99 T 4621

Net 19.95
DELUXE 4 STATION TELEPHONE INTERCOM SYSTEM: An estremely flexible system for inter-office communications-greatly relieves traffic on over-burdened office switchboards. Also ideal for schools, stores, hospltals, restaurants and homes. Extremely versasle. Can be hooked up anywhere. Battery powered. Operates on $2{ }^{=0} 0^{\prime \prime}$ batterles. Advanced solid state circultry. Each phone-piece contains a separate call button and 3 station selector buttons. No need to waste time dialing. You can have private or conference calls. Buzzer signals when you are being called. Beautifully finished in wo-tone grey. Requires 6 conductor cable. With batteries and battery case and 90 wire staples. Size: each phone: 9 " $L \times 23 / 4$ " $\mathrm{H} \times 34 / 0^{" D}$. Inported. 99 T 4622 Shpg. wt., 8 lbs. $\$ 5$ Monthly

Net 39.95
99 T 6256 Extra " $D$ " batterles for above Systems ........ Net 巨a. . 15


## - Simple Call and Push to Talk Buttons

- Operates for Distances Up to 1000 Yards
- Each Phone has Its Own Junction Box for Wiring


## DELUXE ULTRA SELECTIVE 10 STATION HIGH SPEED TELEPHONE INTERCOM SYSTEM

$100^{\circ} 2$ conductor cable for 2 station system. Shpg. wt., 2 lbs 32 T 3052


WIRE FOR TELEPHONE INTERCOMS


In the above 10-station system up to 5 private conversations can be held si-multaneously-or any station may converse with any other station.

## LAFAYETTE Telephone Amplifiers and Bogen Telephone Intercoms

## BOGEN TELEPHONE INTERCOMS



No Money Down
(A) TG SERIES-SELECTIVE RING--COMMON TALK: aflows only 1 conversation at a time. "Conference" feature lets you talk to as many stations at once as there are receivers in the system. Two models are available to handle up to 13 stations. All stations are housed in impact-resistant gray plastic. Rubber feet on the base prevent sliding. Each handset has a $4 \cdot \mathrm{ft}$. cord, self-coiling to prevent snarling. Each station is supplied with a 6 - ft . master cable and a junction box for easy wiring and supplied ready for desk or wall mounting. An adhesive push-button-directory tape is supplied with each station, also includes provisions for paging with optional adapter. Each ra system requires a PRS-1A Power Supply ( 117 VAC 60 cycle). Shpg. wt., 5 Ibs. per unit.
T06A 6-Button, 7.Station Handset Less wire 44 T 1204

Net each 27.80
TQ-12A 12-Button, 13-Station Handset less wire 44 T $1205 \$ 5$ monthly

Net each 31.35 PRS-1A Power Supply (1 req. per system) Shpg. wt., 4 los. 44 T $1206 \$ 5$ monthly

Net each 25.00
(B) TSL SERIES-SELECTIVE RIMG-SELECTIVE TALK: BOgen TSL Phones will permit you to reach other indlviduals in their offices without depending upon an overburdened telephone switchboard. $100 \%$ trunkage permits as many as 8 conversations to take place at the same time, malying these phones an ideal choice for busy applications. Select the station with which you wish to converse, press the ring button. When the calied party lifts his handset, he is in direct communication with you. Phones may be desk or wali mounted. Each phone is furnished with snari-proof handset cord, $6^{\circ}$ master cable and junction box. Also includes provisions for paging with optional adapter. PRS-16 Power supply required to power each system. 44 T 1201 TSL- 88 -station phone, less wire

Net 39.50 44 T 1202 TSL-16 16 -station phone, less wire Net 47.00 44 T 1203 PRS-16. Power supply (1 required per system ..... Net 41.55

## WIRE REQUIREMENTS FOR GOGEN PHONES

Use 3 more unshielded conductors than the total number of phones in the system. Those listed below may be used between phones 32714523 conductor unshielded per 10003 the 32 T 1458 9 conductor unshielded per $100^{\circ}$ 54/4 lbs..............9.25 32 Y 149712 conductor unshielded per 100 51/2 $\mathrm{lbs} . . . . . . . . . . . . . . .10 .05$ 32 T 149525 conductor unshielded per 100 llitz lbs....... 26.40 Connect prs-16 power supply to any junction box with a short 3 conductor cable.

## PAGING ADAPTERS FOR BOGEN PHONES

For TQ and TSL series ONLY
$31^{65}$
No Money Down


Allows paging through any PA System from all phones. Simply wire adapter between your phone and PA system. Just press station button reserved for page and your message is transmitted thru the PA system. Size: $4^{\prime \prime} \times 4^{\prime \prime} \times 2^{\prime \prime}$. Shpg. wt. 2 lbs.
44 T 1227 Model TRA for TQ Serles
Net ea. 31.65
44 T 1228 Model TRC for TSL Series Net ea. 31.65

## NEW! Deluxe LAFAYETTE EASY-PHONE SOLID STATE TELEPHONE AMPLIFIER



195 - 4-Transistors

- No Warm-up, Instant Operation - No Pick-ups To Connect with batteries Amplifies Telephone To Room Volume The Easy-Phone amplifier is ideal for group conversation with one telephone in the room. Easy to operate: simply place the telephone on the amplifier, adjust the volume and everyone can listen through the separate matching speaker system, leaving both hands free for writing or typing. The Easy-phone utlilizes a 4 -transistor battery powered amplifier and inductive pick-up, in an attractive plastic case. Features separate $3^{\prime \prime}$ speaker, volume control, on/ off switch activated by telephone's weight, sturdy chrome plated runners. 81/4Lx31 $\mathrm{s}_{3}$ Wx 2\%."H. Supplied with miniature plug and jack for recorder input. Imported. Dimensions-Amplifier Section: $8 W \times 3 \% H \times 37$ rod. Speaker Section: $31 / 2 W \times 21 / 2 H \times 41 /{ }^{-1}$. Supplied with batteries. Shpg. wt., 3 Ibs. 99 T 9206

Net 12.95 99 T 6258 Replacement " $A A^{\prime \prime}$ Type Batteries ( 4 req.) ....... Net . 10

MINIATURE "SNAP-ON" SOLID STATE NEW! TELEPHONE AMPLIFIER And TELEPHONE HEARING AID


Efficient battery-operated telephone amplifier for use with any type of telephone. Amplifies incoming voice and projects it through a $21 / \mathbf{*}^{*}$ PM speaker. Suction cup on pickup coll attaches easily to telephone and makes permanent installation unnecessary. On-off switch and separate volume control permits adjustment of volume to desired level-several people may listen in on a conversation at the same time. Powered by 4 penlite batteries (supplied). Size: $21 / 2 \times 3 \times 41 / s^{\prime \prime}$. imported. Shpg. wi., 2 lbs.
99 I 9130 Net 8.55
99 T 6258 Replacement "AA" Type Batteries (4 req.) - Net ea. . 10

# Telephones for Intercoms \& Private Phone Systems 

DIAL PHONE
Have your own Private Intercom


- For Intercoms, Private Systems

Popular modern dial phone. Can be used to make complete srivate systems. Equipment taken from service, reconditioned and ready to work. Simple 3 -wire hook-up. Complete with handset, dial bell, inducton coil and connecting cable. General appearance may vary slightly from catalog illustration. Shpg. wt., 8 lbs.
4111801
$\mathrm{N}=\mathrm{t} 7.95$

## CRADLE PHONE $5^{95}$

Popular type Stromberg-Carlson cradle phone. Can be used as private telephone intercom. Re. conditioned and ready to work.
 Consists of handset and cradle, less dial. General appearance may vary slightly from catalog picture. Shpg. wt., 6 lbs.
44 Y 6501
Net 5.95

## "LISTEN-IN" DUAL TELEPHONE DEVICE



Only
$29^{95}$
Whth 6 Ft. Colled
Cord and Plus

- For Use As Intercoms Or Private Systems.

Add a touch of elegance to your decor with the "Princess-Dutchess" type dial phone. Can be used to make complete private systems or intercoms. Comes complete with built-in ringer, metropolitan dial (bells and numbers), ear piece, transmitter, and 6 th. colled cord with plug. Beautiful pearl white finish. imported. Shps. wt., 5 lbs. 441701

Net 29.95

## CONTINENTAL FRENCH PHONE



An exquisite reproduction of the classic French Cradle phone. Adds a touch of continental charm to your home - your phone will become a conversation piece. Equipped with American-made bell, ringer and Induction coil. Ideal for private phone systems, extensions, or inter. coms. Jncludes dial,horn, mouthpiece handset, cord and plug. FinIshed In beautiful ivory with gold trim. Imported. Shpg. wt., 9 lbs. 4 I $2301 \$ 5$ monthly Net 59.95

## WESTERN ELECTRIC TYPE SG-1 SOUND POWERED HANDSETS

Simple 2-way communications for miles. No batteries required. Just connect phone cllps to two conductor wire. Excellent for Private Intercom System, Construction, TV Installer, Nintels, or Camps, etc. Any number of handsets can be installed on one Hine. Complete with retractable cord and alligator clips. shper. wt. 4 los.

## 44 Y 11003

Net ea. 7.95
Set of two Handsets with 100 ft . of 2 Conductor Inside.Outside Wire.
44 Y 1804
Net 15.95

## 3 AND 4-CONDUCTOR COILED CORDS

As low as


4 conductor coiled cord extends to 5 feet, retracts to 10 inches All four conductors are vinyl insulated and terminated with metal spade lugs at each end. Ideal for telephone, push-to-talk microphone, headphones and many other applications. imported. Shpe. wt., 7 oz. 9914600

Net 1.39
3 Conductor Coiled Cord. Same as above but only 3 conductors. 9914601

100 Feet 2-Conductor Fwisted pair-unsnielded telepnone wire

## 3211303

# Telephone Answering and Recording Machines 

"TELEPHONE VALET"-AUTOMATIC TELEPHONE ANSWERING AND MESSAGE TAKING MACHINE


- Your Own Private Answering Service
- Answers Phone Calls With Up To A 60-Second Message
- Records Incoming Messages Up To 1 Minute In Duration With Any Tape Recorder*

The "Telephone Valet" is a reliable low cost automatic telephone answering and message taking device for nome as well as business. Simply put your phone on the "Valet" and then connect the "Valet" to a tape recorder* that operates with a remote control mike. No connections have to be made into the telephone line. Answers phone callers with up to a 60 second pre-recorded message. Incoming phone calls are recorded for up to 1 minute in duration. Can be played back at a later time at your leisure. All solid state circuitry. With AC/OC remote control terminal, recording switch, and built-in mike. For 110 V 60 cycle AC. Imported. Shpg. wt., 6 lbs. 27 T 1204wx $\$ 5$ Monthly

Net 09.95
27 T 7210 Extra Message Giving Tape Cartridge For Valet .. Net 4.95
COMPLETE ELECTRONIC TELEPHONE RECORDER AND ANSWERING SYSTEM


Only 3995
No Money Down

Complete system includes "Telephone Valet" and the Lafayette RK-85 battery operated solid state portable Cassette recorder. (See page 61 for complete description of the RK-85 Recorder). Includes all necessary connecting cables. Imported. Shpg. wt., 13 lbs. 27 T 7212WKM $\$ 7.50$ Monthly

SAVE 4.95
From Individual Catalog Pilces

## NEW DELUXE "TELEPHONE VALET 4400" SOLID STATE TELEPHONE ANSWERING and VOICE ACTIVATED RECORDING MACHINE FEATURING BUILT-IN CASSETTE TAPE RECORDER

 a message from the caller. Recording time is unlimited until tape ends. Features voice activation and simple push-button controls. With voice activated operating system, when a message is finished communication is cut off . . . and another message can be received. Also allows for separate use of the tape recorder only. Comes housed in a fine-grained walnut wood cabinet. Size: $121 \%, 0 \times 10^{1} / 4^{x}$ 3y, ${ }^{\prime \prime}$. Uses standard cassette cartridges. Comes with 60 min . cass. ette and microphone. Imported. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$.
21 T 7213wX $\$ 10$ Monthly Shpg. wt., 11 lbs. $\qquad$ Net 199.95
Accessory Cassette Recording Tapes for Telephone valets.
99 Y 1540 Lafayette 60 Min . Cassette. Imported. _net 1.35 28 T 0120 Lafayette 90 Min . Cassette. Imported
2.98

# Closed Circuit TV Cameras and Detection Devices Deluxe Solid State Closed Circuit Television Camera 

\author{

- For Security-Surveillance-Sale Promotion
}

High quality, moderately priced CCTV camera that has unlimited applications in industry, business, education, institutions, and the home, Easy to install-all cables supplied are terminated with con. necting plugs and leads. Simple to operate; can be used with eithe: a commercial video monitor or any standard television set. Solidstate circuitry-power consumed is very low, provides $=001$ and dependable operation. Lightweight, compact size permits inconspicuous mounting, and once focused the camera needs no further attention. Automatic Eye (through the lens light control): Provisions for hooking up an infercom for intercommunications between CCTV camera and television recelver location. Specifications: composite video output: 1.4 v P.P to 2.2 v P.P; RF modulated: more than 50 mv at 75 ohms. Scanning frequencies: Horizontal $15.750 \mathrm{Kc}_{\text {i }}$ vertical 50.60 cps synchronized to power line. "Horizontal resolution: More than 400 lines at center, vertical resolution: More than 280 lines at center. Camera comes complete with 25 mm 11.8 lens with adjustable iris, $C$ mount, lens cap, vidicon cap, $32 \cdot 75-0 \mathrm{hm}$ twin lead, 75:300-ohm line transformer and instruction manual. For 105 -120v., $50 / 60$ cycles $A C$. Size (less lens): $61 / 4 \mathrm{H} \times 31 / 6 \mathrm{~W} \times 101 / 2^{\prime 2}$ D. imported. 44 T $0801 \mathrm{wx} \$ 10$ Monthly. Shpg. wt., 7 lbs . Net 199.95

## ACCESSORIES FOR CCTV CAMERA

| Stock No. | Description | Shpes.wt. | Net ${ }^{\text {a }}$. |
| :---: | :---: | :---: | :---: |
| 15 T 7202 | Heavy Duty Tri.Pod | 21/2 lbs. | 11.95 |
| 17 T5304WX | 12* Television Receiver** | 20 lbs . | 77.95 |



- Use With Any Home IV Set or Commercial Monitor
- Switchable Output Signals, Composite Video: up to 2.2v P.P at 75 ohms, RF Modulated: 50 mv
- Automatic Eye
- Provision For Intercom Permits Simultaneous Sound with RF Video Signal.


## LAFAYETTE 7735A VIDICAN TUAE FOR CLOSED CIRCUIT TV CAMERAS

A small 1" diameter camera tube for televising live scenes in many Industrial closed circult TV systems. Its high sensitivity produces high quality pictures under normal room or industrial area lighting conditlons. Has 600 to 900 line resolution. Size: $61 / 4^{*} 1 . \times 1^{-0}$ dia. Imported. Shag. wt., $11 / 2 \mathrm{lbs}$.
99 T 3602wx $\$ 5$ monthly
Met 49.95

## TRANSMITTER DETECTOR

- All Range "Bug" Locator
Detects. Locates and Tunes in on All
Concealed Room or Telephone Transmitters
$79^{50}$
No Money Down


Highly sensitive, all range FM transmitter locator, Will detect any FM/RF transmitter in operation up to 75 feet. Audible and visual signals alert the user and locate the "bug." Actually tunes and reproduces the transmission so user can hear what is being broadcast. Solid state rellability - designed for professional use. Protects any area against electronic eavesdropping. Size: $614 \times 3 \geqslant 4 \times 2^{\circ} \mathrm{D}$. 15 T 3502L Shpg. wt., 2 lbs. $\$ 5.00$ Monthly
ONE WAY DOOR VIEWER only 994
Permits thru the-door identification without being observed. One way viewing only-you can look out, no one can see in. Provides wide-angle view-you can see anyone standing or crouching even at the side of the
door. Installs quickly with a simple hand drill. $1 / 2^{\prime \prime}$ in diameter, length adjusts to fit any standard door thickness up to $13 / 4^{*}$ thick. Cannot be removed from the outside. Rust-proof aluminum. Im. ported. Shpg. wt., 402.
14 T 6502
Net .99

- Widely Used in Concord, Panasonic, Unimetric and Other CCTV Cameras

Only $49{ }^{20}$ 95 Down DOOR ANSWERING INTERCOM SYSTEM


only 2495 nelues
1 Master Amplifier Control Station 1 Door Station
116 Volt Transformer
50 ft . of 2 Conductor Cable All Hardware Necessary For Installation

- Provides Protection-Identify Callers Without Opening Doors
A complete door answering intercom system designed for installation in new or existing homes. Easy-to use "talk-llisten" switch on master. Protects residents from unwanted callers. Inexpensive and easily installed.Comes complete with Master station, door station, transformer, 50 ft . of 2 -conductor cable, and all haritware necessary for instaliation. Shpg. wL., $14 y / 4 \mathrm{lbs}$.
4413705
_ Net 24.95
32 T 3052 Extra 100 ft . coil of wire
Net 1.09
PEN-SCOPE
- 8 Power Telescope
- 30 Power Microscope


8 power telescope with adjustabte sliding focus barrel that extends to over 8 inches, collapses to $51 \mu^{\prime \prime}$ and fits easlly in pociet. Barrel slips off to convert to a 30 power microscope. Nickel-plated metal case with pocket clip. Dia, only $5 / 16^{\prime \prime}$. Imported.
95 T 719 Shpg. wt., 8 oz.

# Hearing Aids And Ear Phones 

## SUB-MINIATURE HEARING AIO



## Lightweight!



- 25/8Lxly/8Wx $5 / 8$ Only 2 ounces!

A high quality, completely adjustable, hearing aid which weighs only 2 ounces. Features an advanced 4 transistor circuit, wide range volume control, crystal microphone, magnetic earphone, and a 4 position tone converter control. Three tiny ear plugs and a 3 ft . floxible cord are included. Supplied with leather carrying case, earphone, and battery. Shpg. wt., 1 lb . Imported.

| 99 T 9068L |  | 24.95 |
| :---: | :---: | :---: |
| 32 I 4875 | Extra Battery, Burgess NE type | Net .08 |
| 9979069 | Extra Plug in cord | Net . 55 |
| 99 T 9070 | Extra Earphone | Net 1.59 |



PRIVATE RADIO-TV LUSTENER


- Control Either Private Earphones or Remote Speakers
Simply installed unit allows normal use of TV or radio while adding controltable earphones or extension speakers. The hard of hearing may control their volume while others may listen at normal listening levels. May be operated up to 17 feet from set. Supplied complete with instructions, one earphone, and two earphone jacks. Imported. Shpg. wt., 1 lb .
99 f 9172
99 T254s Extra Earphone Net ea. 1.89
- T 254910 ft . extension cord
ea. 59
"WHISPER" BONE-CONOUCTION PILLOW SPEAKER
- "Sonic Transducer" cannot be heard at a distance


Sound is actually conducted through your plltow and bone to the inner ear. Not just another "pillow speaker." this patented device produces sound vibrations which are heard best when conducted to the inner ear by a solid pathway, rather than alr. No danger of disturbing others-even husband or wife asleep in the same bed! $21 / 2^{\prime \prime}$ diameter round ivory plastic case is only 5/8" thick. Supplied jack permits easy plugging into radio or TV. Imported. Shpg. wt. 8 oz. 9979073

Net 2.25

## CRYSTAL HEAOSET

- Under-the -Chin Design
- Lightweight
- Sensitive Crystal Element

This lightweight, under-the-chin crystal headset provides the utmost in listening comfort wherever a headset is used. This unit is characterized by a high sensitivity and is ideal for all applications where a very high impedance unit is required. This headset offers fine reproduction and comfortable listening in a lightweight design. Complete with 3 ft . cord and standard phone tips. Imported. Shpg. wt.. 502. 99 I 2550 Net 1.39

## Superex amariur phones <br> 

These earphones are made specially for the Ham and short wave listener. Comfortable, removable and replaceable vinyl foam ear cushions make long hours at the rig a real pleasure. Duat impedance, 600 and $4-16$ ohms, can be changed at plug. High sensitivity and a crisp cleap reproduction for that hard to read station. Shpg. Wt., $21 / 2$ lbs 40 T 8501

BEHIND-THE-EAR HEARING AID


- Weighs Only $1 / 2 \mathrm{Oz}$.
- Self-Contained Miniature UnitNo Cords
- Complete with Battery Charger, 2 Rechargeable Nickel Cadmium Batteries and Case
A fine unit combining good performance and very small size. Designed as a light and compact "ear-lobe" hearing aid. All components are contained in the flesh-colored high impact case, which is worn behind the ear. Weighs only $1 / 2$ of one ounce! Sound travels to the ear through a clear fube. Independent on-off switch and volume control. Operates 8 - 10 hours on a rechargeable nickel cadmium battery and $80-100$ hours with a non-rechargeable mercury cell. Complete with a handy battery charger capable of charging cells overnight. Imported. Shipg. wt., 1 ib .
99 I $90721 \$ 5$ Monthly $\qquad$ Net 62.95
32 T 4746 Rechargeable nickel cadmium cell for above Net 1.05
32 T 466 Pikg. of 6 Mercury cells for above $\qquad$ Net 1.92


## REMOTE CONTROL FOR SILENT TV YIEWING



## - Simple to Attach to any IV or Radio Set

- See and Hear-Noiselessly and Conveniently

FOR LATE LISTEMERS. One or two people can both see and hear the program with the loudspeaker cut off. Tops for enjoying the late-late show without disturbing the rest of the household or the neighbors.
FOR HARD-OF-HEARING. Hear without turning the set volume so hish that others can't stand the noise. It is possible to listen either with the loudspeaker cut off or, If the everyone wants to hear, with the speaker on.
FOR NOISY PROGRAMS view with the speaker off.
FOR NORMAL OPERATION it does not affect the regular use of the TV set. It does not have to be disconnected.
REMOTE CONTROL comes complete with 20 ft . of cable so it can be operated comfortably from a distance. Has its own volume control, speaker on-off switch, and two sets of jacks so either 1 or 2 ear. phones can be connected. Supplied with a miniature dynamic earphone. Highly sensitive and efficlent. Complete with 1 earphone with 3 ft . of cord and plug and control box with 20 feet of cable. Oniy $37 / 6 \times 2 \times 11 / 2^{\prime \prime}$. Instructions included. Shpg. wt., 3 lbs.
13 T0901 $\qquad$ Net 6.50
EXTRA EARPHONE. Shpg. wt., 8 oz.
99 T 2548
Net . 59
$10^{\prime}$ EXTENSION CORD for above.
99 T 2549 Net . 39


A real bargain-the convenience and advantages of earphone listening at an especially low price. This is an extremely efficient, double headset with adjustable headband, for private IIstening or for greater intelligibllity when there are distracting sounds and external noise. 4,000 ohms DC resistance. Has durable permanent magnets, removable earpiece and $34 / 2$ feet of extension cord terminated with standard headphone tips. Imported. Shpg. wt.. 12 oz.

## 93 T 2504

Net 1.79
HIGH DUTPUT CRYSTAL EARPHONE

- Mouthpiece allows Use as a Crystal Mike
High output crystal earphone with a plastic ear-insert and $5 \frac{1}{2}$ feet of flexible cord with a subminiature phone plug. Makes into a sensitive high impedance microphone by simply unscrewing the earpiece and attaching the included mouthpiece. Imported. Shpg. wt., $8 \mathbf{0 z}$.
99 T 2515
Met 1.09
Crystal earphone with phone-tips. 9972551


# Miniature Earphones \& Headphones 

## SUPER POWER DYNAMIC EARPHONE for transistor circuits

## - Powerful Efficient Magnet

Extra efficient construction and a powerful magnet provides excepfional performance. Ideal solution to the problem of low output in transistor circuits. You'll be amazed at the difference in volume, as well as its quallty of reproduction, when you use this dynamic earphone. AC impedance 7000 ohms. DC resistance 1500 ohms. Snap on earpiece. Complete with 3 ft . detachable-slug.in cord. Imported. Shpg. wt., 4 oz. 4017801


## 7 rigovise

- Detachable Plug-in Cord
- Flexible Plastic Support
- Excellent Sound Reproduction A sensitive dynamic earphone of exception. ally fine quality. Lightweight, conventent and comfortable to wear. A flexible polyethylene support holds the receiver securely in place for elther ear. The practically invislbie transparent cord is connected to the cased earpiece by means of a special plug. Provides clear reproduction with a pleasing tone quality. Complete with $3 . \mathrm{ft}$. cord. Shpg. wt., 5 02. Imported.
99 T 25436 -0hm Impedance with phone tip plug Net 1.09 99 I $25423000-\mathrm{hm}$ Impedance with phone 11 p plugs Net 1.19


## ECONOMY ALL-PURPOSE DYNAMIC EARPHONE

- For Transistor and Subminiature Receivers
- For Silent Radio and TV Listening

A sensitive alli-purpose earphone which is ideal for use with TV and radio sets, amplifiers, and transistor receivers. Lightweight and equipped with a practically invisible support which is comfortable over elther ear. Impedance 6 ohm, with a subminiature phone plug and a 3 ft . cord. Shpg. wt., 5 oz. Imported.
99 T 2548 1/8" dia. plus. $\qquad$ Net .59 Same as above with $x_{3}^{2}$ dla. plug 40 T 7901


DYNAMIC STEREOPHONIC HEADPHONES

\author{

- True Binaural Reproduction <br> - Lightweight-Less Than 2 Oz.
}

Choice of four types. Binaural units are equipped with two selamete transducers and cord sets for true dual-channel reproduction. Extremely sensitive, sound is carried through plastic tubes with removable earpiefes. Hinge permits adjustment to desired spacing. Less than 2 oz. total weight. Binaural sets may be used for monaural listening. imported. Shpg. wt., 602.


## BINAURAL HEADPHONES

99 T 1001 Binaural-Magnetic 6 ohms impedance $\qquad$
$\qquad$

## MONAURAL HEADPHONES

## 99 T 2546 Monaural-Magnetic- 6 ohms impedance 1.95 <br> 99 T 2547 Monaural-Magnetic- 5000 ohms impedance

## CLEVITE-BRUSH HEADPHONES

## $22^{00}$



Model BA-200-1 Rugged, sensitive, impedance, 45,000 orms. Response, $100-8,000 \mathrm{~Hz}$. With $5^{\prime}$ cord and headband and phone plug termination. Shpg. wt., 2 lbs.

## 40 T 8001

Net 22.00
Motel BA200-B. Same as above but wired for stereo use. Impedance, 90,000 ohms. With eyelet terminals.

## 40 T 8002

Net $\mathbf{2 2 . 0 0}$
262720 Ear Cushions. Custom foam cushions for above. Wt. 5 oz. 40 T 8004 Per pair net 1.50

## BOOM MIKE / HEADSET

Perfect for CB and Ham mobile needs. For use with VOX or foot switch for transmit-re. ceive changeover. 8 -ohm earphone with cushion. Crystal mike for high output and full modulation. Boom and headband adjustable. Mike mounted on swivel. With 5 ft., 4 conductor cable. Imported. Shpg. wt., ilb. 99 T 2565 For tube transceivers - Net 3.98
3000.0 mm impedance with subminiature plug and phone jacks

EXTENSION WITH MINIATURE PLUG \& ADAPTER

Perfect for extending earphone from transistor and portable radios. Extension up to 10 feet. Complete with minlature phone plug and adapter. Cable comes in attractive light pink color. Imported. Shpg. wt., 2 oz. 99 T 2549

## C. F. CANNON HEADPHONES


"CANNON-BALL" DOUBLE HEADSET
Low-priced, lightweight, with powerful Alnico $V$ magnets and double coils. Adjustable steel headband. $41 / 2 \mathrm{H}$. cord. With pin tips. 40 TB101 AM-15-2-2000 ohms OC
2000 ohm DC, with standard phone plug, vinyl headband 40 T 8111

## "CANNON-BALL" SINGLE HEADSET

Single efficient phone with spring steel headband and $42 / 2 \mathrm{ft}$. cord. Shpg. wt., 1 lb .
40 T 1104 AM-15.1

## - 1000 ohms OC

$\qquad$ 1.48
"CHIEF" HEADSET
Similar to above but all-Bakelite phones, double colls, alnico magnets and vinyl headband. Dlaphragm diameter 2 Kb ".
40 T 1106 CC11-11 ohms DC $\qquad$ Net 3.03

## BRANDES "ADMIRAL" HEADPHONES

"Matched-tone" headset Large diaphragms. Oouble coils, chrome steel magnets. Adjustable steel headband. $41 / 2 \mathrm{ft}$. cord. Shpg. wt., 2 lbs.
40 T $8107 \times B A-2-2000$ ohms 3.12

40 T 8109 BA-5- 5000 ohms

## REPLACEMENT CUSHIONS

Soft rubber cushion fits all above phones and most standard headphones.
40 T 5932 $\qquad$ Net per pair . 64
Oeluxe, super comfortable foam cushion. 40 T 5903

## —_ Net per pair 1.00



## REPLACEMENT CORDS, \& TIPS

Sturdy copper conductor replacement cords with cotton Insulation, 41/2 feet long, with terminations indicated. Double phone cord, except - is single cord.

40 T 5929 Spade and pin tip Net .57
40 T 5930 Pin tip both ends Net .57
40 T 5931 •Pin tio both ends
Net 39
Heavy plated tips. Takes up to No. 18 wire, 1" long, 402.
32 T 8524

## Telex Headphones and Microphones



## TELEX TELESET

(A) Lightweight (8 ounce) headseats tailored to the requirements of language laboratories, radio operators, and all general work. Fine stainless steel and plastic design delivers high sensitivity and faithful sound reproduc tion. Frea. Resp.; $50-10,000 \mathrm{~Hz}$. 5 - ft . durable vinyl-covered cord. Shpg. wt., 1 lb. 40 T 5901 Imp . 2,000 ohms Net 14.50 40 T $5902 \mathrm{Imp} .500-600$ ohms .... Net 14.50 Soft foam plastic cushions. Wt. 602. 40 T 5903 One air ACT-2 ............ Net 1.00

## TELEX MONOSET

(B) An under-chin headset ideal for secre. tarial office dictating machine use and private listening to radio, TV and recordings Anodized aluminum tone arms are fully adjustable and weigh only 1.2 ounces. Frequen cy response: $50-5,000 \mathrm{~Hz}$. Single detachable 5 ft . cord with standard phone plug eliminates fangling. Shpg. wt., 1 ib
40 T 5904125 ohm model HMV-2 .. Net 7.95 40 T 59052000 ohm model MMY-2 ...Net 7.95

## TELEX DYNASET

(C) This lightweight headset is excellent for every kind of communication use, Including office equipment, radio. TV and commercial applications. A magnetic driver element provides clear reproduction. Sound travels through 5 ft . tubing. With phone plug. Frequency Response: $50-5,000 \mathrm{~Hz}$. Shpg. wt. 602.

40 T 5906 Model HUP-01
Net 8.95

## TELEX TWINSET

(D) Banishes bothersome ear pressure. Tubular sound arms pipe signal to ears. Dnly 1.6 oz. F.A.A. approved for pilots. Complete with 5 ft . cord and standard phone plug. Shpg. wt., 10 oz
40 T 5908 . 500 ohms HTW. 2 ....... Net 14.50
40 T 59091000 ohms HTX-2
Net 14.50

## TELEX 1200 FOR LANGUAGE LABS

## $30^{95}$

$\qquad$

- Meets All Language Institute \& Governmental Specifications Deluxe headset with boom mike designed for language laboratory use. Oynamic headphone response is $20-20,000 \mathrm{~Hz}$. Dynamic boom noise-cancelling microphone response 100 . 8000 Mz . Headset impedance 600 ohms . With $1 / 4^{\prime \prime \prime}$ phone plus. White with gray trim. Shpg. wt. 1 lb
40 T 5945 Telex 1200-42
Net 30.95
Headset only, less boom mike.
40 T 5946 Telex 1210.04
Net 21.95


## TELEX TELE-FI

(E) Fidelity "in depth" with only one speak. er. The $1 / 2$ ounce continuous plece tone arm delays the sound to the ear opposite the speaker for one millisecond. This delay creates greater depth and clarity. Unlimited applications. A perfect leisure listening set for individuals with a hearing loss. 5 ft . flexible cord included. Shpg. wt. 6 oz .
40 T $5910 \quad 15$ ohm HFR-91 ...... Net 5.95 40 T 5911125 ohm HFV-91 Net 5.95 40 T 5912500 ohm HFW-91 ........ Net 5.95 40 T 5913 1,000 ohm HFX-91 ......... Net 5.95 40 T 5914 2,000 ohm HFY-91 ........ Net 5.95

## TELEX MAGNA-TWIN

(F) Rugged magnetic headset ideal for language laboratory, aircraft and mobile communications use. Response: $50 \cdot 10,000 \mathrm{~Hz}$. Includes 5 ft . cord, standard phone plug and foam earphone cushions. Shpg. wt., $11 / 2$ lbs.

WITHOUT MICROPHONE
MR-4 10,000 ohm impedance 40 T 5915

Net 18.95
MR-6 $500-600$ ohm impedance 40 T 5916

Net 18.95

## WITH BOOM MIKE

MRB-30 10.000 ahm headset. High imped. ance ceramic microphone, response $50-9000$ Hz . With 5 ft . cord and 2 standard phone plugs.
40 T $5917 \$ 5$ Monthly
Net 32.95
MRB-45 500.600 ohm headset. $50-\mathrm{hm}$ carbon microphone, response, $300-4000 \mathrm{~Hz}$. With 5 ft . cord and 2 standard phone plugs. 40 T $5918 \$ 5$ Monthly

Net 30.95

## TELEX 600 SERIES <br> MAGNETIC BOOM MIKE HEADSETS <br> As Low As $17^{50}$

Dual magnetic headsets with removable ear cushions. Light in weight-yet very rugged. Choice of 600 or 2000 ohm headphone im pedance. With 250 ohm noise cancelling dynamic boom microphone. $\dagger$ With High 2 ceramic boom microphone. Model 605 has single headphone only. All with 5 ft . cord and standard $1 / 4^{* \prime}$ phone plugs. Average shpg. wt., 1 lb.

| Stock No. | Type | Impedance | Net |
| :---: | :---: | :---: | :---: |
| 40 T 5937 | -600-1 | 600 hm | 19.35 |
| 40 T 5938 | -600-2 | 2000 ohm | 19.95 |
| 40 T 5939 | \$600-3 | 600 hm | 21.95 |
| 40 T 5940 | \$600.4 | 2000 ohm | 21.95 |
| 40 T 5943 | \$605 | 2000 hm | 17.50 |
| OUAL HEAOPHONES ONLY - LESS MICROPHONE |  |  |  |
| 40 T 5944 | 610-1 | 600 ohm | 6.95 |
| 40 T 5941 | 610.2 | 2000 ohm | 6.95 |

## TELEX TV LISTENER

(G) Cord clips allow simple and safe attach ment to any radio or TV. The control switches turn the radio or TV speaker on or off and control the volume through the earset. Listener complete with one earset, 15 ft listener cord, and 4 ft . earset cord. Shpg wt. 602
40 T 5919 LCP. 90
Net 9.95
Extra earpiece ELV-98. Allows two to listen at once. Shpg. wt., $1 / 4 \mathrm{lb}$.

## 40 T 5933

Net 2.95

## telex dynamic PILLOW SPEAKER

(H) New dynamic miniature pillow speaker gives the ultimate in tonal quality without distortion. For individual and institutional use. Safe and no complicated wiring neces. sary. Stainless steel, molsture proof hous ing. Size: $33 / 4$ "D. $11 / \mathbf{g}^{* \prime \prime}$ max. thickness Complete with a 5 ft . cord and standard phone plug. Shpg. wt., 8 oz . 40 T 59203.2 ohms SON-2A

Net 6.95 40 T 592110.000 ohms SOM-2A .... Net 9.95

## TELEX MAGNETIC PILLOW SPEAKER

(I) Ideal for radio or TV. Enjoy private listen ing in bed or in a chair without disturbing others. Great for late listening. Only $21 / a^{\prime \prime}$ diameter and 5/4" thick. Maroon waterproof plastic. Complete with 5 ft . cord and stand ard phone plug. Shpg. wt., 8 oz.
40 T 5922125 ohms SMV-2A
Net 6.95
40 T 59232000 ohms SMY-2A Net 6.95

## ACCESSORIES

CORDS AND CUSHIONS (J)
Stock No. Description With Nat 40 I 5924 ACV Foam Cush (F) pr. 1.50 40 T 5925 CCM $2,5^{\circ}$ Colled Cord (D),(I) 2.95 40 I 5926 CMM $2,5^{\prime}$ Repl. Cord (D), (I) 2.25 40 T 5927 CCT-2, $5^{\prime}$ Coiled Cord (B),(E) 2.95 40 T 5928 CMT-2, $5^{\prime}$ Repl. Cord (B),(E) 2.25

## TELEX MODEL BMH-1 BOOM MIKE HEADSET



Comfortable; weighs only $61 / 202$. For ship to shore, television and radio stations, citizens' band, and switchboard use. Tone arms pipe sound direct to ears. Boom rotates $300^{\circ}$. Headset impedance 500-600 ohms with 50 ohm noise cancelling microphone. 5 ft. cord with standard phone plug included. Shpg. wt., 1 lb .
40 T 5947 \$5 Monthly
Net 37.17

# FLY THE BIG SKYHAWK BY REMOTE CONTROL <br> COMPLETE OUTFIT: 

Plane. Receiver, Transmitter,
Batteries and Charger


No Money Down

## TESTOR'S R/C SKYHAWK

- Easy To Fly-ldeal For Beginners
- One Mile Range of Control
- Rechargeable Batteries with Charger

- Big 44" Wingspan-Length 27"
- Internal Combustion . 049 Engine

Completely assembled ready to fly radio controlled plane which incorporates true (pulse) proportional control for smoother, more realistic flight control. This plane is so easy to fly that it is recommended for beginners - no electronic or mechanical skill is required. Alrcraft fuselage constructed of virtually Indestructable super impact styrene. Wings and horizontal stabilizer are of super light styrofoam. Tricycle landing gear assures simple landings. High torqle . 049 cubic inch internal combustion engine has gas tank attached for 4 minutes of powered $l$ light. Super sensitive 9 transistor ssperhet receiver combines with a powerful dual coil. twin magnet actuator for superior reliability. 8 transistor 250 milliwatt transmitter provides up to one mile range control. Simple guidance controls include finger tip trim for basic in-flight stabllization. Heavy duty recharge-
able batteries are easily charged with convenient charger (inciuded). Complete with R/C Dlane, transmitter, battery charger, and illustrated flying instruction book. Shpg. wt., 9 lbs.
42 T 7301 wx for 27.145 MHz , $\$ 5$ Monthly $\qquad$ Net 79.95 MAIL OROER CUSTOMERS USE THE FOLLOWINE STOCK NUMBERS FOR THE SPECIFIED DESIRED FREQUENCJES. *See Note Below

| Stock No. | Frequency | Net |
| :---: | :---: | :---: |
| 42 T 7305 WXY | 26.995 MHz | 79.95 |
| 42 T 7306 WXY | 27.045 MHz | 79.95 |
| 42 T 7307 WXY | 27.095 MHz | 79.95 |
| 42 T 7308WXY | 27.145 MHz | 75.95 |
| 42 T 7309 WXY | 27.195 MHz | 79.95 |

## SKYHAWK SPECIFICATIONS

Length: Fuselage 27 - wing $44^{\prime \prime}$. Flying weight: 23 ounces approximately). Speed: 30 MPH True, Fuel Capacity: 4 Minutes powered

Filght. Transmitter: Single Tone AM Modulated Relayless Pulse. Receiver: Superheterodyne With Pulse Width Rate Decoders.

> * Mail orders on above Skyhawk, except Easy. Shipments made direct from Addison, Illinois; Pay, musi be accompanied by full remittance. transportation charges collect.

## REMOTE CONTROL MUSTANG GT OUTFIT



COMPLETE OUTFIT: MUSTANG, Receiver, Transmitter, Batteries and Charger

No Money Down

- Completely Assembled-Ready To Use
- Twin High Torque Drive Motors
- Rechargeable Batteries with Charger
- Electronic "Relay-less" Drive Control

Authentic 1/11th scaie model R/C Mustang GT. Fully as:.embled. Car body of alossy polystyrene. Durable chassis is tempered alumi num. Twin high torque orive motors are coupled to rear wheels through an electronically controlied 4 transistor rear end achieves true differential action! True (pulse) proportional circuitry permits feather-touch control. Guidance controls include steering (left-center-right). drive motor (start-stop) and speed (aikh-low). Super sensillive 9 transistor receizer combines with powerful dual coll. twin magnet actuator for superior rellability. 8 transistor 100 milliwatt transmitter provides colivenient control board. Heavy duty

## MUSTANG GT

Length: 16 inches. Width: 6 inches. Height 4 inches. Weight: 2 bs., 8 ounces. Speed: 100 MPH Scale. Turning Radius: 3 feet.
rechargeable batteries are easily charged with convenlent charger (included). Complete with $R / C$ model. transmitter, and baltery charger. Shpg. wt., 7 los.
For 27.095 MHz .
42 T $7303 \mathrm{wx} \$ 5$ Monthly $\qquad$ Net 79.95

* MAIL ORDER CUSTOMERS USE THE FOLLOW. ING STOCK NUMBERS FOR THE SPECIFIED DESIRED FREQUENCIES. *See Note Below.

| Stack No. | Frequencies | Net |
| :---: | :---: | :---: |
| 42 T 7310wXY | 26.995 MHz | 79.95 |
| 42 T 7311 WXY | 27.095 MHz | 79.95 |
| 42 T 7312 WXY | 27.195 MHz | 79.95 |

## PECIFICATIONS

Transmitter: Single Tone AM Modulated Relayless Pulse. Rectiver: Superheterodyne With Pulse Width Rate Decoders.

Shipments made direct from Addison, Illinois;
transportation charges collect.

## RADIO CONTROL TV BROADCASTING VAN

Only 95 - Remote Control for the Younger Set

- Operates with Inexpensive Batteries
less batteries Sturdy, metal, radio controfled TV broadcasting van operated by lightweight hand.held R/C transmitter enabling the young driver to control the Vw van via radio signals. Simple to operate, with a rotating parabolic antenna continuously indicating the direction in which the van will move. Transistorized circuitry requires inexpensive batterles - .two 1.5 volt "C" cefls and two 9 V transistor batteries - not supplied. Has antennas for both van and transmitter. Truck size: $74 / 2 \times 34 / 2 \times 37 /$ " $^{\text {; }}$; transmitter. $5 \times 2 \times 11 / 2^{\prime \prime}$. Complete outfit, less batteries. Imported. Shpg. wt., $34 / 2 \mathrm{ibs}$.
42 ₹ $1801 \mathrm{R} / \mathrm{C}$ Van (less batteries) Net 16.95 99 T 6257 1.5V "C"' Battery (2 required) $\qquad$ Net ea 99 Y 6021 9V Transistor Battery (2 required) Net ea $\quad 21$


# Citizen-Ship R/C SYSTEMS AND ACCESSORIES 

## ANALOG R/C PROPORTIONAL SYSTEM <br>  <br> $199^{95}$ <br> 

- Dual Simultaneous with Trim Controls, Plus Trimmable Motor
- Tone Modulated for Noise Rejection

Model APT-S Transmitter-Easy to operate single stick for Right, Left, Up and Down. High oulput from center loaded antenna. Low battery drain. Size: $27 / 4 \times 5^{5} 8 \times 6 \%$ "". Weighs $23 / 3$ lbs. with batteries. Model APR Receiver - Extremely sensitive. eliminates dead spots. Size: $111 / 6 \times 13 / 4 \times 21 / 6_{0}^{\prime \prime}$. Weighs $31 / 402$.
2 Model APC Proportional Servos - Closed lood feedback servos to be used on control surfaces. All nylon drive train for quiet, efficient operation. Temperature compensated by thermistor. Size: $25 / 6 \times 1$ 多 $\times 1^{\prime \prime}$. Weighs $23 / 902$.
1 Model APM Trimmable Servo - For motor control.
1 Printed Circuit Wiring Board - Complete with switch and 5 plugs and sockets. Interconnects servos, receiver and batteries: System Shpg. wt. 5 ibs.
42 T 191727.145 MHz ; less batteries_ $\$ 10$ monthly .... Net 199.95 Analog proportional system with single stick transmitter for $\mathbf{2 6 . 9 9 5}$, $27.045,27.195$, or 27.255 MHz . Shpg. wt., 5 lbs. ( $3-4$ whs. delivery) 42 T 1929 Specify frequency. $\$ 10$ monthly. Net 199.95 Same as 42.1917 except with APT Oual stich transmitter.
42 T 1915 27.145 MHz less batteries- $\$ 10$ monthly. Net 199.95 Dual stick sustem for $26.995,27.045,27.195$ or 27.255 MHz .
42 T 1927 Specify frequency. (3-4 whs dellvery) ...... Net 199.95 42 T 1916 Model APC Servo

Net 27.95
BATTERIES REQUIRED

| 4705 for apt or | Net | 1.36 |
| :---: | :---: | :---: |
| 32 T 4736 for APR. Nicad battery (4 req.) | Net ea. | . 97 |
| 32 T 4738 For servos. Nicad battery (4 req.) | Net ea | 1.80 |
| Alternate Ory Batteries |  |  |
| 99 T 6258 For APR plus Servos (8 rea.) | Net | 10 |

## 3 CHANNEL R/C DIGITAL

PROPORTIONAL SYSTEM MODEL DP-3


- Includes Proportional Motor Control
- Completely Wired . . Ready For Use

Consists of:
DPT-3 Transmitter: With bullt-in charger for airborne battery supply. DPR-3 Receiver: Superheterodyne. Size: $21 / 2^{\prime \prime} \times 17 / 0^{\prime \prime} \times 13 / 4^{\prime \prime}$., $33 / 4 \mathrm{oz}$. wt. Includes batteries.
3-DPC SERVOS: Powerfut 4 pounds thrust plus. High quality nytion gear train.
Wiring Board: Just plug individual units Into wiring board. Complete with connectors.
Battery: 4 cell Nicad Pack for Receivers and Servos.
Model DP. 3 for 27 MHz Frequencies: 26.995, 27.045, 27.145, 27.195 or 27.255 MHz . System Shpg. wt., 51 lbs.
42 T 1926 y Specify frequency ( 3.4 whs delivery) .......Net 233.75 FCC Type Accepted 72 MHz Operation on 72.080, 72.240, 72.400, 75.640. MHz

42 T 1923 Y Specify frequency ( 3.4 wks delivery)
254.95 Batteries Required
32 T 47059 volt battery for transmitter
Net 1.36


Now you can fly a system that moves the rudder only when you move the stick, steers your plane. boat or car in direct response to the movement of the stick. Battery drain is kept to a minimum-Servos use current only when a command is signalled. Has the power to move any size control surface, yet is light enough for a $1 / 2 \mathrm{~A}$ plane. Transmitter is high outpul digital type. Superheterodyne receiver works from servo battery. Servo is powerful feedback type. Decoder, Switch, Servo and connectors assembled on printed circuit mounting trav in a compact unit. Complete system. Shpg. wt., 3 lbs.
42 T 1924 For 27.145 MHz Only. S 5 Monthly
Net 84.95
DP-1 System for operation on $26.995,27.045,27.195$ or 27.255 MHz 42 T 1921 Y Specify frequency (3-4 wks delivery) ....... Net 84.95 $250 \mathrm{Ma} / \mathrm{H}$ Nicad Battery Pack for Receiver and Servo. Shog. wt., 802. 42 T 1922 Y Net 10.25
99 T 6294 Alternate Alkaline Batteries-4 req......................... 29 32 T 4705 g-volt battory for Transmitter................................ 1.36


CITIZEN.SHIP MODEL TCB CAM ACTION SERVO

- Ideal For Contest Work - Gives Variable Ratio

For use up to $140^{\circ}$ F. Operates directly from any standard reed bank. Features a variable push and pull ratio for slow start, smooth flying. and fast finish for quick recovery. Perfect for aileron and elevator. Weighs 3 oz. Uses 6 volts ( 4 penlight cells). Shpg. wt., 1 lb.
42 T 1909 Less Batteries
Net 20.75 $11 / 2$ Volt Batteries ( 4 rea.)
99 T 6258
Net ea. 10
MODEL TLB TRANSISTORIZEO LINEAR ACTION SERVO. Same as Model TCB except true linear motion-rack and pinion gearing. Ideal for motor and trim. Shpg. wt., 1 lb .
42 T 1914 Less Batteries
Net 21.75
$11 / 2$ Volt Batteries (4 rea.)
Net .10

## SE-2 ESCAPEMENT

## - For Relay or Relayless Operation



Select right or left rudder at will. Always starts from same neutral. One pulse gives Right; iwo pulses give Left rudder.
Operates from receiver batteries or two pencells 42 T 1907

Shpe. wt., 802
Net 6.75
99 T $625811 / 2$ Volt Batteries (2 req'd). . Net ea. . 10

## MULTI-PURPOSE ELECTRO SERVO MECHANISM



Operates with any single channel R/C re ceiver and transmitter. Requires 3 volts. Provides for steering and automatic return to neutral. Single pulse operation. Only $21 / 2 \times 2 \times 13 / 4^{\prime \prime}$ overall. Includes instructions and linkage to extend actuator arm. Shpg. wt. 8 oz. Imported.
99 T 9033
Net 4.95

## R/C MINAATURE CONNECTOR

Miniature 8 -pin plug \& jack weighs only $1 / 2$ 02. \& measures $1 x^{3 / 4} 4^{\text {" }}$. Many useful R/C ap olications! Imported. 99 T 9091

Net . 99


## R/C CENTER LOADING COIL ANTENNA

High efficiency. center loaded, 11-section telescoping antenna collapses to $81 / 2^{\prime \prime \prime}$ and extends to $54^{\circ}$. High Q chrome-plated brass antenna transfers maximum power for distant remote control. Imported. Shpg. wt., 1 lb.
99 T 9098

# R/C Transmitters, Receivers and Accessories 

## CITIZENSHIP MODEL SL-6 SIX CHANNEL ALL.TRANSISTORIZED HIGH POWER TONE TRANSMITTER

$59^{95}$

No Money Down

Operates RL-6 Reed Recelver, and all singte channel receivers on these pages. Features $F$ output from sillicon transistor and center loaded antenna; "contest type" lever switches, 4 -transistor tem-perature-compensated circuit for tone stabillity. Six adjustable tone frequencies from $350-650$ cps. Battery drain 50 MA. Anodized aluminum case with rub-
 ber feet. $67 \% \times 59 / 4 \times 23 / 4^{3}$. Weight $21 / 4$ Ibs, with battery. Complete with antenna, less battery. For 27.145 mHz 42 J $190127.145 \mathrm{mHz} \$ 5$ Monthly ....._._._._._._._._._._5 59.55 Model SL-6 for operation on 26.995, 27.045, 27.095, 27.195 or 27.255 mc .

42 T 1930 Y Specify frequency ( 4 wks delivery)
Net 59.35
32 T 47059 volt battery for above Net 1.36
CITIZENSHIP MODEL RL-6 SIX-CHANNEL TRANSISTORIZED
Net 1.36 RELAYLESS SUPERHET REED RECEIVER

## ONLY $43^{95}$

## No Money Down

- Companion to SL-6
- Light weight
- Ideal For Class I, II, and Pylon Racing


Especially designed for use with the Citizen-Ship SL-6 transmitter, the combination is ideal for Rudder (class 1), Intermediate (class i1), and pylon racing. Receiver operates 3 separate serves ( r ., ift.; up, down; high and low motor). 6 transistors, crystal controiled. Change frequency by changing crystals. High selectivity permits fiying up to 5 different models simultaneously without interterence. Current drain: 5 MA signal off, 15 MA signal on.
 TCB or TLB actuators required. For 27.145 mHz . 42 T $190527.145 \mathrm{mHz} \$ 5$ Monthly

Net 43.95 Model RL. 6 for operation on $26.995,27.045,27.095,27.195$ or 27.255 mHz .

42 T 1931 i specify frequency ( 4 wks deilivery) Net 43.95
32 T 4807 9-volt battery for above
Net .48

## 5-CHANNEL RESONANT REED HOBBY RELAY



Tuned to 266.0 Hz 280.8 Hz $313.0 \mathrm{~Hz}, 349.0 \mathrm{~Hz} \& 389.0 \mathrm{~Hz}$

Frequency tolerance $\pm 1 \%$. Especially adaptable to 5 channel remote control hobby tone receivers and Citizen Band tone signalling recelvers. May also be used as high stability, resonant reed oscillator control. Features low tuning error, good temperature stabhity. low driving require. ments. SPECIFICATIONS: (at $25^{\circ} \mathrm{C}$ ): Frequency stability: $\pm .002 \mathrm{~b} \%$ per degree $C$ over the range of - 40 to $+85^{\circ} \mathrm{C}$; Coll resistance: 600 Ohms DC $\pm 10 \%$; Threshold Sensitivity: 1.0 V rms to $2.0 \vee \mathrm{rms}$ al resonant frequency; Operating level: 6.0 vrms . Design frequencies; $(H z) \pm 1.0 \%$ REEDS: $A=266.0,8=280.8, C=313.0, D=349.0$. $E=389.0$ Constant rating 100 ma peak at 48 vac (resistance load, contacts $(t)$ in relation to reeds) weight 2.5 oz. Mounts with 2-6/32" tapped holes on back. Size: 1 Kaxi $7 / \times 14 / 4^{\prime \prime}$. Shog. wt. 8 oz 42 T 6101

## CITIZENSHIP MODEL TTX <br> TRANSISTORIZED TONE TRANSMITTER <br> $24^{95}$

This popular single channel tone transmitter measures $31 / 4 \times 51 / 2 \times 17 /{ }^{\prime \prime}$ and weighs only 1202 . with battery. $100 \%$ collector modulated (no reduction of RF signal with modulation). Operates on single 9 V battery; requires no license. Operates R/C pack with SE-2 Escape. ment and with SSH-P recelver giving rudder, or rudder and motor control. High efficiency externally loaded antenna. Printed circuit chassis. 99 milliwatt input. For 27.145 Mc. Shpg. wt., 2 lbs. 42 H 191327.145 mc less battery
Model TXX for operation on 26.995, 27.045, 27.090, 27.195 or $27.255 \mathrm{MHz}^{2}$
42 H 1932 CY Specify frequency ( 4 wks delivery)
Net 24.95
32 H 4704 9. Volt Battery (Burgess 2N6) Net 1.30

## CITIZENSHIP

## MODEL SSH-P RECEIVER

- For Pulse OR TTX Transmitter Operation


## $27^{95}$

- Single Channel 7


## Transistor Superheterodyne Receiver

- $1 \%{ }^{\prime \prime} \times 1 \% "^{\prime \prime} \times 3 / 4^{\prime \prime}$, Weighs Only 1 oz.
- Permits Flying in Smallest R/C Planes

This extremely versatile 7 Transistor miniature $R / C$ Recelver features excellent selectivity. Permits flying up to 6 models simultaneously with no interference. It is ultra sensitive and can be flown to Ilmit of sight. Especially reliable superhet relayless circuit design and will not "swamp" at any distance. It is crystal controlled and you simply change crystals to change frequencies. Uses sllicon transistors in critical temperature-sensitive circuits. Also has rugged crash proof epoxy glass printed circuit board. Operates on 2.4 to 4.5 volts DC with an ide current of 6 ma . No width drift with rate change. May be used with Madel TXX (no license required) Transmitter. Shpg. wt., 8 oz. For 27.145 mHz .
42 T 193527.145 mHz
Net 27.95
Model SSH-P for operation on 26.995, 27.045, 27.090, 27.195 or 27.255 mHz .

42 T 1937 Y Specify frequency ( 4 wks delivery)
Net 27.95
$11 / 2$-volt Penlight Batteries (2 Required)
Nel 27.95

## LITTLE "JEWEL" REMOTE CONTROL RELAY

- The Mighty Mite of the R/C Field - Weighs less than $1 / 202$.
- Size: $3 / 4{ }^{\prime \prime} \mathrm{H}, 17 / 32^{\prime \prime} \mathrm{W}, 1 \mathrm{~K} 6_{6}{ }^{\prime \prime} \mathrm{L}$

A natural for remote control receivers, it is highly sensitive, and built to withstand severe crashes. The smallest commercial job available, it weighs less than $1 / 2 \mathrm{oz}$. Factory adjusted to pull in at 1.4 MA drap out at 1.2 MA D.C. Single pole, double throw. Used in outstanding R/C receivers. 5,000 ohm coil. Imported. Shpg. wt., 1 oz. 99 T 6091

### 27.255 CRYSTAL . $005 \%$ TOLERANCE!

Designed for use In R/C model planes, boats, cars, etc., as well as on channel 23 of class "D" Cltizens Band Equipment. Type HC-6/U holder: Pin spacing .493: Pin dia. .050". 46 T 18 Specify channel 23 Net 2.25
 Net 1.95 42 T0901 Crystal Sacket for above Net $\quad .36$

## Exciting Kiits for the Experimenter LAFAYETTE "EXPLOR-AIR"" 4-BAND RECEIVER KIT



Made in U.S.A.

Lafayette's sensational shortwave receiver kit is a complete shortwave and standard broadcast set which covers the entire region from 550 kHz to 30 MHz . Four whole bands of fascinating programming. Perfect for language students and shortwave listeners. Only a regenerative circuit can offer such amaring performance and yet be so simple to build. Bullding this fine kit is an absolute pleasure-it's so well designed you can't go wrong. Kit includes all the parts you need. and the detailed step-by-step instruction book with its glant pictorial drawings shows you just how to put them logether. One front panel knob does all the bandswitching, immediately taking you from band to band. All coils are prewound for greater accuracy. Complete 4 band coverage of broadcast stations, international broadcast bands, amateur, maritime, and wWV time

## 20 WATT STEREO SOLID STATE AMPLIFIER MODULE

- Covers 10, 15, 20, 40, 80, 160 Meter Amateur Bands
- Tunes International Broadcast, Citizens Band, Maritime, Aeronautical and WWV Time Signals
- Covers Standard AM Broadcast Band
- Complete Band Switching from Front Panel
- Bandspread Tuning
- Built-in $4^{4}$ Speak

TUNE IN

## THE WORLD!

signals. Big $4^{\prime \prime}$ speaker and sensitive circuit with $50 C 5$ output stage and 12AT7 regenerative detector and amplifier stages give you all the volume you want. Phone jack for privacy automatically disconnects speaker. All controls are on the front panel: On-Off Volume, Main Tuning, Band Spread, Bandswitch, Antenna Tuning. and Rezen. eration. 110 volt 50.60 cycle AC.DC power supply. Size: $10 \times 7 \times 5^{\prime \prime}$. 19 T 0905 (less Cabinet) wt., 5 lbs.

Net 22.95
Shortwave antenina kit for above. Shpg. wt., 2 lbs. 32 T 3098

Net 1.50
Leatherette covered Wooden Cabinet for above. 1 lb 19 T 0906

Net 2.85

## 8 -WATT STEREO SOLID STATE AMPLIFIER MODULE



A complete 4 -control stereo amplifier with 2 -IC's and 6 -transistors which provides 4 watts RMS per channel; 8 watts continuous power total output! The four controls allow separate volume. balance, bass and treble adjustments. The direct couple comple mentary symmetry circuit gives a true Hi -Fi response of 45 Hz to $20 \mathrm{kHz} @-3 \mathrm{db}$. 1 Meg input impedance allows this amp to be used with a wide range stereo crystal cartridge, FM tuner or other 1.5 volt source. Use with 8 ohm speakers to give top performance. The amplifier includes power supply components ( 2 diodes, 1 filter capacitor) except the power transformer. Dimensions: $71 / 2^{\prime \prime} \times 11 / 2^{\prime} \mathrm{W}$ $\times 31 / 2 " D$. Shpg. wt., 2 lbs.
19 T 0914
Net 14.95
Power transformer for above amplifier module. 19 T 0918

Net 2.95

## LAFAYETTE KT-92 5-WATT PUSH-PULL AMPLIFIER KIT

- Push-Pull Audio Output Stage-Inverse Feedback Circuit
- Separate Volume, Bass \& Treble Controls
- AC or DC Operation

Here in kit form is an AC-DC hi-fi amplifier that presents deluxe features despite its amazingly low price. The separate bass and treble controls permit adjustment of both low and high frequency response and balance. Works equally well with both crystal or ceramic car. tridges. Tube line-up consists of a $12 a x 7$ amplifier and phase inverter, palr of 35C5's in push-pull, having a power-packed lowdistortion output plus a 35 W 4 rectifiep. The circuit utilizes an inverse feedback loop to reduce the level of hum and distortion. Kit is complete containing all essential parts, tubes and detalled instruction manual showing pictorial and schematic diagrams. Shpg. wto, 4 lbs. 19 T 0101

Net 12.95

made in U．S．A．

## LAFAYETTE WIRELESS BROADCAST／AMPLIFIER KIT

## Use it either as a AM Wireless Broadcaster or Audio Amplifier！

$\square$
－Clean，Modern Styling－Powerful Signal
－Works With All Crystal and Magnetic Mikes and Phono Cartridges
－Plays Through All AM Radios
Treat yourself and your family to hours of fun with this Lafayette Kit．Make your own radio programs，announce ments，etc．through AM radios anywhere in the house without wires or extra gadgets．Designed for easy construc tion by youngsters，it combines in one compact unit a powerful 3 －tube wireless broadcaster and an audio amplif． fier．Clearly written instruction manual makes it a cinch to build．Operates on any frequency between 900 and 1600 kHz on your radio dial．It will accept any crystal or magnetic microphone．In addition，it may be used directiv as a phono or microphone amplifier．No external preamp is required．Simple slide switch permits either form of opera－ tion．Just connect it to a PM speaker（ $4-16$ ohms）．Conforms to FCC regulations and is designed to provide voice or rec－ ord broadcasts．No license or permit is necessary．Corm－ plete with crystal clear instruction manual．Less Mike．For $105-125 \mathrm{~V}$ AC or DC．Attractively styled metal cabinet．Size $4 \mathrm{Hx} 8 \mathrm{~W} \times 4 \mathrm{H}^{\prime D} \mathrm{D}$ ．Shipg．wt．， 3 lbs．
19 「 0903
Net 15.55
Same as abeve，but factory wired \＆tested． 19「0908

Net 19.55
Crystal microphone for above，Desk or hand held． 5 ft ．cable． Shpg．wt．， 1 ID ．Imported．

Net $1 .{ }^{-5}$ 99 T 4543

## （A）LAFAYETTE SUPER－SENSITIVE PHOTOCELL ELECTRONIC RELAY KIT

－Adjustable Super Sensitivity－Works with Just A Flashlight At 250 Feet！

Ideal for sustained operation required for burglar alarms，door buzzers and for instantaneous on－off operation required for counters， packaging，door opening，motor activation plus countless industrial applications．Switch converts unit from instantaneous＂on off＂to sustained＂on＂operation．＂RESET＂switch opens the external circuit and turns off the alarm．The unit operates on 110 volts $A C$ and incorporates the efficient 5823 cold cathode tube．A simple change in wiring（in instructions），as well as convenient input ter－ minals，enables you to supply the external circuit with any desired voltage．Relay contacts rated at 3 amps permitting up to 300 watts external load on 110 Volts AC．Complete with all parts，photocell． tube chassis，silkscreened metal cabinet and easy－to－follow lilustrated instructions．Size： $3 \times 4 \times 5^{\circ}$ ．Shipg．wt．， 3 lbs．
19 T 0904 Compete Kit
Net 16.95
ACCESSORIES FOR ABOVE
Electric Bell， 110 V AC Imported．Shpg．wt．， 2 oz． 99 T 9023

Net 1,39
Electric Buzzer， 110 V AC Imported．Shpg．wt．， 10 oz． 99 1 9024

Net 1.79
6 Digit Electric Counter Imported．Shog．wt．， $11 / 2$ lbs
Net 10.95
［⿴囗十⺝丶 LAFAYETTE LIGHT SOURCE KIT
Used to actuate electronic relay．Unlike units using sealed Deam， this light source is carefully designed to throw a narrow beam of light so relatively small objects and people will＂break＂the beam． Unit includes adjustable focus and infra－red filter to make beam practically invisible．Range：white light－70，infra．red 45＇，with instructions，Size： $6 \mathrm{~L} \times 5 \mathrm{H} \times 4^{\circ} \mathrm{W}$ ．Shpg．wt．， 5 los．
19 T 0911
Net 9.95
Replacement bulo for above．GE No． 1700.
32 T 6688
Net 69

## LAFAYETTE 2OIN－1 TRANSISTOR EXPERIMENTERS KIT

Fun To Build－Educational－ and all 20 projects result in a useful working instrument！

## PROJECTS YOU BUILD

1．TRANSISTOR TESTER
2．VOICE ACTUATED ALARM
3．PHOTO TIMER
4．AUDIO AMPLIFIER
5．CRYSTAL SET
6．SOLAR RADIO
7．RAIN GLARM
8．TIMER
9．ONE TRANSISTOR RECEIVER
10．CODE PRACTICE OSCILLATOR
11．METRONOME
12．TWO TRANSISTOR RECEIVER 13．ELECTRONIC RELAY
14．HOME BROADCASTER


## 15．PHOTO ELECTRIC RELEY

 16．BURGLAR ALARM 17．WIRELESS TRANSMITTER18．REGENERATIVE RECEIVER 19．CITIZENS BAND MONITOR 20．hudio oscillator

Excellent for beginners as well as advanced experimenters，this kit enables you to build and learn about 20 interesting and useful transistor circuits．By utilizing＂Breadboapd＂construc－ tion，each project can be simply wired and traced．After beilding the basic circuit，any of the 20 projects can be built by simply inserting a few preasse nbled component blocks and inter－ connecting leads between them．A soldering iron is only required for the basic wiring and not for subsequent projects．All wiring is covered in a step－by－step manner by the instruction manual．Each of the 20 projects is clearly presented with step－by－step instruc－ tions，large easy－to－read pictorial wiring diagrams，schematic diagrams，and an explanation of the circuit behavior．The hit is complete with perforated mounting board， 2 －transistors， 1 － diode，earphone，and all other parts required for construction．The detailed 28 －page instruc－ tion manual contains a wealth of information about each project．Less batteries．
19 T 0902 Complete．Shpge wt．， 6 lbs．
Net 18.95
99 i 6258 Z Cell Battery for Kit projects
32 T $4723221 / 2$ Volt Battery for Kit projects

Net | 10 |
| :--- |

Make Lafayette Your One Dependable Source for Everything in Electronics

2 bands cover both standard broadcast 540 ． 1620 kHz and shortwave $5.8-18 \mathrm{MHz}$ which 1620 kHz and shortwave $5.8-18 \mathrm{MHz}$ which
includes international broadcast， 40 and $20-$ meter ham bands and some of the aeronay－ tical and marine bands．Superheterodyne circult has high gain IF＇s，built－in broadcast band loop antenna．Comes complete with lvory cabinet $4^{\prime \prime}$ PM speaker，tubes（12BE 6 ， 128A6．12AV6，50C5，plus 35W4 Rectlfier） and all parts．Easy to follow step－by－step and all parts．Easy to follow step－by－step ternal antenna（not supplied）．Slze： $81 / 4 \mathrm{Wx}$
$5 \$ / 4 \mathrm{H} \times 51 / 4 \mathrm{D}$ ．For 110 V AC or DC ． ternal antenna（not supplied）．Size： $81 / 4 \mathrm{Wx}$
$5 \$ / 4 \mathrm{H} \times 51 / 40 \mathrm{D}$ ．For 110 V AC or DC．
19 14007 Shpg．wt．， 5 lbs．
Net 17.95

## SHORTWAVE AND SUPERHET BROADCAST RADIO KIT



## $17^{95}$

# Educational Computer and Kits 

## GENIAC ${ }^{\text { }}$ COMPUTER KITS



DOUBLE GENIAC

For Schools, For Science Fairs, For Advanced Experimenters

- Over 800 Parts
- Computes, Reasons, Plays Games
- Composes Music, Forecasts Weather - Design Your Own Computers

The newest kit in famous Geniac series The "Double" Geniac contains over 800 parts. Two of everything in the Standard model. Offers the advanced experimenter a far wider range of activitles. Perfect for school demonstration. Multiple setup is ideal for Science Fair projects-submit one or more designs. Build "electric brains" that test intelligence-code and decode-add, subtract, muttiply and divide-solve puzzles
-play games-forecast weather-reason in syllogisms-information and logic circuits. No soldering required. Easily assembled and operated. 64 page guide and reference book, beginners manual, wiring diagrams and many extra pamphlets outtining projects and meth. ods. Complete with mounting rack and batteries. Shpe. wit. 12 Ibs.
19 T 3803
Net 18.95

## STANDARD GENIAC

You bulld up to 125 exciting "electric brain" machines. Has special circults for forecasting weather. No soldering required. Comes complete with extra pamphiets including 64 paze "Simple Electronic Brains and How To Make Them." "Symbolic Analysis of Relay
and Switching Circuits," "Beginner's Manual," "Machine to Compose Music," wiring diagrams, etc. Complete with battery. $161 / 2 x$ $113 / 4^{\prime \prime}$. Shpr. wt., 6 Ibs.
19 T 3804
Net 11.95

## Minivac 601 computer



## Your Rewarding Introduction to the

## Exciting Computer Field - Performs Functions of Full Size Computer - Solves Scientific \& Business Problems

The 601 demonstrates how computers operate, what they can and cannot do by simulating computer applications in business, science and military, It can learn, remember, calculate, and make decisions. Indispensable to teachers, businessmen who need to keep up with modern technology, a first harid opportunity to explore space age techniques and experimentation. A set of six comprehensive manuals are provided with each Minivac 601. These provide step-by-step experiments demonstrating how comouters do arithmetic. Use logic, provide automatic control, and language transtation... It even plays zames as an opponent, partner or referee. The Minivac is ready to use the moment you unpack it. Operates on a low 12 -volt sys-tem-It is safe to use as an electric train. Minlvac consists of a $24^{\prime \prime}$ console with 12

Indicator lights. 1 circuit breaker; 6 DPDT memory storare relavs: 6 secondary memory storage switches; 6 data input push buttons; 16-position switch (motor driven); game matrix; 194 dual terminals and 100 orneram wires. The console measures $24 \times 13 \times 51 / 2^{\prime \prime} \mathrm{H}$. Shpr. wt.. 17 lbs, Power input 110 V AC. 19 T 6101 Wx $\$ 9$ Monthly ..........Net 165.00

MINIVAC 6010. A deluxe version of the 601 which is capable of handling a larger varlety of more advanced computer programs. Ideal for industrial use. A seventh capacito-/resistor manual will accompany the 6010. Now with the additional features of individual protective dust covers for relays, improved slide switches and oush-buttons for tighter specs and ereater reliability, wt., 20 tbs. is T $6102 \mathrm{WX} \$ 15$ Monthly.... Net 298.00

# GENIAC ${ }^{*}$ PORTABLE MEMORY CARD FILE 



How to file a card in 25 places simultaneously.
For the busy scientist, engineer, teacher, businessman or student who must keep basic Information on file. NOW the Geniac Portable Memory Unit, (PMU), a low cost information retrieval system can conservatively sort 400 cards per minute-using no electrical parts or gadgets. Sorting ls by rods. Information is coded into the cards by matcto ing prepunched holes around the edge of the card. No previous knowledge is necessary. Once coded the card Is filed at random and will automatically appear during sorts. Includes a single hand punch, sorting rods and 200 cards. Shpg. wt., 6 lbs.
19 T 3801
Net 14.95
Oouble Punch: For use when more extensive coding requires punching of double rows. 19 T 6501

Net 9.00
Additicnal Cards, pkg. of 100
19 T 3802
Net 3.92

## MASTER FILE

Includes same components as above plus filing cabinet and 1200 cards. Shpg. wt., 19 lbs.
19 T $3806 \$ 5$ Monthly
Net 49.95
filing cabinet oniy. Shpg. wt. 7 lbs 19 T 3807

Net 8.95

## ANALOG COMPUTER KIT



- Ideal Introduction to Basic Elements of Analog Computers
- Work Over 50 Experiments
- Easy-to-Assemble with Screwdriver and Pliers
- Learn the Way to Sound Scientific Knowledge
Analog Computer Kit offering a basic introduction to computer theory-gives accurate answers to practical problems. Perform over 50 experiments - multiplication, division, powers, square roots, rocketry, interest, radio-active decay, light, kinetic energy, etc. Level of accuracy better than $5 \%$, The computer consists of a masonite, solid Instrument panel, kits, potentiometers, meter specially calibrated scales, gulde and operating booklet. Easy-to-assemble.
19 T 3805 Shpg. wt., 6 lbs.
Net 14.95


## Science Kits



- Quick Easy Peg Board Assembly
- Safe - Educational

Build any of 23 useful operating projects including 3 transistorized radio receivers, 5 amplifiers, 2 code trainers, burglar alarms, intercom, raln indicator, electronic organ. light meter and other interesting projects. No soldering, no tools required. Template for each model placed on peg board for quick easy guide. All parts mounted with pressure springs. Step-by-step details with pictorial charts in large 72 -page instruction manual with section on general theory. All powered by a single 9 volt battery. Absolutely safe. Size: $141 / 4 x$ $101 / 4 \times 21 / 2{ }^{2}$. Imported. Shps. wi., $41 / 2$ lbs.
19 I 6301 Less Battery
Net 21.95
32 I 4898 Battery for above

Net 1.36

NORELCO MECHANICAL ENGINEER KIT

## $29^{95}$

- Over 600 Parts
- Over 30 Projects
- For Age 9 up


ELECTROCRAFT MASTER ELECTRIC BUILD-IT SET

An advanced but completely safe educational kit in the fleld of electriclty that enables the student to make any one of over 30 projects including motor driven hot rod, motor driven speed boat, lamp, flashlight, electro-magnet, telegraph set, traffic slgnal, electric crane and many others. All projects are battery operated. Easy-to-read, lllustrated 76 -page instruction manual. Size: $211 / 2 \times 131 / 2 \times 21 / 4^{\prime \prime}$. Shpg. wt., 5 lbs.
19 I 6402 Less batterles
Net 0.95 Batteries For Above
99 T 6256 " $D$ " 2 required ...Net ea. . 15 99 T 6258 "AA" 2 required

Consisting of over 600 components. this kit promotes understanding of fundamentals of sources of energy such as mechanical. water pressure, air pressure, gravity, and electro-mechanical. Bullds anyone of 32 educational operating models including electricar windmili, water turbine with dynamo, compressed air motor with pump. crane, electric pile driver, water pump clocks. etc. Includes special electronic section for combined projects with electronic kit at left to bulld 13 more projects including electronic car which reduces speed in dark and turns on headlamps - all automatically. Size: $211 / 4 x$ $107 / 8 \times 13 / 4$. Imported. Shpg. wt., 6 lbs.
19 16302 Less batteries
Net 29.95
99 I 625 Battery for above ( 6 required)
Net ea

## RAYTHEON-LECTRON EDUCATIONAL KITS

- Endless Hours Of Creative Fun and Learning
- No Wiring-No Soldering -No Tools Required
- All Parts Connect Magnetically
- Intermediate Set Builds 22 Projects
- Deluxe Set Builds 27 Projects

Kits consist of domino-like see-thru plas tic components complete with transistors, capacitors, etc. These are connected mag netically simply by matching them to the diagram in the 64 page manual. When assembled, circuit symbols on the blocks form a schematic diagram. Manual covers basic theory as well as projects. Two kits are available.
IMTERMEDIATE SET: Covers 22 working experiments and projects including radio receivers, electronic organ, rain-molsture

indicator, audio amplifiers, light dimmer, and many others. Shpg. wt., 4 lbs. 19 T 1802

Net 17.95
OELUXE SET: Covers 27 experiments and projects including more advanced radio with speaker, intercom, volce transmitter, public address and telephone amplifier, automatic night light, elc.
19 T 1803 shpg. wt., 5 ths. Net 25.95 9 Volt Battery for either kit above. 99 T 6021

Net 21


This radio covers the standard broadcast band from 550 to 1650 kHz and a shortwave band from 3 to 13 MHz . Modern circuitry with enough audio to drive a built-in $31 / 2$ inch speaker. Be rewarded with the satisfaction of having built a radio which will actually pull in standard broadcast, amateur and other shortwave stations. Includes punched chassis, grey hammertone panel, $34 / 2^{\prime \prime}$ speaker, pictorial and schematic diagrams, and easy-to-follow instructions. Complete with all hardware: less solder, wire and tubes. Tubes requlred: 1$35 W 4$ : 1-50C5 and 1-12AU6. For $105-125$ volts, AC or DC. Shpg. wt., 4 lbs.
19' 5801 MDOEL 7001CR.
Net 14.50

The Black Light Kit enables you to see the invisible. Guaranteed completely safe and harmless. This kit allows chlldren to sfudy the phenomena of fluorescence and phosphorescence. Set contains black light. socket and cord. laboratory lamp stand, 4 jars of fluorescent paint. Invisible ink, invisible crayon, tracer powder, 3 fluorescent mineral specimens. phosphoragram, optical bleach. brushes and pen, and a pkg. of fluorescent materials. Enables the student to perform endless numbers of fascinating experiments. The amply illustrated 48 page booklet "The Story of Black Light - The Unseen World Around Us." explains the use of black light in fields. such as mineralogy, electronics. crime detection, medicine, stamp collecting. and many others. Shpg. wi., 4 lbs.

Net 12.95
19 1 1302 Replacement U.V. Bulb for above
Net 3.40

# LAFAYETTE Solid State Modules <br> FOR HOBBYISTS, EXPERIMENTERS AND KIT BUILDERS 



# Low as -98 

\author{

- Fully and Permanently Encapsulated <br> - Pre-Tested for Performance <br> - With Instructions and Parts List
}

Lafayette semiconductor modules are especially designed for many ducational, enroyable, and useful projects. Each permanent module encapsulates the complete solid state circuit required for each project, less accessories. With a few additional simple connections to
accessories on facing page such as batteries, speaker, etc., you create an enjoyable and practical device. Every module is carefully checked for rellable performance. Supplled complete with instructions and parts list. Size: Approx. $11 / 4 \mathrm{~L} \times 11 / \mathrm{WW}^{\mathrm{m}}$. Shpg. wt., 8 oz.

## ELECTRONIC SIREN MODULE

Complete solid state electronic circuitry ready for Immediate use as a modern efficlent high volume siren. It will drive any 8 ohm P.M. speaker to a very high level of attention-getting volume with an upward scream and downward wail. Use with: A, H. I J. See accessory list on facing page. 19 I 5505
BURGLAR ALARM MODULE WITH SIREN ALARM Protect your home, car, boat, garage, etc. with this efficient burglar alarm module. Complete electronic circuitry with a bullt-in electronic high volume upward screaming siren as the alarm sounds. Use with: $A$, $H_{1} \mathrm{I}_{\mathrm{K}} \mathrm{K}$. $\qquad$ Net 2.98

## ELECTRONIC LATCHING RELAY MDOULE

For Momentary Break Contact to Operate Tamper-Proof "Lock.On" Switch. Ideal for Burglar and Emergency Alarms. Ready for immediate use as an efficient latching relay for controlled switching of a 6 volt D.C. power source into any secondary circult drawing up to $1 / 2$ amp. Any momentary breaking of contact at "momentary switch" will fire module "on" (supplying current to a secondary circuit) and will stay "on" until manually reset. Use with: $A, I, K$.
19 T 5507 $\qquad$ Net 2.98
FM WIRELESS MICROPHONE MOOULE
Ready for immediate use as an efficient wireless means of transmitting your voice over moderate distances within a home from a high impedance microphone into any standard FM radio. Use with B, C, O of $P$.
19 Tं 5527
Net 2.98
FIRE ALARM MODULE WITH SIREN MLARM This solld state module contains complete electronic circuitry ready for immediate use as a temperature sensing fire alarm. It has - built-in adjustable temperature sensor which will automatically triager a built-in electronic upward screaming siren as the alarm sounder. Use with: $A, H, Z, 00$. 19 T 5509

## METRONOME MODULE

An excellent ald for keeping proper beat in music and dancing. Capable of reproducing beats at varying frequencles ranging from 40 cycles to over 300 cycles per minute. Use with: A, H, I, Z, DD.
19 Y 5520
Net 1.98
PUBLIC ADORESS AMPLIFIER MODULE
Complete solid state circultry for immediate use as a public address amplifier and for use in portable high gain P.A. systems. Produces clear audio signal sufficient for large rooms. Ideal for smafl gatherings and busi ness meeting. Use with: $A, G, O$ or $P, Y, D D$ 19 T 5511 Net 2.98

## CB MICROPHONE PREAMP MODULE

Effectively increases CB modulation for more dependable communications. More than dou. bles the sensitivity and output of your micro. phone when powered by a $11 / 2$ volt battery. Use with: B, C, W, AA on accessory list. 19 T 5515

## TELEPHONE AMPLIFIER MOOULE

Compact module with complete solid state circultry for use as a telephone amplifier. Permits group and conference listening to any phone conversation. Use with: $A, H$, a. Y, DD.

19 T $5512 \ldots$ Net 2.98
FM WIRELESS PHONO TRANSMITTER MODULE Transmits music for moderate distances within a home from the crystal or ceramic tone arm cartridge of a phonograph into any FM broadcast band radio. Meets FCC regulations. No Hicense or registration required: Use with B, C, W.
19 T 5532
Net 2.98

## INTERCOM AMPLIFIER MODULE

A low cost highly efficient Intercom module that facilitates conversations beiween two separate and remote points. Use with: A, L, $\mathrm{U}, \mathrm{CC}$ and two H .
19 T 5513 $\qquad$ Net 2.98

## BABY NURSE AMPLIFIER MODULE

Will amplify not only a baby's whimper, but even report his normal movements and breathing in his crib. Use with: A, U, CC, and 2 ea. H . $\qquad$ Net 2.98
BIRO CALL MODULE
Bird Call Simulator
Complete electronic circultry ready for im. mediate use for electronically reproducing bird calls. Capable of simulating the songs of canaries, parakeets, and other exotic warbling birds. Use with: B, C, F, I.
19 T 5517
Net 2.98

## PHONOGRAPH AMPLIFIER MODULE

This battery phono ampllfier module is ready for use as a modern efficient phonograph ampilfier. It will drive any 8 ohm speaker at roore than sufficient volume for average Jistening. Use with: $A, G, Y, D D$.
19 T 5518 $\qquad$ Net 2.98
DUAL FLASHER MOOULE
For Auto Road Warning Ughts, Window and Counter Display, Attention Getters, Model Train Grade Crossings Flasher, Emergency Boat Flasher, Bicycle Rear Wheel Flasher, Alarm Indicator, etc.
A complete solid state astable multivibrator with a cycling rate of about 100 times per minute. Use with: $A, 2$ ea. $S, 2$ ea. T.
19 T 5519 $\qquad$
Net 1.98

## AM WIRELESS MICHOPHONE MODULE

Transmit from your high impedance microphone (crystal, ceramic, high impedance dynamic) into any AM broadcast band radio In your home. Meets FCC regulations. No Ilcense or registration is required. Use with D E, $O$ or P, BB. See accessory list.
1\} T 5522
Net 2.98
WIRELESS CODE DSCILLATOR MODULE
Broadcast Code Into Any AM Radio
When connected to a small 9 volt transistor battery and any telegraph key, this module will wireless transmit standard Morse Code signals over short distances into any AM broadcast band radio. Meets FCC regulations. No Ilcense or registration is required. Use with: D, E, R, BB.
19 T 5523
Net 2,98

## WIRELESS PHDNO OSCILLATOR MODULE

Transmits music efc., over moderate distances within a home, from the crystal or ceramic tone arm cartridge of a phonograph into any AM broadcast band radio. Meets FCC regulations. No llcense or registration reqd. Use with $0, E, X, 8 B$.
19 T 5525 $\qquad$ Net 2.98

## SIGMAL INJECTOR MODULE

For RF and AF Trouble Shooting
An efficient signal injector which generates a 2 Kc audio frequency signal with modulated radio frequency harmonics up to 30 Mc Enables isolation of defectlve electronic stages. Use with: D, E.
19 个 5526
Net 2.00

## GUITAR TREMOLO MOOULE

Add Guitar Tremolo To Any Guitar. Provide: your guitar with a tremolo sound effect when connected between guitar pick-up microphone and gultar amplifier. Tremolo depth is preset to ideal level and tremolo fre quency may be varied for about 4 to 15 cycles per second. Use with: $D, E, V$.
19 T 5516
GUITAR AMPLIFIER MODULE
Electrify your guitar with this guitar amplifier module. Complete solid state Eircuitry ready for immediate use as a sensitive and efficient gultar amplifier. Use with: $A, G$, $\mathrm{M}_{19} \mathrm{Y}$ TSS10 $\qquad$ Net 2.98
WIRELESS GUITAR AMPLIFIER MODULE
Electrify Your Guitar
Ready for immediate use as an efficient means of amplifying your gultar music and transmitting it into any nearby AM broad. cast band radio without interconnecting cables. Conforms to FCC regulations. No license or registration is required. Use with: D. E, M or $N, 8 B$.

19 | 5524
Net 2.98

## LAFAYETTE CONVERTER MODULES

## LISTEN TO POLICE, FIRE, AIRCRAFT, AND SHORTWAVE ON YOUR PRESENT AM SET

Now you can have the thrill of listening to the exciting police broadcasts, the fire department calls, communications between planes and ground stations as well as inter national shortwave bands. Simple to connect to your present AM broadcast radio. Size: $13 / 4 \times 3 / 4 \times 1^{\prime \prime}$. Control extends $11 / 2^{\prime \prime}$. Shpg. wt., 1 lb .

VHF POLICE AND FIRE CDNVERTER MODULE Convert your AM radio to recelve pollce and fire calls in the 30 to 50 MHz band. Requires 9.volt battery 0.

19 T 5528
Net 5.00
AIRCRAFT CONVERTER MODULE
Same as above but for reception of 118 to 128 MHz . Band. Requires 9 volt battery D . 19 T 5529

Net 5.00

## SHORTWAVE CONVERTER MODULE

Same as above but tunes 25, 31, and 41 meter bands ( $7-12 \mathrm{MMz}$.). Requires 9 volt battery D and Wire EE.
15 T 5530 $\qquad$ Net 5.00

FM WIRELESS GUITAR TRANSMITTER MODULE Contains complete solid state electronic circuiltry to transmit guitar music over moderate distances with a home from a guitar contact microphone Into any FM radio. You can play your musical instrument in one part of the house while your family and fritends listen to you on a FM radio In another room. Requires accessories $B$ and M or N .
19 Y 5531
Net 3.50

## ACCESSORIES

Accessories referred to by letter in the descriptions on this page will be found on the facing page.

(A) aUto LIGHT REMINDER KIT

Eliminates dead batteries resulting from leaving car lights iti. Automatically sounds a siren when lights are left on and the Ignition shut off. Fits any 6 of 12 volt car. Easily installed after assembly, with only 3 wires to be attached to car. Complete with all parts, including speaker -nothing else to buy. Detailed assembly and installation instructions. Size: 3x2x 11/4". Shpg, wt., 1 lb .
19 T7013
Net 6.95

## (B) 5-WATT UNIV. AMPLIFIER KIT

Learn basic solid-state amplifier circuitry while you bulld this all purpose 5 -watt amplifier. Excellent as a portable amplifier, guitar amplifier, etc. Complete with all parts, case, volume control, and instructions. Works on a 6 -volt battery or power supply. Will accept almost any type of pickup device, lie., phono cartridge, tuner, etc.; will work with any $3-0 \mathrm{hm}$ to 16 -ohm PM speakers. $3^{\prime \prime} \times 2^{\prime \prime} \times 1 y^{\prime \prime}$ ". Shpg. wt. 1 lb.

Net 5.95

## [C] PROXIMITY SWITCH KIT

An alarm at the touch of the hand! The Proximity Switch kit when properly buitt can be used as a special light alarm and night light. Can control devices using universal type motors up to 5 amps, and can trigger off an alarm when used with a special transformer and AC supply. Touching a door mnob or other chosen part switches circuit on! $4 \times 3 \times 1 \% \%^{\prime \prime}$. Shpg. wt., 110.

19 77004
Net 8.95
(O) AM WIRELESS MIKE KIT

Transmits trough any standard AM radio. Can be located up to $50-\mathrm{ft}$. away from set. Basic 2 -transistor circuit. Frequency varied by tuneable coil. Complete with crystal mike and telescoping antenna. Size: $3 \times 2 \times 14 / 4 "$. Shpg. wi., 1 16. 1977009 Less Battery

Net 7.95 9915021 gV Battery

Net 21

## (E) AM BROADCAST RADIO KIT

Learn as you bulid this fun-giving $A M$ broadcast radio. Ingenious solid state cir. cuitry uses a novel 2 transistor audioreflex circuit with diode detection. Gives high gain at very low current drain. Com. plete with all parts, case, earphone and instructions. $3 \times 2 \times 11 / 4$. Requires 9 -volt battery. Slipg. wt., 1 lb. 19 T 7002 less battery

Net 4.95 99 1 6021 battery

Net 21

## (F) AIRCRAFT RECEIVER KIT

Listen to airplane to ground communica. tions. Will pick up and amplify the strongest signats in its vicinity in the 100 to 200 MHz range. Has 3 -stage high gain amplifier. Telescoping antenna, Supplied with earphone. Unpluging earphone disconnects power. Operates on 9V DC Size: $3 \times 2 \times 11 / 4^{\prime \prime}$. Shpg. wt., 1 ib .
19 I 7008 Less Battery
Net 5.95 99 T 6021 Battery

Net .21
(G) ADIUSTABLE POWER SUPPLY XIT

Will furnish DC varlable from $0-12$ volts at a cursent drain of 500 ma from a 110 VAC sourse. Ideal in place of battery for kits on this page. Neon Indicator shows when pover is on. Size: 4x4x11/2". Shpg. Shpg. wt. 1 lb .
1977011
Net 12.95
(H) FM WIRELESS MIKE KIT

Transmits your voice to be picked up by any standard FM radio. 2-transistor circult with an audio modulator and R.F. oscillator. Frequency controlled by external trimmer condenser. Complete with mike and telescoping antenna. Size: $3 \times 2 \times 11 / 4^{\prime \prime}$. Shog. wt., 1 tb.
19 T 7010 Less Battery ................ Net 0.95 99 T 6021 9V Battery

Net 21

## (J) WIRELESS INTERCOM KIT

Just plug into AC outiet. This intercom feeds an AM modulated signal into the ground side of the A.C. line. Your voice may be picked up at any AC outlet in the house on any good AC operated table radio. Slgnal frequency is tuneable so you can find open spot on radio. Size: $32 / 2 \times 33 / 4 \times 13 / 4^{\prime \prime}$. Shpg. wt., 2 lbs. 1977012

Net 7.95

## (K) FIRE ALAR物 KIT

Has a special heat sensor that will activate the unit when temperature near it reaches a $130^{\circ}$. Includes test button for periodic checks to make sure unit is operative. When connected to any speaker will produce a siren effect. Requires 6 volt battery or a power supply. Size: $3 \times 2 \times 11 \not 2^{\prime \prime}$. Shpg. wt., 1 th.
is 77007 (Less Battery)

## [L] TV.FM BOOSTER KIT

An interesting useful tht that will give a signal boost of UD to 10 db when properly assembled. For color, blach and white and FM. Will also help color reception on indoor antennas. Complete with matching coils, printed circuit board, all parts, plastic case, and instructions, $4 \times 3 \times 11 / 2^{\prime \prime}$. Shpg, wt., 1 lb .
19 17005
Net 9.95

## ACCESSORIES FOR SGLID STATE MODULES (FACING PAGE)



| Stock No. | Price | Description |
| :---: | :---: | :---: |
| P. 99 T 4543 | 1.95 | Mlcrophone, Hand Held/Desh Crystal |
| Q. 99 T 1034 | 1.49 | Telephone Pickup Coll |
| R. 99 T 2555 | 2.29 | Telegraph Key |
| S. 32 T 6619 | 15 | * 47 Pllot Light Bulb |
| T. 32 T 2805 | . 30 | Socket for $\% 47$ Bulb |
| U. 32 T 7363 | . 79 | Potentiometer, 5,000 $0 \mathrm{hm} /$ SPST Switch |
| V. 33 T 1131 | 1.02 | Potentiometer, $25,000 \mathrm{Ohm}$ |
| W. 3277368 | . 79 | Potentiometer, $1 / 2$ Megohm with Switch |
| x. 3217361 | . 59 | Potentiometer, 1 Megohm |
| Y. 32 T 7287 | 49 | Potentiometer, 1 Megohm with Switch |
| 2. 33 T 1155 | 1.02 | Potentiometer, 2 Megohm |
| AA. 32 T 1307 | 1.02 | Microphone Cable, Shielded (Cut to 3 ft . |
| B8. 3213198 | 40 | Wire, Antenna (Cut to less than 10 ft .) |
| CC. 32 T 2405 | 12 | Knob, Miniature |
| DD. 32 T 2418 | 12 | Knob |

P. 99 T 45431.95
Q. 99 T 10341.4
R. 99125552.29
S. $32 T 6619.15$
U. 32 T 7363
$\begin{array}{llr}\text { V. } 33 T 1131 & 1.0 \\ \text { W. } 3277368 & .7\end{array}$
X. 3217361
Y. 3277287
2. 3371155

BB. 3273198
OD 3272418 Knob

# Solid State Audio Amplifiers-Tuner and 

## 5-TRANSISTOR PUSH-PULL AUDIO AMPLIFIER



## - 360 MW. Output

A more powerful and sensitive version of the 4 -transistor ampilfier on right, this amplifier employs 3 stages of audio diving a push-pull output stage. power output is 360 mw , designed for speakers with a volce coil impedance of 8 - 11 ohms. Low impedance input has sensltivity of 300 microvolts. Input transformer for matching high impedance to the amplifier input avallable as an accessory (see below). Comes with leads for low impedance input, speaker, volume control/ on-off swisch. Battery clips and leads supplied for 9 volt miniature battery (one required). Imported. Shpp. Wt., 50 oz .
99 T 9037 Use with access. below. A, D, K or L, and M. ... Net 5.85

## 1-WATT 4-TRANSISTOR PUSH-PULL AUDIO



One of our most powerful miniature amplifiers. It has many direct uses in audio frequency applications for tuners, test equipment, efc. Push-pull circult is very sensitive and has an output of 1 -wattl Using only 4 transistors, it requires a 12 -volt source supplled by Standard ' $D$ ' cells in series. Outputs from record players with magnetic cartridge, tape heads, microphones, etc. (not exceeding 20 millivolts) can be connected directly. Higher output devices may be easily connected with a resistor in series. Components are neatly layed out on a printed circuit board with predrilled holes for mounting the entire unit in a vertical or horizontal position. Built-in leads are supplied for a volume control, on-off switch, battery and 8 ohm loudspeaker. Dimensions: $47 / 3 \mathrm{Lx} 1 \mathrm{~L} / 2 \mathrm{H} \times 2 \mathrm{Y} / \mathbf{4}^{\prime} \mathrm{W}$. Imported. Shpg. wt., 12 ors.
99 T 9038 Use with accessories $B$ and C below. $\qquad$ Net 6.95

## 4-TRANSISTOR SUBMINIATURE PUSH-PULL AUDIO AMPLIFIER



## - 100 MW. Output

A tiny, transistorized push-pull audio amplifier with a multitude of applications. Only $3^{\prime \prime} \times 11_{0^{\prime \prime}} \times 1 y_{1}{ }^{\prime \prime}$, it can be mounted inside other equipment to serve as a subminiature phono amplifier, tape recorder, amplifier, eic. Two stages of audio are followed by a push-pull output stage designed to deliver 100 mw to an 8.11 ohm impedance. Low impedances input, with a sensitivity of 0.9 mv . Input transformer for matching high impedances to the amplifier available as an accessory (see below). Includes leads for input, speaker, and volume control/on-off switch. Battery clips and leads suppled for 9 -volt miniatore battery (one required). Imported. Shpg. wt., 5 oz. 99 T 9042 Use with access. below. A, E, K or $L$, and $M$. _ Net 4.95

## 3-TRANSISTOR SUBMINIATURE AUDIO AMPLIFIER

- Printed Circuit
- Complete with Transistors

Here is an amazing little audio amplifier with a multitude of chaltenging applications; i.e., subminiature phono amplifier, tape recorder amplifler, hand-held public address amplifier, telephone pick-up amplifier. etc. Output sufficient for average listening. Has leads for any one of the following inputs: Tape recorder record/playback heads, radio-tuner, crystal or ceramic phono cartridge, and crystal or ceramic microphone. Has lead terminations for ON-OFF switch, Volume Control, 4 to 10 ohm speaker, and leads terminating in clips for a 9 -volt miniature battery. Size: $21 \% \times 11 / 4 \times 3 / 4 "$. Can be readlly mounted on chassis. Imported. Shpg. wt., 8 az.
99 T 9039 Use with accessories A, C, I, and J below. $\qquad$ Net 3.75

## ACCESSORIES FOR THE AMPLIFIERS AND TUNER ON THIS AND FACING PAGE

## A. 99 T 6021 * 9 volt 8attery <br> 99 6256" ${ }^{41}$ Voll Battery

 eryNet 21
5,000 Ohm Volume Control/Switch/Knob. 2 oz. 39 T 5019*

Net ea. . 15
32 T $736410,000 \mathrm{Ohm}$ Volume Control/Switch Net .59
E. 32 T $736750,000 \mathrm{Ohm}$ Volume Control/Switch. Net .79

33 T 1147500,000 Ohm Volume Control Net .79

99 I 6350 Dual $1 / 2$ meg tone control $\qquad$ Net 1.02
H. 32 T 48776 V . Battery. Net 1.29
I. $99 \mathrm{~T} 4509^{\circ}$ Crystal Microphone 6 02.................... 92
 $\begin{array}{lr}\text { Net } & .99 \\ \text { Net } & 99\end{array}$

212 Lafayette Cat. No. 690 Net 99
. 99 T6036* 2", 8 Ohm Speaker, 8 oz.
Net
Net
M. Matching Transformer (high Impedance to amp.) Wt. 4 oz .99 T 6034* -......... Net
Power Transformer for optional AC power supply. 117V. In99 T $6289^{\circ}$ Output $13-0-13$ volts. Shpg. wt., 1 ib. Net 1.49
0. 99 T $6290^{\circ}$ Silicon Rectifier ( 500 ma .) ..... Net .39
P. 34 T 3912 DPDT Slide Swltch for Power, Mode \& Input ..... Net
Q. 12 T 3901 A.C. line cond. ..... Net .15
S. 34 T 56251000 mfr . 25 V cond. ..... Net 1.9

- Imported.


# Accessories For Experimenter and Hobbyist 

## 1 WATT, 4 TRANSISTOR, DIRECT OUTPUT PUSH-PULL AUDIO AMPLIFIER



- 1 Watt Push-Pull Power Output
- 4 Transistors Plus Thermistor
- Completely Wired-Easy to Connect
- Direct Output--8 and 16 Ohms

Amazingly powerful miniature solid state audio amplifier with many direct uses in audio frequency applications for tunera, test equipment, as a phono ampilifier, tape recorder amplifier, public address or telephone pick-up amplifier, etc. Push-pull circult mas an output of 1 watt. Using 4 transistors and a thermistor, it requires a single 9 volt battery. Direct output into 8 or 16 ohm spazkers for minimum distortion. Can be readily mounted on chassis. Dimensions: $47 / \mathrm{L} \times 11 / 2 \mathrm{H} \times 21 / 4{ }^{\circ} \mathrm{W}$. Shpg. wt. 12 oz . Imported. 99 T 8097 Use with accessories A, E, and K. (See p. 212.) _ Ne 6.95

## 3 WATT 4 TRANSISTOR PUSH-PULL AUDIO AMPLIFIER



- 4 Transistors Plus Thermistor
- Completely Wired-Easy to Connect

A mighty amplifier with 3 watt push-pull output which fits in the paim of your hand and weighs less than 6 ort! This versatlle general purpose amplifier suitable for phono amplifier, public address. Intercom. monitor modulation, test equipment and a host of other uses. Sensl. tive 4 transistor push-pull circuitry has 3 watt output. requiring a 9 volt DC source. Frequency response $150 \cdot 10,000 \mathrm{cps}$; Inpu: imped. ance 2,000 ohms; Output impedance 8 and 16 ohm term inations. Components neatiy laid out on printed clrcult board with pre-drilled holes for horizontai of vertical mounting. Heat sink for power transistors. Dimensions: $31 \times 2 K_{0}$ Wxi $K_{0}{ }^{-H}$. Imported. Shpg. wt. 9 oz. 99 T 9132 Use with accessories: D. and K. (See D. 212.) _- Net 7.95

## ADJUSTABLE POWER



## SUPPLY KIT

- Simple To Build
- Variable 0.12 VDC
$12^{\text {ony }}$
This simple-to-bulid power supply is ideal for any applieation requiring a low voltage DC source of power to be used as an alternative to batteries. Piugs into regular 110 volt AC current and delivers DC voltage which you can adjust from 0 to 12 volts at a current drain of up to 500 ma . A neon indicator light is suppliey to indicate If the 110 AC power is on. Uses a special transformer that supplies approximately 16 VAC to a full wave bridge circuit. The DC produced is fed into a special dual transistor filter and regulating circuit. The base voltage of the first transistor is made viriable by means of a control. Size: $4 \times 4 \times 11 / 2^{\prime \prime}$.
19 T 7011 Shpg. wt., 3 lbs.
Net 12.95


## 3-TRANSISTOR SUBMINIATURE AM BROADCAST TUNER



A deluxe 3 -transistor subminiature AM broadcast funer that features 3 dependable transistors. 3 If plus 1 oscillator transformer. and ferrite antenna in an efficient, completely wired superheterodyne circult on a sturdy printed circuit board.
Now you can build your own highly efficient broadcast receiver by simply adding this exceptional tuner to any of the transistor audio amplifiers listed. The long tuner leads for connecting to external amplifier and/or to a separate 9 -volt battery, makes this easy as pie. Also features a large clearly visible calibrated tuning dial. The printed circuit board layout permits either vertical or horizontal mounting. Supplied complete with mounting brackets and detalled instructions. Size: $4 \times 1 \geqslant \times 2^{2 \prime H}$ with brachets. Imported. Shpg. wt., 8 oz.
99 T 9040

## 5-WATT STEREO AMPLIFIER PRINTED CIRCUIT BOARD



- $2^{1 / 2}$ Watts Per Channel
- 800K Input Impedence
- 8 Ohm Output Impedance
$10^{95}$
- Requires $\mathbf{1 5}$-volt DC Power Supply

Factory built, 5 -watt, 10 transistor stereo amplifier! In prime application ideal for loudspeaker reproduction from phonographs with crystal or ceramic pick-up cartridges. May also be used in conjunction with AM/FM and FM/MPX tuners. Fully transistorized circuit for operation that is free from hum, microphonics, and heat; low current drain, light-weight and complete portability. Flexible color coded leads are provided for battery, On/Off switches for Mode and Input. Push-pull output is directly coupled to the speaker leads. Complete with instructions. $51 / 6 \mathrm{~W} \times 11 / 4 \mathrm{H} \times 23 / 40 \mathrm{D}$. Imported.
99 T 6285 Shpe wt., $1 / 2 \mathrm{lb}$.
Net 10.95
Use with accessories: $F(2), G, H(2)$, and P(3). For A.C. delete $H$ and add O(2), N, Q, R, S. (See Pg. 212).

## TRANSISTORIZED MINIATURE AMPLIFIER AND TUNER APPLICATIONS

Many original Applications Not Found Elsewherel

NEW? REVISED EDITION 97 Pages . . . 56 Circuits .. 73 Illustrations

An inspiring new book written by a registered professional engineer and author. Deak primarily with 56 chall. enging and interesting applications of the Lafayette transistorized miniature amplifiers and tuner described on thls and facing page. 6 chapters...Audio. Amplifier \& Citizens Band, Controls. Test Instruments, Tuner, Hearing Alds, Intercoms, etc. 97 pages with 73 II lustrations. 10 T 0104 Shpg. wt., 6 02. _ Net 1.50


# Science Specialties 

## IC TRANSISTOR 12-in-1 EXPERIMENTAL ELECTRONIC KIT

 t - 12 Exciting Experiments, Using Integrated Circuits$7^{98}$
This kit is the last word for young experimenters wanting to learn about electronics. Employs integrated circuits, the electronic miracle of the space age, built and housed In a transistor case no larger than a pea. Contains enough parts and detalled
instructlons to build:

BURGLAR ALARM
RADIO RECEIVER
VOICE TRANSMITTER
CODE PRACTICE OSCILLATOR
VOICE ACTIVATED SWITCH

ELECTRONIC TIMER
AUDIO AMPLIFIER
AUDIO OSCILLATOR LIGHT BLINKER metronome RAIN ALARM VOICE TRANSMITTER
Safe to use, no soldering or high voltage. Spring clips simplify assembly of parts which are used over and over. Uses one inexpensive 9-volt transistor battery, not supplied. Oetailed instruction booklet. Shpg. $\mathrm{Wt} .21 / 4 \mathrm{ibs}$.
$19 \mathrm{I}^{2} 3103 \mathrm{Kit}$, less battery ...........et 7.98
99 T 6021 9V battery for above
Net .21


## NOVATRON

a SCIENTIFIC INSTRUMENT
FOR THE EXPERIMENTER

- Powerful 110 Volt AC/DC Motor
- Miniature Atom Smasher
- Produces 75,000 Volts
- Absolutely Safe Completely Wired (Not A Kit)
A scientific instrument capable of producing 75,000 volts-makes sparks up $102^{\prime \prime}$ long yet it is absolutely safe because the current is infinitesimal. The science-teacher-science lover-or hobbyist can perform experiments to astound students-friends-family. Makes smoke disappear-defy gravity-turns propellers at a distance--transforms atomic energy into light - makes artificial lightning -smashes atoms - demonstrates ionic space ship drive-and many other experiments. Includes an experimental kit and illustrated experiment manual. A fine research tool that will give years of beneficial service to the institution or Individual who owns one. 110 VAC. Imported.
Assembled-Shpg. wi., 4 lbs .
99 T 9008
Net 12.95
in U.


## only 795

## HOT A KIT COMPLETELY

 PREASSEMBLED- Weighs only $21 / 2 \mathrm{lbs}$.
- Range up to 400 feet
- For Hunting, Camping.

Boating, Sports
A fully transistorized directional megaphone at Lafayette's low price. Lightweight, it carries your voice over 100 yards or above noise. Just press the trigger and lalk. Features variable volume control and carrying strap. Uses 4 -standard " $D$ " cells (not supplled with unit). $11^{\prime \prime}$ long. Shpg. wt., 3 lbs. 44 T 1509

Net 7.95
$11 / 2$-volt D batteries, 4 required. Imported. 99 T 6256 .................................... Net ea. . 15


Fun to erect and fascinating to use. this weather station kit operates with flashing neon lights to show. wind speed and direction on indoor indicator board. Includes a sensitive air tank barometer with 4 .ft. in. dicator column, a sling psychrometer to measure relative humidity, rain gauge with scale calibrated to measure $1 / 100$ th of an inch rainfall, cloud chart, weather map and forecasilng manual. 150 it. wire supplied, enough for a 2 -story house. Safety power cord. All connections safe to touch. Shpg. wt., 3 lbs.

Net 8.95

$$
19 \text { T } 3002
$$



Easy to assemble, brings in loud, clear reception. Precision wound tuning coil, super. sensitive crystal, bakelite cabinet. No bat. teries or electricity required. Complete with earphone with plastic ear-holder, antenna lead-in wire, and hardware. Requires external antenna (not supplied). Shpg. wt. 3 tbs.
19 T 5802
Net 2.75
32 T 3098 Antenna kit
214 Lafayette Cat. No. 690

## TELEPHONE AMPLIFIER KIT

- Transistorized circuit

Amplifies incoming voice and projects it through built-in speaker so many people can listen in on conversation and participate simultaneously. Speaker has loudness control. Fits any standard phone--just place receiver on the amplifier. Easy-to-assemble, requires no cementing or soldering. Modern high-im. pact plastic cablinet. Shpg. wt., 2 lbs.
19 I 3102 (less battery)
Net 5.98
99 T 6021 Battery for above
Net .21
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- Jet Propulsion - Electric motor
- Electro-chemistry - Physics

A set of 6 kits for the young budding scien tist, each of which contains materlal for conducting experiments that teach basic principles in a scientific fleld. Six subjects covered are electric motor, chemistry, elec. tro-chemistry, let propulsion, electro-magne. tism and mechanical physics. Shpg wt., 3 lbs.
19 T 3101 ............................................. 48
 projector illuminator
Ingenious kit for studying some basic nuclear physics by experimentation. See the vapor trials of alpha and beta particles, and of cosmic rays. Shows exploding atoms. Instruction book covers such experiments as detecting radioactivity with a cloud cham. ber, with a spinthariscope, and with ra. dlo-autographs; checking radioactivity with an electroscope, detecting ionization and others. Kit includes radioactlve materials. Shpg. wt., 3 lbs.
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Contains 48 specimens of ore, organics, fossils, elements, plutionics, oxides, vol. canics, hypabyssals, effusive crystals, common and uncommon minerals. Each specimen is tagged with name and clas. sification. An excellent infroduction to rock and mineral identlfication. Imported. Shpg, wt., 1 lb .
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## SCULPTURE STUDIO

Featuring the unique "Sure + Sculpthead" in a Complete Creative Sculpture Outfit

Anyone can sculpt with this new unique method. The "Sure + Sculpt Head" is a preformed armature that locates the main features of the head so even beginners can model the clay and fill in the details. This is a complete creative outfit which includes 4 lbs each of modeling clay, clay stone, wood stone and bronze stone, 9 tools, revolving model stand, tube of Patina coloring, a scutptors armature and the unique "Sure + Sculpt Head." Instruction booklet with detalled instructions. Shpg. wt., 28 Ibs
13 T 3558WX
Net 22.50
SURE SCULPT KIT
Basic kit for the beginner. Contains the "Sure + Sculpt Head" preformed armature which locates the main features of the head; enough clay for an average head, sculptools, patina and instructions. Shpg. wt., 5 lbs.
13 T 3559
Net 4.95


## THE "GRAPHICA" ART PRESS

Graphic art expression is one of the most rewarding of all the crafts. Deslgning and then reproducing one's own creation, card, wood or Iinoleum block print is both a thrilling and a truly satis ying ex. perience. The "Graphica" is a fine art press for the fine veproduc. tion of wood and linoleum block prints, type and photo-engraving proofs and lithos from metal plates. Has a removable steel chase, $8^{\prime \prime} \times 10^{\circ \prime}$; two $\chi^{\prime \prime} \times 10^{\prime \prime}$ rubber rollers set in bronze bearings with the upper driving roller being adjustable to control the printing im. pression. Overall size: $2033^{\circ \prime} \times 13^{\circ 0} \times 10^{\circ}$ including handle. Beautiful gray hammertone body finish. Complete with steel bed and chase. Shpg. wt., 24 lbs .
13 T. 356 owx $\$ 5$ Monthly
Het 54.95

## JON GNAGY'S TV MASTER ART STUDIO featuring



This $14^{\prime \prime} \times 20^{\prime \prime}$ box is jammed full of art materials and instructions. Includes 5 separate instruction books: The 64-page "Learn to Draw' book with over 200 illustrations to make it easy for beginring artists of all ages; 48 -page full color "Learn to Draw Landscapes"; 48 page in color "Learn to Draw Human figures" and two 15-page fult color books on "How to Paint in Watercolors and Pastels." Includes the fiexible 3-dimensional "Matehstick Mannikin" to be used as a model for drawing figures in action, two 8 color watercolor pal lettes in trays, 24 -colored pastels, brushes, paints, sketching paper and other materials.

15 T 5901 Shpg. wt., 4 Ibs.

## 20 CAMEL HAIR BRUSHES

Imported camel hair brushes. Sizes \#1 through $\# 5$. Each brush is $61 / 2^{*}$ long with different color handles. Excellent 59c for cleaning tuners and precision parts. Perfect for water color, cabinet touchup, and sign lettering. Shpg. wt., 8 oz . 15 T 7850

Net 4.95

## High Quality Lafayette Multitesters

## DELUXE 30,000 OHMS PER VOLT MULTITESTER WITH MIRROR SCALE

## $17^{95}$

- 30,000 Ohms per Volt DC, 15,000 Ohms per Volt AC
$1 \%$ Precision Resistors for High Accuracy
- Unique "Buzzer" for Fast Short Tests
- 27 Meter Ranges on 2-Color Scale
- Built-in Overioad Protective Circuitry

Deluxe portable Vott-Ohm-Milliammeter with a mirror scale. Provides wide voltage, current, resistance and db ranges clearly visible on a big $4^{\prime \prime}$ meter with 2 color calibrations. Built-in overload protective circuitry. Sensitivity is 30,000 ohms-pervolt DC and 15,000 ohms-per-voit AC. All multipliers used are $1 \%$ precision resistors for maximum accuracy and years of dependable service. Sensitive 33-micro-ampere meter provides full scate readings down to $1 / 4$ volt on $O C$ and .05 milllamps. Features a unique self-contained buzier to glve you fast in-circuit checks on opens, shorts. Audio output jack with DC blocking capacitor. Handsome, dust proof black plastic case. Complete with leads, batteries. Size: $3 x_{0} W \times 6 K_{0} H \times 21 / 4{ }^{\prime \prime} \mathrm{D}$. Imported. Shpg. wt., 2 lbs.
9915071
Net 17.95 38 Tolos Pigskin Carrying Case for the above. Shpg. wt. 1/2 10. $\qquad$ Net 1.95

## SPECIFICATIONS

Sensitivity: 30,000 ohms/volt DC, 15,000 ohms/volt AC. Ranges: DC volts: 0.25, 1 , 2.5, 10, 25, 100, 250, 500, 1000; AC volts: 0-2.5, 10, 25, 100, 250, 500, 1000 Oirect Current: $0.0 .05,5,50,500$ ma; $0-12$ amps Ohmmeter: $0.60 \mathrm{~K} .6 \mathrm{M}, 60 \mathrm{Meg}$ ohms, Decibels: - 20 to +56 db . Short Test: Internal Buzzer. Audio Output Jack. Controls: Range Switch, ohms Adjust. Batteries: 1 type $Z$ cell, 15 -volt.

## DELUXE 20,000 OHMS-PER-VOLT MULTITESTER WITH MIRROR SCALE

$12^{95}$- 20.000 Ohms-Per-Volt DC, 10,000 Ohms-Per-Volt AC

- $1 \%$ Precision Resistors For High Accuracy
- 40-Microamp $3^{1 / 2 "}$ " D'Arsonval Meter $^{\text {D }}$
- Direct Capacitance Measurement
- Built-in Overload Protective Circuitry

Handy pocket multi-tester with mirror scale. Has every needed range, Ideal for repair and service work, testing and troubleshooting electronic circuits and appliances in the labor shop. 40 micro-ampere meter movement permits a high input resistance on all ranges. Has a single range/function control for quick simple operation, plus zero ohms adjust and bullt-in overload protective circuitry. With batteries, fest leads $51 / 6 \times 3 / 4 \times 17 /{ }^{\prime \prime} \mathrm{D}$. Imported. Shpg. wt., $11 / 2 \mathrm{lbs}$. 99 T 5073 Net 12.95
38 Y 0107 Pigskin Carrying Case for above. Shpg. wt., $1 / 2 \mathrm{lb}$. Net 1.95

## SPECIFICATIONS

Sensitivity: 20,000 ohms/volt $D C ; 10.000$ ohms/volt $A C$. Ranges, $D C$ volts, $0.6,6$, $30,120,600,1200$; AC volts: $0-6,30,120,600,1200$. Resistance: $0-10 \mathrm{~K}, 10 \mathrm{~K}$, 1M. 10Megs. Current: $0-60 \mu \mathrm{~A}, 0-6,60,600 \mathrm{MA}$. Decibels: -20 to +63 . Capacity: 200 mmf to 0.2 mfd .

## 20,000 OHMS-PER-VOLT MULTITESTER WITH MIRROR SCALE

$9^{95}$

- 20,000 Ohms/Volt DC, 10,000 Ohms/Volt AC
- $1 \%$ Precision Resistors
- Easy-to-Read $3^{-1}$ Meter
- Built-In Overload Protective Circuitry

Easy visibillty is provided by the large 2 -color $3^{\prime \prime}$ meter with mirror scale. The 40-Microampere D'Arsonval meter movement permits a high input resistance on all ranges. Built-in overload protective circuitry. Supplied with battery and test leads. Rugged, high impact plastic case. Size $34 / 4 \times 4 y / 4 l^{\prime \prime}$. Imported. Shpr. wt., 1 10. 99 T 5072 Net 9.95
38 T 0107 Pigskin Carrying Case for above. Shpg. wt., $1 / 2 \mathrm{tb}$.
Net 1.95

## SPECIFICATIONS

Sensitivity: 20,000 ohm/volt $D C, 10,000$ ohms/volt. AC. Range $D C$ Volts: 30,60 , $300,600,3,000 \mathrm{~V}$. AC Volts: $0-6,120,1,200 \mathrm{~V}$. DC Current: 0.60 , $\mathrm{A}, 0.12$, 0.300 ma . Resistance: $060 \mathrm{~K}, 0-6$ Megohms. Decibels: -20 to +63 db . Audio Output Jack. Type " 2 " 1.5 V cell for resistance measurements.

## "Super Midget" AC-DC VOM



- Pocket Size: Only $2^{1 / 3 \times 3^{1 / 3} \times 1^{1 / 6 "}}$
- 1000 Ohms Per Volt Sensitivity
- Mirror Scale
- Reads: 0-1000V AC-DC, 0-100K Ohms, 0-150 MA

Low cost pocket multitester features small physical size and wide selection of useful ranges. For trouble-shooting electronic circults and appliances as irons, lamps, radios, television, hi-fi equipment, etc. 1,000 ohms per volt sensitivity. $1 \%$ precision resistors and mirror scale to insure precise readings. Easy to operate, no switching required. Ranges: $A C$ and $D C$ volts: $0-15-150-1000 \mathrm{~V}$, Ohms: $0-100,000$. Current: 0.150 MA . Plastic covered panel lettering. High impact plastic case. Complete with battery and test leads. Imparted. Shpg. wt., 1002. 99 T 5064

Net 4.95
Pigskin Carrying Case for above. Shpg. wt., $1 / 2 \mathrm{lb}$.
99 T 5066

## Our Finest VOM's

DELUXE 100,000 OHMS PER VOLT "LAB-TESTER" VOM

## -100,000 Ohms Per Volt DC

- Giant Easy-To-Read 6½" Scale
- 2\% Accuracy on DC; 3\% on AC

No

## Money <br> Down

- 1/2\% Multiplier Resistors
- Built-in Meter Protection on All Ranges

Deluxe laboratory-type volt-ohm milliammeter with performance that satisfies virtually any lab or shop requirement. Unique yellow function selector visually indicates exact range being used-thus eliminating chance of error. Completely self-contained, advanced circuitry features $1 / 2 \%$ precision resistors and 100,000 ohms-per. volt input resistance on DC. Measures voltage in sensitive circults with precise accuracy. Large, easy-to-read $61 / 2^{\prime \prime} 2$-color meter has a $90^{\circ}$ arc for greater legibility and accuracy plus built-in protection against burnout and bent pointers. Provides full coverage with thirty-three ranges for optimum flexiblity. Case has carrying strap. Size: $71 / 8 \mathrm{FW} \times 63 / 8 \mathrm{H} \times 31 / 2 \mathrm{DD}$, With batteries and test leads. Imported, Shpg. Wt., $41 / 2 \mathrm{lbs}$.
99 f $5065 \$ 5$ Monthly $\qquad$ Net 44.95
38 T 0109 Carrying Case for above
Net 4.95

## SPECIFICATIONS

Senslitivity: 100 k ohms/volt $D C, 5 \mathrm{k}$ ohms/volt $A C$. Ranges: $O C 0.5$. 2.5-10-50-250-1000 v. AC 0-3-10-50-250-500 1000 v. OB: -10 to +49.4 in 4 ranges. OC Current; $0-10-100 \mu \mathrm{a}, 0-10-100-500 \mathrm{ma}, 0-2.5-10$ amps. Resistance: $0-1 \mathrm{k}-10 \mathrm{k}-100 \mathrm{k}-10 \mathrm{~m}-100 \mathrm{meg}$-ohms. Meter Move. ment sensitivity: $9 \mu$ a for full scale deflection. Output: to 250 v with bullt-in series capacitor.

## LAFAYETTE 20,000 OHMS PER VOLT VOM

## - With Giant $6^{\prime \prime}$ Meter

$29^{95}$

- 20,000 Ohms-per-volt DC
- $1 \%$ Multiplier Resistors
- DC Volts From 0.5000 V in 8 Ranges
- AC Volts From 0.5000 V in 6 Ranges A precision VOM for accurate measurement of voltage, current, resistance and decibels, Glves you accuracy comparable to bench type units, with the added feature of complete portability. Expanded 6" meter scale in red and black. 50 -microamp meter sensitivity provides 20,000 ohms per-volt input resistance on DC and 5,000 ohms per-volt on AC-Wide-range frequency response measures 10 to 100,000 cycles within $\pm 0.5 \mathrm{db}$. A single 1.5 V battery in the ohmmeter circuit prevents burnout to low current drain devices. Heavy gauge steel case with high Impact plastic panel. Includes test leads, batteries and leather carrying handle. Size $61 / 4 \mathrm{~W} \times 73 / 4 \mathrm{H} \times 31 /{ }^{\prime \prime} \mathrm{D}$. Imported. Shpg. wt., $41 / 2$ lbs.
99 T 5013
Net 29.95


## SPECIFICATIONS

SENSITIVITY: 20,000 ohm/volt DC, 5000 ohms/volt AC. RANGE: AC; $0-5000$ volts (In 6 ranges): $2.5,10,50,250,1000,5000 \mathrm{~V}$; $D C ; 0.5000$ volts (in 8 ranges); $0.25,1,2.5,10,50,250,1000$, 5000 V . DC Current. 0.10 amps . OHMMETER: $0-20$ megohms (in 3 ranges): $0-2 \mathrm{~K}, 200 \mathrm{~K}, 20 \mathrm{M}$. DECIBELS: -20 to +50 db . AC CURACY: $D C_{i} \pm 3 \%$ Full Scale. $A C ; \pm 4 \%$ Full Scale. RESIST. ANCE: $\pm 3 \%$ Full Scale.


## Unique Function Selector Visually Indicates Exact Range



## SUPER LAFAYETTE 50,000 OHMS PER VOLT MULTITESTER

- 50K Ohms Per Volt DC - 5K Ohms Per Volt AC
- Giant 51/4" Meter - Built-in Overload Protection
- Low Voltage Ranges For Transistor Circuitry

Super-sensitive, self-contained, portable Multi-Tester! Employs $1 \%$ precision resistors and high quality components for an accuracy of better than $2 \%$ on DC; $3 \%$ on AC . Usable at frequencies up to 100 Kc . Meter movement is self-shielded with spring-backed jewels, Also has polarity reversal switch and easy-to-read range indicator. Bullt-in meter overload protection. Size: $51 / 4 \times 23 / 4 \times 61 / 2^{2}$. With batteries and test leads. Imported. Shpg. wt., 4 lbs.
99 T 5076
Net 24.95

## SPECIFICATIONS

Ranges-DC Volts: $0-0.25-2.5-10-50-250-1000 @ 25 K$ ohm $/ V ; 0 \cdot 0.125$. 1.25-5.0-25-125-500 @ 50K ohm/N. AC Volts: 0-3-10-50-250-1000@ 2.5K ohm/V; 0.1.5-5.0-25-125-500 @ SK ohm/V. DC UA: 0.25@ 125 $m V ; 0.50 @ 250 \mathrm{mV}$. DC mA: 0.5-50-500@ $250 \mathrm{mV} ; 0.2 .5-25-250 @$ 125 mV , DC amperes: $0-10$ @ 250 mV ; $0-5$ @ 125 mV . $0 \mathrm{hm}: \mathrm{R} / 5, \mathrm{R}$, 10R ( $13,65,6500 \mathrm{hms}$ @ center); $100 \mathrm{R}, 1000 \mathrm{R}(6.5 \mathrm{~K}$ Ohms @ center). DB: -20 to +85 in 10 AC volt ranges.

## SR LAFAYETTE Top Quality Instruments-VTVM's, Test Equipment

DELUXE LAFAYETTE VTVM WITH GIANT 6½" METER

- Wide Band RMS Measurements on any Waveform from 30 cps to Over 5MC, Without Additional Probes or Accessories
- 11 Megohm Input Resistance-Negligible Loading Effects on DC Circuits
- Direct Reading DB Scale
- Balanced Push-Pull Amplifier-Isolates and Protects Meter
- Pilot Light Indicates When Unit is " $0 n$ "
- Selected $1 \%$ Zero Temperature Coefficient Multiplier Resistors for Dependable, Accurate Readings
- Silicon Rectifier in Power Supply Reduces Effects of Heat on Component Values
- Accurately Measures AC Peak-To.Peak Voltage, AC RMS Voltage, DC Voltage and Resistance
- Giant $61 / 2^{\prime \prime}$ Full-View Meter With Easy-To-Read TwoColor Scales
A high quality, accurate VTVM employing a glant $612^{\prime \prime}$ easy reading $400 \mu \mathrm{~A}$ meter. 11 megohm input resistance. AC RMS voltages may be read directly up to 1500 volts and resistance from 0 to 1,000 megohms in 5 overlapping ranges. Has zero-center scale for alignment of FM and TV detector circuits. Push-pull amplifier electrically isolates the meter movement - meter is virtually impossible to burn Out. Precision $1 \%$ multiplier resistors. SPECIFICATIONS: DC VOLTMETER RANGES: 0 to 3, 30,150 , 300 , 1500 volts. Input resistance: 11 megohms (1 megohm in probe) on all ranges. A.C. VOLTMETER RMS RANGES: 0 to 3, $30,150,300,1500$ voits. PEAK-TO.PEAK RANGES: 0 to 8, $80,400,800$ volts. DECIBEL RANGES: -10 to +5 . +6 to $+25,+26$ to +45 db . Response: 30 cps to above 5 Mc . OHM METER RANGES: 0 to 1000 megohms in 5 overlapping ranges. ZERO CENTER VOLTMETER RANGES: $0-1.5,15,75,150,750$ volts. COMplete with $11 / 2 \vee$ battery, instructions, and 3 probes: Common, $A C$ volts/ohms and DC volts probe. Size $71 / 2 \mathrm{H} \times 61 / 2 \mathrm{~W} \times 5^{\circ} \mathrm{D}$. For $110-120 \mathrm{~V}$ 60 cycle AC. Shpg. wt., 7 lbs.
38 T 0101w $\$ 5$ Monthly $\qquad$ Net 34.95
38 T 0103 Accessory RF Probe 1 lb. Net 3.95
38 T 0106 H.V. Probe. Extends range to $30,000 \mathrm{~V} .1 \mathrm{lb}$..... Net 5.85 38 I 1508 Leather Case for VTVM, 1 lb . $\qquad$ $\begin{array}{ll}\text { Net } & 5.85 \\ \text { Net } 2.95\end{array}$
99 T 6257 Replacement Battery Net 14


## DELUXE PORTABLE TUBE AND CRT TESTER

Test All Modern Tubes Including Novars, Nuvistors, Compactrons, and Decals. Test All Picture Tubes; Black and White-and Color


Housed In A Handsome, Sturdy, Portable Case Com: plete With All Adapters and Accessories Ready To Plug In and Use, No Extras To Buy!

No Money Down

- Tests Each Section of Multi-Section Tubes Individually For Shorts, Leakage and Cathode Emission
- Tests All Black and White Picture Tubes For Emission. Inter-Element Shorts and Leakage
- Red, Green, and Blue Color Guns Are Tested Individually For Cathode Emission, Leakage, and Shorts
- Large $4 \frac{1}{2}$ " Dual Scale Meter

Versatile, reliable and highly accurate tube checker! Designed to meet the demands of servicemen, technicians, students and hobbyists. Checks over 2,500 tubes-and will accept new tubes as they become avallable. Tests Nuvistors; 10 pin types; Magnavols; Compactrons; Decals; and black/white CRT's with deflection angles from $50^{\circ}$ to $114^{\circ}$ Including $110^{\circ}$ RCA and Sylvania types plus color CRT's. Tests each section of multi-section tubes individually for shorts, leakage and cathode emission. Indicates leakage up to 5 Megohms, Checks color guns (Red, Blue and Green) individually for shorts and leakage between control grid, cathode and heater elements. Front panel has complete set of tube pin stralghteners. $41 / 2^{\prime \prime}$ dual scale meter features a sealed damping chamber to assure accurate, steady readings. Unit comes complete with all cables and accessories plus two instruction books for current receiving and CRT tube listings. Size $14 \times 37 / 8 \times 9^{\circ} \mathrm{D}$. Shpg. wt., 8 lbs . For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. 38 T 0114 W $\$ 5$ Monthly

Net 47.50

# Tube and Transistor Checkers sigafayette Test Equipment 

## NEW! LAFAYETTE TUBE AND TRANSISTOR CHECKER KIT

- Easy To Build Step By Step Instructions
- Checks Latest Compactrons, Nuvistors, Novar And 10 Prong Tubes
- Checks Tubes For Shorts, Leakage, intermittants, and Quality
- Checks Transistors For AC Current Amplification
Easy, step-by-step wiring and assembly instructlons. Enjoy big dollar savings when you build this fine tube and transistor tester kit. Tube section features testing of compact. rons, nuvistors, novars, and 10 -pin tubes in addition to 7 - and 9 -pin miniatures, octals, and loctal types. Short, leakage, and inter:mittant tests avallable. Quality is indicated directly on an easily read, 3 -color meter scale. Each section of multi-purpose tubes is checked separately. Hi-FI, Magic-Eye, and voltage regulator tubes can also be tested. Obsolescent proof: Unique switching arrangement allows new tubes to be tested as they become avaliable. In addition, this fine tester also checks transistors: PNP and NPN, high or low power, for AC amplification. Tells immediately whether or not transistor is operable. Portable, rugged tester is ideal for serviceman and hobbyist alike. Enclosed In a high Impact bakelite case with carrying strap. Supplied with batteries, full instructions. and ring bound manual of tube charts. For 110 VAC 60 Hz . Size: $81 / 2 \times 71 / 2 \times 4^{\prime \prime}$. Wt. 5 lbs.
38 T 0112 w
Net 27.95
As above, wired and tested.
38 T 0113w \$5 Monthly
Net 42.95



## LAFAYETTE FILAMENT CONTINUITY TUBE CHECKER



- Compact, Ideal For Tube Caddy

Small and compact as a cigarette box. Quickly checks filament continuity in. a matter of seconds. Ideal for the serviceman or the technician working in the field. Tests filaments of radio, TV picture tubes. Also can be used to test many other elec. trical devices and line cords, fuses, lamps and bulbs. Has sockets for TV picture tube and loctal, octal, 9 -pin, as well as 7 -pin sockets. Provided with two test leads. Grey hammertone finish. Size: $4 \times 3 \times 11 / 2^{\prime \prime}$. Shpg. wt. 12 oz. Imported.
99 f 5016
Depend on Lafayette For Complete Stocks, Lowest Prices, Fastest Service

VERSATILE TRANSISTOR And DIODE TESTER


- Cherks Transistors For Opens. Shorts, High Leakage
- Checks Diodes and Rectifiers For Opens. Shorts, Relative Fcrward/Reverse Resistance
Provides all necessary servicing checks: checks transistors and diodes for shorts, leakage, open elements, forward and reverse current, and DC beta gain. Handles both low and high power transistors. Also serves as a continuity checker. Simple slide switch operation handes PNP or NPN type transistors. Test leads are provided for checking transistors which do not fit in the tester socket Operates on standard 9 volt battery. Size: $23 / 4 \mathrm{H} \times \mathrm{W} \times 1$ g. ${ }^{\circ} \mathrm{D}$. Shpg. wt., 802 . 38 Y 0201 Less Battery __... Net 19.95 99 T 6021 Battery for above _. Net ea. . 21

- Instant Hook-up for Analyzing, Testing and Adjusting Color CRT's and Associated Circuitry Under Actual Operating Conditions

[^9]
# Signal Generators-Capacitor Checkers 

## LAFAYETTE SINE/SQUARE WAVE GENERATOR

- Frequency Range-

Sine Wave: $20 \cdot 200,000 \mathrm{~Hz}$ in 4 Bands,
Square Wave: $60-30,000 \mathrm{~Hz}$

- Etched Circular Vernier Dial

Especially designed for radio-TV servicemen, Hi-Fi fans and students who requife a dependable sine and square wave generator at low cost. An outstanding instrument factory wired, tested and calibrated. Among lits many applications are square wave testing of audio amplifiers, determining the frequency and transient response of loudspeakers. TV audio circuit testing and many other uses. Quality features and specifications consists of a frequency range of 20 Hz to 200,000 cycles Hz in 4 bands. A large easy-to-read and set etched dial (vernier tuned) adds a professional quality touch. Variable attenuator adjusts amplitude of output signal. A full wave power sup. ply is incorporated to provide low distortion and constant output. Factory wiring and calibration insure accuracy of $\pm 3 \%$. Output voltage is 7 volts across a 1 megohm load. Rugged steel cabinet and shock-proof mointings protect components. Complete with instructions and test leads. For $117 \vee 50 / 60 \mathrm{~Hz} \mathrm{AC}$. Size: $101 / 2 \mathrm{~W} \times 71 / 2 \mathrm{H} \times 53 / 8{ }^{\prime \prime} \mathrm{D}$. Imported. Shpg, wt., 10 lbs.
99 T 5014 \$5 Monthlv
Net 39.95

## SPECIFICATIONS

Frequency range: Sine wave: $20 \cdot 200,000 \mathrm{~Hz}$ in 4 bands. Square wave $-60 \cdot 30.000 \mathrm{~Hz}$. Output Voltage: Sine: $7 V$ RMS: Square 7 VV . P.P. Output Impedance -0.5000 Ohms. Frequency Accuracy: $\pm 3 \%$. ois tortion: less than $2 \%$.

## LAFAYETTE RF SIGNAL GENERATOR

- Factory Calibrated and Tested
- Dual Output RF Terminals
- Dial Calibration $\pm 2 \%$
- Six Bands: 120 kHz 260 MHz
- Separate Variable Audio Output
- Etched $41 / 4$ " Circular Vernier Dial

Stable, wide-range signal generator engineered to fill the need for an accurate low cost service instrument. The delicate oscillator coils and tuning assembly are factory mounted and adjusted for optimum performance. Can be used for IF-RF alignment. audio signal tracing of TV, FM and AM sets, IV linearity checks, and 400 cycle audio testing. Also serves as a marker generator when used with a sultable sweep generator. Incorporates a large $41 / 4^{\prime \prime}$ etched circular vernier dial for easy, accurate frequency adjustments. Provides a fundamental frequency output of 120 HHz to 130 MHz in 6 obands plus a calibrated harmonic output of 120 hHz to 260 MHz . Bultit.in audio oscillator operates at 400 kHz with adjustable output to 8 volts. Continuously variable RF attenuator for proper signal attenuation and two plug-In RF output terminals provide a choice of high and low outputs for maximum fiexibility. High output and tuning dial calibration of $\pm 2 \%$. Imported.
99 T 5015 Shpg. wt., 9 lbs.
Net 29.95

## SPECIFICATIONS

Full frequency range: 6 Fundamental bands $-120.320 \mathrm{kHz} 320.1000 \mathrm{kHz} \quad 1.3 .5: \mathbf{M H z}$. $3.2-11 \mathrm{MHz} 11.38 \mathrm{MHz} 36.130 \mathrm{MHz}$ One harmonic band 120.260 MC . Frequency Accuracy: $\mp 2 \%$. Audio Dutput: to 8 volts. (Vernier tuned) High-Low RF output Terminals, Power Requirements: $105.125 \mathrm{VAC} 50 / 60 \mathrm{~Hz}, 12$ Watts. Attractive gray wrinkle steel case with leather carrying handie. Complete with test leads. Size: $7 \mathrm{H} \times 10^{1 / 2} \mathrm{~W} \times 53 /{ }^{\prime}{ }^{\prime \prime} \mathrm{D}$. Shpr. wt., 9 lbs.

Frequency coverage: $88 \mathbf{k H z}-440 \quad \mathrm{MHz} ; 10$ direct-reading $1 \%$ accurate bands, 400 Hz audio with up to 80 volts output. Oual shieided RF attenuators. Four types of signals: Unmodulated RF; 400 Hz modulated RF ; ex. ternally-modulated RF; audio output. Size: $13 \times 111 / 2 \times 65 / \mathbf{m}^{\prime \prime}$. $117 \mathrm{~V} 50 / 60 \mathrm{~Hz}$ AC. Shpg. wt. 16 lbs.
38. $\mathrm{T} 1800 \mathrm{WX} \$ 8.00$ Monthly

Net 149.95

- Checks Capacitors in Circuit
- Magic Eye Indicator
- Wide Range 10 MMF to 2000 MMF


## LAFAYETTE IN-CIRCUIT CAPACITOR CHECKER

 0ny $18^{95}$Allows you to check most capacitors from 10 mmf to 2000 mmf for open or shorted conditions without unsoldering. Just connect the test leads across the component you wish to test, press the switch and note the eye tube's face for an open or short condi. tion. Checks coupling, by-pass, fliter and blocking capacitors. Accurate readings are made in seconds-an important factor in today's complex electronic equipment. It also Indicates capacitor leakage, Tests for opens on capacitors of 10 mmf , or more; for shorts up to $2,000 \mathrm{mmf}$. Shunted by not less than 10 ohms. Complete with test leads and instructions. For 117 VAC. Size: $7 \%$, $\mathrm{W} \times \mathrm{H} \times 4 \%$ "D. Imported. Shpg. wt., 5 Ibs. 99 T 5022 Net 18.95

# Selected Test Equipment and Test Leads 

CAPACITANCE SUBSTITUTION BOX

- 9 Ranges From .0001 to .22 MFD

A must for the serviceman, experimenter or student. Fast accurate selection of any one of 9 capacitor values from .0001 to .22 MFD . Condensers are porcelain cased tubular type Impervious to moisture and are rated at 600 volts working capacity. 9 capacitance ranges are $.0001, .001 .0022, .0047, .01, .022, .047$ .1 plus 22 MFD. Complete with $36^{\circ \prime}$ red and black test leads and alilgator clips. Size $43 / 4$
 99 T 5020


## RESISTANCE SUBSTITUTION BOX

## - 24 Resistance Values

- Two Ranges-Low: 15-10K Ohms. High: $15 \mathrm{~K}-10$ Megohms
Substitute resistance values fast and accurately In trouble shooting circults where values may have changed. Slide switch selects two ranges-Low: 15 ohm-10K ohms (1 watt resistors). High: 15 K ohm- 10 Megohms ( $1 / 2$ watt resistors). Two rotary swltches ( 12 steps each) selects 24 separate resistances. Size: $43 / 4 \times 2 \% \times 1^{5 / 40^{*}}$. Imported. Shpg. wt., $11 / 2 \mathrm{lbs}$. 99 T 5021 Net 2.95


## LAFAYETTE RESISTANCE-CAPACITY SUBSTITUTION BOX

- 24 Resistance Values
- 9 Capacitance Ranges

Versatile seivice instrument... enabies rapid substitution of a wide rance of resistor or capacitor values. Resistance values in two ranges ( 12 steps each) -Low: 15 ohms to 10 K ohms; High: 15 K Gnms to 10 Megohms. $\pm 10 \%$ accuracy. Capacitance ranges are: .0001 . $0010 ;$.0022; .0047; .010; .022; .047; .10; 22 MFD (rated at 400 volt working capacity). Size: $51 / 2 \times 23 / 4 \times 13 / 4 \mathrm{H}$. Imported. Shipg. wt, 1 lb .
99 T 5075 $\qquad$ Net 4.95

## NEW! CRT 30KV TEST PROBE

Thls small self-contained probe featuring a built-In voltmeter, can be used for any color or B\&W TV set. Easy to operate! Made of high impact plastic, it requires no batteries or external power source - no warm-up time. 30,000 volts DC range, 20,000 ohms/voit sensitivity; accuracy of $\pm 3 \%$; multiplier resistance is $600 \mathrm{Megohm} \pm 2 \%$. Overall length is only $143 / 4{ }^{-2}$. With ground wire and clip. Shpg. wt., 1 lb . 38 T 1201

Net 19.95

- With Built-In Meter



## PROTECT YOUR METER with METERGARD

- Easily Installed - No Overload Damage


Newly-Developed, fully tested device to protect your meter, regardless of make, against overtoads. No more bent pointers, damaged pivots, or burnt out coils. Installation of metergard will allow your meter to withstand as much as a $10,000 \%$ overload. Shpg. wt. 1 lb. 38 † 6801

Net 2.95

## LECTROCELL DC POWER SUPPLY FOR VTVAM's

## $3^{95}$



Quickly replaces $12 / 2$ volt battery used in VTVM's for resistance measurements. Regu. lar battery must be replaced at regular intervals, if it is forgotten the instrument may be ruined by chemical corrosion. Eliminate trouble by installing this power supply. Install it and forget it. Shpg. wt., 2 lbs. 38 T 6802

## HIGH VOLTAGE LEADS

For hi-volt testing
In TV sets. Extra heavy duty.
Special finger guards. High tension wire. 22,000 volts breakdown. $48^{*}$ long. Shpg. wt., 602 s . With phone tips.

| Stock Mo. | Type | Wt. | Per Pair |
| :--- | :--- | :--- | ---: |
| 32 T 6401 | Phone tlips | 602. | 2.20 |
| 32 T 6402 | Spade lugs | 6 Oz | 2.20 |
| 32 T 6403 | Allig. Clips | 6 Oz. | 2.40 |

## KLIPZON ADAPTERS <br> 

Convert old test points to self holding prods. Fits over standard phone tips or needle type. 32 T 8015 Red, 2 oz. $\qquad$ Net Ea. 38 32 T 8016 Black, 2 oz. Net Ea. . 38


A simple, safe, electrical circult tester for voltages from 60 volts $A C$ to 550 volts $A C$ or DC. Imported. Shpg. wt., 2 oz.

## 99 T 8071 <br> Net ea. . 39

## STANDARD TEST LEADS

Standard test leads furmished with pinstic prods and pin plugs which withstands chipping or breaking. Extra flexible kinkless vinyl covered $60^{\circ}$ red and black leads, Prods are red and black. $4^{\text {n }}$ long $\times 3 / 8^{n}$ dlameter. Supplied in palr of one red and one black. Avallable with elther pin or banana plugs. Shpg, wt. 8 oz. Imported.
99 I 5001 With Banana Plugs ___ Net .39
99 T 5002 With Pin Plugs
Net 39


Cannot kink or become entangled. 16" coll extends to 9 feet. Includes red and black plastic handies on each end. Probe $61 / 2^{\prime \prime}$ long Including tips. Shipg. wt., 4 oz . Imported. 99 It 5023 Net 1.95 50" THIN TYPE TEST LEADS


For hard to reach places. Extra slim plastic handles with long, sllim, insulated prods attached. $50^{\circ \prime}, 6000 \mathrm{v}$ test wire. Angle type phone tips. Shpg. wt., 4 ozs. Net per pair 1.35

## UNIVERSAL TEST LEAD KIT IN PLASTIC CASE



Consists of: pair of red and black color coded 4 "/8" $\times 3 / 8^{\prime \prime}$ plastic handle pin prods with 37" heavy duty, 5000 V rubber insulated leads terminating in coded $2^{\prime \prime} \times 3 / 8^{\prime \prime}$ banana plugs; palr of spade lugs; pair of phono-tips; and pair of red and black insulated alligator clips. Handsome compartmented plastic case. Imported, Shpg. wt., $11 / 2$ lbs.
99 T 5003

# Reliable, Popular Priced Test Equipment 

## LAFAYETTE SOLID-STATE DC POWER SUPPLY/BATTERY ELIMINATOR

## LAFAYETTE TRANSISTORIZED DC POWER SUPPLY



- For Use As A Serviceman's DC Power Supply
- For Use As A Battery Eliminator For Transistor Radios

Essential Instrument for repair of solid state equipment requiring constant low voltage. Doubles as a convenient battery eliminator for transistor radios. Highly filtered circultry provides four output voltages: $4.5 v_{\text {. }} 9 v_{\text {. }} 6 \mathrm{v}$. and 12 v . Voltage selection is simplified with front panel slide switches. Features transformer power supply and pilot light. For 117 VAC. Overall size: $51 /{ }^{\circ} \mathrm{W} \times 25 / 8 \mathrm{D} \times 21 / 2 \mathrm{H}$. Imported. Shpg. wt., $11 / 4$ lbs. 99 T 5074

Net 7.95


- AC Ripple Less Than .025\%
- Transistorized Regulation Circuitry

Provides continuously variable voltage and current with low ripple. Excellent for operation of transistorized devices. Panel meter reads either current or voltage. SPECIFICATIONS-Output voltage: $0-20$ volts DC (continuously variable). Output Current: $0-20$ MA $0-200 \mathrm{MA}$ (in two ranges). AC Ripple: less than $.025 \%$. Power Input: $110-120$ volts, $50-60 \mathrm{~Hz}$, AC. Fully fused. Size: $61 / 4 \times 1 / 8 \times 31 / 4^{\prime \prime}$. Imported. Shpe. wt., 4 lbs.
99 T 5068

## MINIATURE POCKET TESTERS


(A)

> as low as $3^{45}$
(A) EBY SUBMINIATURE POCKET TESTER measures only $3 \times 4 \times 11 / 4^{* \prime}$, yet this amazing tester is 8 instruments in 1. Measures AC-CC volts from 0.1000 on low range. High ( 50 Kv ) Range makes it ideal for measuring high voltage. Other uses: T.V. signal tracer, a condenser tester, a variable frequency aud to oscillator, AGC substitute voltage supply, a visual output-meter for allgnment work and continulty tester. Complete with instructlons. Shpg. Wt., 3 tbs.
38 T 2802
Net 6.95
(B) EMICO PLUG.IN LINE VOLTAGE TESTER. Low cost AC line voltage tester. Permits accurate instantaneous check of line voltage AT THE RECEPTACLE. Easy to read black-onwhite scale has 5 -volt graduations between 50 and 150 volts. $2^{\prime \prime}$ meter has a damped movement accurate to within $5 \%$ at full scale. Shpg. wt., 802.
38 T 3103
Net 3.45

## CHEK-IT ELECTRICAL CIRCUIT TESTER

## 164

Here is a handy pocket size tester which is ideal for servicemen, schools, electricians and hobbyists. Completely portable and simple to use, checks electrical continulty of line cords, switches, coils, and fuses. Ideal for checking out buzzers, chimes, and various other electrical appliances. Uses 2 Inexpensive penilght cells. Shpg. wt. 3 oz. 38 T 7908 Chek-It less batteries _Net 1.64 8 Battery for "Check-It". 2 required 99 T 6258

## AMPROBE VT- 100 VOLTPROBE

NEW!


- Voltage Tester For Levels Up To 550 V AC, 750 V DC
- Indicates Grounded Side of Line
- Shows Grounded Side of Motors and Appliances

For easy voltage readings anywhere-anytime. Fils into shirt pocket. "Thermometer Style" Illuminated window indicates voltage level, AC or DC. Emits a distinet 8-U-2.2 over a wide $25-800$ cycle range. Compact unit incorporates a sllding push-up probe and a retractable probe with expanding coil cord attached that permits measurements of polnts over 3 feet apart. Voltage Levels: AC 115-220-277-440-550 volts, DC 115-220-400-$600-750$ Volts. Size: $6 \times 21 / 4 \times 3 / 4^{\prime \prime}$ with probes retracted.

$4^{95}$


## - All Purpose Electronic And Electric Probe

A unique test instrument combining the features of a highly versatile probe with a neon checker, its built-in capacitive network permits bypassing stages, checking open capacitors, isolating defective stages without external signal generator, and ellmination of time consuming capacitor substitution. Shpg. wt., 1 lb .
38 T 4101 $\qquad$ N


- Resistance Substitution
- Capacitance Substitution
- IF \& RF Signal Generator
- Audio Generator
- AC \& DC Voltmeter
- RF Field Strength Indicator

Combines seven of the most wanted test functions in one compact easy-to-carry unit. SPECIFICATIONS Resistance Substitutions: $100 \Omega$, $1 \mathrm{KO}, 10 \Omega \mathrm{~K}, 100 \mathrm{KQ}, 1 \mathrm{MO}$. Capacitance Substitution: $.002 \mu \mathrm{fd}, .005 \mu \mathrm{fd}, .02 \mu \mathrm{fd}$ $.1 \mu \mathrm{Pd}(600$ volt-oil). $10 \mu \mathrm{fd}$ ( 350 v , elec. trolytic). If and RF Generator Frequency: 455 kHz (variable) Audio Generator Frequency: Approximately 400 Hz . AC \& DC Voltmeter Ranges: $0-15,50,150,500,(200 \mu \mathrm{a}$ meter movement). RF Field Strength Frea. Range: $1-140 \mathrm{MHz}$. With 5 section antenna, test leads, and battery. $61 / 4 \times 33 / 4 \times 21 / 2^{\prime \prime}$. Imported, Shpg. wt., 2 lbs.
99 T 5067
Net 13.95

## DON BOSCO "MOSQUITO" SIGNAL INJECTOR



A pocket-size, cordless pen-type instrument. Oscillates at 1 kc with harmonics to 30 mc . Can be coupled into magnetic circuits and pickups without leads. Ideal for tracing radios, TV, tape recorders, hearing alids and sound systems. Lightwelght, transistorized. Output 50 v p-p. Features a detachable attenuator probe. Output impedance, 10K. DC input voltage, 600 v max. Uses economical 1.5 volt penlight cell. Size: $5 \% / 8^{\prime \prime}$ long x $1 / 2^{\prime \prime}$ 0.0 . Shpg. wt. 2 oz .

38 T 2210
Net 9.95

# EICD Electro, LAFAYETTE Power Supplies 

NEW EICO 1025 SOLIO STATE PORTABLE DC POWER and BIAS


## Kit

## $34^{95}$

- Continuously Variable Output Monitored by A Dual Range Voltmeter: 0-6, 0-30 VDC
- 500 MA Milliameter

Versatile, stable $D C$ power and bias supply provides continuously variable output mon itored by a dual range voltmeter (0.6, 0.30 VDC) and 500 ma milliammeter. Applications include: a variable blas supply for transistors on vacuum tubes; to offset AVC and AGC voltages in the alignment of TV and radio receivers or to cut off the color burst amplifier in color TV adjustment; a OC filament supply or a fllament blas source to recharge small storage batteries or to do light electroplating. Max. continuous output current: 1 ma from $0-12 \mathrm{~V}, 20 \mathrm{ma}$ from $12-24 \mathrm{~V}, 300 \mathrm{ma}$ from $24-30 \mathrm{~V}$. Ripple $.005 \%$ at full load. For 117 VAC at 60 Hz . $3 y / 4 \times 8 \times 43 / 4^{\prime \prime}$. Shpg. wt., 6 lbs.

Wired $49^{95}$ 38 T 2732 Model 1025 kit

Net 34.95
Model 1025 W-As above but factory wired.
38 T $2733 \$ 5$ Monthly
Net 49.95

## EICO 1078-K METEREO <br> AC POWER SUPPLY KIT

Lab-type supply compensates for power line variations. 0.140 VAC adjustable output from 120 v. AC input. Separate ammeter and voltmeter permit simultaneous monitoring of voltage and current. Ammeter has dual ranges: ( $0.2 .5,0.7 .5 \mathrm{amps}$. ); ranges can be switched under test. Accuracy, $\pm 3 \%$ F.S. $81 / 2 \times 53 / 47^{\prime \prime}$. Steel case. For $105-125 \mathrm{v}$. 60 cycles AC, Shpg. wt., 16 lbs. Not Illustrated. 38 T 2697

Net 69.95
Model 1078.W. As above, but factory wired. 38 T $2698 \$ 5$ Monthly ........... Net 95.00

## ELECTRO MODEL EC-2 0.16 VOLT

DC POWER SUPPLY
New Low Price


No Money Down

- Continuously Adjustable Output
- Very Low Ripple Current

Versatile, compact DC power supply. Provides well fiftered, continuously adjustable DC output of $0-16$ volts at 5 amps . Suitable for transistor servicing and lab or industrial development needs. Ripple is less than $0.5 \%$ at full output. Regulated output changes only 1.8 y for each amp of load current change. Steel cabinet, $43 / 8 \times 103 / 4 \times$ $61 / \mathrm{z}^{\prime \prime}$. For 117 v, $50 / 60 \mathrm{cps} A C$. Shpg. wt. 11 lbs.
38 T $3311 \$ 5$ Monthly
Net 49.50

EICO 1020 TRANSISTOR DC POWER AND BIAS SUPPLY KIT

REGULATED POWER SUPPLY


- $0.6,0.30$ voC Variable Output Voltage
Continuously variable output voltage to 30 volts monitored by a dual range voltmeter ( $0-6,0-30 \mathrm{VDC}$ ). Ideal for servicing both tube and transistor gear. Maximum continuous output; 150 ma from 0.12 V .i 200 ma from $12-24 \mathrm{v}$.; 300 ma from $\mathbf{2 4 - 3 0 \mathrm { v }}$. Full-wave sill-con-diode rectifier circuit with R-C input filter plus two power transistors in a cas caded filter circuit. Fuse protects unit against overload. Rugged steel case, 4 Wx 5 Hx $51 / 2^{\prime \prime} \mathrm{D}$. For $105-125 \mathrm{v} ., 60$ cycles AC. Shpg. wt., 5 lbs.
38 T 2695 Model 1020 KIt
Net 25.95 Model 1020W-As above but factory wired. 38 T 2696 \$5 Monthly

Net 34.95

- Regulated B+ Power 0.400 Volts DC, Continuously Variable
- 6.3 And 12.6 VAC Filament Supplies

Lab-type supply provides continuously variable $0-400$ VDC $8+$ and $0-150$ VDC blas volt. age fully regulated with less than 3 mv rms ripple. Current: $0-100$ ma continuous, $0-200 \mathrm{v}$. 0.150 ma continuous, $200-400 \mathrm{v}$. Fliament voltage: 6.3 vac @ 3 amps., 6.3 vac center tapped., 12.6 amps © 3 amps. Two monitoring D'Arsonal panel meters. For 105-125 vac, $50 / 60 \mathrm{cps} .81 / 2 \mathrm{H} \times 121 / 2 \mathrm{~W} \times 9 \times \mathrm{D}$. Shpg. wt., 25 lbs.
38 T 2714W Model 1030 Kit
Net 69.95 Model 1030W-As above but factory wired. 38 T $2715 \mathrm{WX} \$ 5$ Monthly $\quad$ Net 99.95

(A) MODEL 1060 LOW RIPPLE 6-12 VOLT BATTERY ELIMINATOR AND CHARGER KIT Versatile, rugged unit incorporates an extra low.ripple filter circuit. Ideal for latest alltransistor 6 or 12 volt equipments and any conventional ones using vacuum tubes. Selection of voltage range automatically provides appropriate current range. Fused transformer primary. Continuous voltage adjustment with Variac. 2 DC ranges and dual-range ammeter for accurate readings. Ranges: high range $=0.16 \mathrm{v}$. $1.5 \%$ ripple at 2 amps: $2 \%$ at 6 amps: 6 amps continuous, 12 amps intermittent: 10 w range $=0.8 \mathrm{v}$. $0.3 \%$ ripple at 2 amps. $1.5 \%$ at 10 amps .10 amps continuous. 20 amps intermittent. For $105-125$ volts $50 / 60$ cycle a.c. All components and instructions included. $83 / 4 \times 101 / 2 \times 73 / 4^{\prime \prime}$. Shpg. Wt., 19 lbs . 38 i 2728 Kit \$s Monthly

Net 45.95 Model 1060. As above, but factory wired and tested. 38 T 2729 \$5 Monthly

Net 59.95

## (B] MODEL 1064S 6-12 VOLT BATTEAY ELIMINATOR AND CHARGER KIT

An excellent low ripple unit useful for transistor, tube, "hybrid" auto radio repair or wherever minimum ripple is mandatory. Features 2 DC voltage ranges. 6 or 12 V . DC separate voltmeter and dual range ammeter-up to 10 amperes continuous. AC ripple: $0.3 \%$ @ 2 amperes. For $105-125$ volts, $50 / 60 \mathrm{c} ;$ Size: $81 / 2 \mathrm{H} \times 5 / 4 / 4 \times 71 / 2^{\circ} \mathrm{D}$. Shpg. wt., 14 ibs. 38 T 2730 Kit $\$ 5$ Monthly

Net 49.95
Model 1064. As above, but factory wired and tested
38 T 2731 \$5 Monthly
Net 64.95

## LAFAYETTE HB-501 SOLID STATE 12-VDC POWER SUPPLY

## New Low Price 995

Operates with an input of 117 volts, $50 / 60$ Hz AC and provides a 12.6 volt DC power output. Ripple is less than 0.2 volts at 850 ma . $15.8 \mathrm{~V} \pm 0.3 \mathrm{~V}$ @ $150 \mathrm{ma}, 11.7 \mathrm{~V} \pm 0.3 \mathrm{~V}$ @ 790 ma . Features a power switch and pilot light. Size: $11{ }^{1} \mathrm{~K}_{6} \times 6 \mathrm{~K}_{6} \times 23 / 4^{\prime \prime}$. Imported. Shpg. wt., 8 lbs.
99 T 3028 w. ......
Net 9.95


- Ideal For Servicing 12 -Volt CB Transceivers


# FIC■ VTvM's, VOM's, Transistor, and CRT Checkers 

 KIT OR FACTORY WIRED AND TESTED
## MODEL 232K PEAK-TO-PEAK VACUUM TUBE VOLTMETER KIT



- 7 Non-Skip Ranges On Every Function

A precision-unit with advanced engineering features. 11 megs input impedance. $1 \%$ pre. cision ceramic multiplier resistors used. Measures directly peak-to-peak voltage 0-4, 14, 42, 140, 420, 1400, 4200. DC/RMS sine volts: $0-1.5,5,15,50,150,500,1500$ (up to 30,000 volts with HVP probe, and 250 mc with PRF probe). Ohms: 0.2 ohms to 1000 megs in 7 ranges. Easy calibration. 44/2" meter, can't-burn-aut circuit. Zero center. With AC/DC Uni-Probe. Exceptional stability and accuracy. All components and instructions supplied. For $105 \cdot 125 \quad 50 / 60 \mathrm{~Hz} \mathrm{AC}$. Size: $842 \times 5 \times 5^{\prime \prime}$. Shpg. wt., 7 lbs.
38 T 2617 Model 232 KIt
Model 232. As above. but factory
Net 34.95 38 T $2618 \$ 5$ Monthly

Net 49.95


Deluxe peak-to-peak VTVM for all TV/FM/AM servicing. Features big $71 / 2$ " meter in "can"t burn out' circuit. Has zero center scale, $1 \%$ multiplier resistors and "Uni-probe" for all measurement functions. Ranges: $\mathrm{D} \cdot \mathrm{p}$ volts, $0 \cdot 4 \cdot 14 \cdot 42 \cdot 140 \cdot 420 \cdot 1400-4200 \quad \forall ;$ DC/RMS volts, 0-1.5-5-15-50-150-500-1500 v. Response, 30 Hz to 3 MHz Resistance, 0.2 ohms to 1000 megohms in 7 non-skip ranges. Size: $81 / 2 \times 13 \times 5^{\prime \prime}$. For $105-125$ v. $50 / 60 \mathrm{~Hz} \mathrm{AC}$. Shpg. wt., 9 lbs.
38 T 2619 Kit. $\$ 5$ Monthly
Net 39.95 Model 249. As above, but factory wired. 38 T 2636 \$5 Monthly

Net 59.95 PROBES FOR VTVM'S
HVP2 HV Probe-wired only. Extend range of VTVM to $30,000 \mathrm{v}$. Shpg. wt., $1 / 2 \mathrm{lb}$ 36 T 2624
PRF.11K- 11 meg RF probe kit. 36 T 2628 Shpg. wt. . is to. PRF.11-As above, ractory wired. 36 T 2633 Shpg. wt. $1 / 2$ lb.

Net 8.95
Net 4.50

## 584K BATTERY TESTER KIT

Tests all $A$ and 8 portable radio batterles in or out of receiver. Tests lantern batteries and may be adapted to other types. Tests by checking battery terminal voltage, simulating conditions of actual operation. Test positions: volts-1.5, 4.5, 6.0, 7.5, 9.0, 27.5, 45, 67.5, 75, 90 , plus spare position. Complete, easy to follow instructions. Test leads provided. $61 / 4 \times 33 / 4 \times 2^{\prime \prime}$. Not illustrated. Shpg. wt., 2 lbs.
38 T 2693
Net 9.95
Model 584. As above, but factory wired.
38 T 2694
Net 12.95


## MODEL 235K VTVM KIT

Deluxe VTVM teatures $6^{\prime \prime} 200$ micro-amp meter, $\not \backslash 2$-volt full scale DC range for tran sistor servicing. AC/DC "Uni-Probe", and $1 \%$ precision muitiplier resistors. Ranges: AC DC volts, $0.0 .5,-1.5,5,15,50,150,5001500$ D-p volts, $0,4,14,42,140,1400,4200$; resis. tance, 0.2 ohms to 1000 megs in 7 ranges. Response: 3 Hz to 3 MHz . Accuracy: $\mathbf{3 \%} \mathrm{AC}$ and DC. Has 11 megohm OC input supplied with uniprobe. For $117 \mathrm{v}, 50 / 60 \mathrm{~Hz}$ AC. Size: $84 / 2 \mathrm{H} \times 742 \mathrm{~W} \times 5^{\circ} \mathrm{O}$. Shpg. Wt., 9 lbs. 38 T $2716 \$ 5$ Monthly

Net 49.95 Model 235. As above, but factory wired. 38 T 2717 \$5 Monthly

Net 69.95

## MODEL 250K AC VTVM AND AMPLIFIER KIT

Combination wideband amplifier and AC VTVM measures voltage from 100 microvolts to 300 volts. Amplifier develops gain of 60 db with a maximum output of 5 volts RMS. 0.1, $0-3$ scales are linear. -80 to +52 decibel scale with 10 db interval. Amplifier response: 10 Hz to 600 kHz . Input impedance: 10 meg . $105-125$ volts, $50 / 60 \mathrm{~Hz} \mathrm{AC}$. $82 / 2 \mathrm{H} \times 53 / 4 \mathrm{Wx}$ $7^{\prime \prime} 0$. Includes all parts and instructions. Shpg. wt., 9 lbs. Not illustrated.
38 T $2620 \$ 5$ Monthly... ........... Net 59.95
Model 250 as above, but factory wired.
38 T 2621 \$5 Monthly
Net 89.95

## MODEL 680K TRANSISTOR \& CIRCUIT TESTER KIT



- Measures Transistor ICBO, ICEO. DC Beta
Accurately measures basic transistor and diode characteristics. Checks ICBO, ICEO, DC Beta; simulated AC Beta. 20,000 ohms/ volt meter includes 5 DC current ranges, down to $50 \mu$ a full scale, DC voltage ranges ( 5,50 ) 3 resistance ranges: ( 0 to 2,000 , 0 to $200,000,0$ to 20 megohm) $\pm 3 \%$ accuracy. Self-powered. With leads, batteries. Bakelite case $63 / 4 H \times 53 / 4 W \times 3^{\prime \prime} D$. Shpg. wi., 3 los.
38 T 2685 Kit $\$ 5$ Monthly
Net 34.95
Model 680 Same as above, but factory wired. 38 T 2686 \$5 Monthly


# Oscilloscopes and Tube Checkers <br> KIT OR FACTORY WIRED AND TESTED 



Features direct-coupled push-pull vertical amplifier. Response flat from DC to 500 kHz.-6 db @ 1 MHz 4-step plus CAL vertical atienuator, Sensitivity $10 \mathrm{mv} \mathrm{p}-\mathrm{p}$ or 3.5 mv rms per cm . Horizontal amplifier: flat from 2 cps to 450 kHz . Sensitivity 0.5 vp -p or 0.18 v ims per cm. Voltage calliorator for peak-to peak measurements. Sweeps 10 Hz to 100 kHzin 4 ranges. Gun of CRT is mu/metal shielded. For $105-125 \mathrm{~V}, 60 \mathrm{~Hz}$ AC. Sire: $81 / 2 \mathrm{x}$ $121 / 2 \times 16 \mathrm{Koc}$. Shpg. wt., 30 lbs.
38 T2641wX Kit. $\$ 5$ Monthly Net 99.95 Model 427. As Above, but factory wired. 38 T 2642 wx $\$ 8$ Monthly ........... Net 139.95

## MODEL 435K

 WIDEBAND DC $3^{3}$ SCOPE KIT$119_{\mathrm{kt1}}^{95}$ No Money Down

- 18 MV

RMS/CM Sensitivity

- Zenor Diode Callbration
- DC 4.5 MHz Flat Response

A compact lightweight $3^{\text {" }}$ wideband scope ideat for home cotor TV service. Push-pull vertical amplifier offers direct or capacitive inputs. Response: flat from DC to $4.5 \mathrm{MH1}$; sensitivity: $18 \mathrm{mv} / \mathrm{cm}$. Reproduces 3.58 MHz color sync burst easily. Vert. input decade attenuator. Input Impedance: 1 Meg shun ted by 35 mmf . Horizontal: flat 1 Hz to 500 $\mathrm{kHz}_{2}$ Sensitivity: $0.7 \mathrm{v} / \mathrm{cm}$. Input imp. 4 Meg shunted by 40 mmf . Full screen vert. and horiz. positioning. Sweeps from 10 Hz to 100 kHz in 4 ranges plus pre-set IV.V and TV-H sweep positions. Fast retrace blanking. $51 / 4 \mathrm{~W} \times 81 / 2 \mathrm{H} \times 125 /{ }^{\prime \prime} \mathrm{D}$. For $105 \cdot 125 \mathrm{~V}, 60 \mathrm{~Hz} \mathrm{AC}$. Shpg. wt., 17 lbs.
38 T 2637wx Kit. $\$ 6.50$ Manthly Net 119.95 Model 435 as above, but factory wired. 38 T 2638wx $\$ 9$ Monthly


## EICO OSCILLOSCOPE ACCESSORY PROBES

Features: fully shielded rugged terminal board mounting of all parts. Shock-mounted floating construction. Probe bodies are color-coded for easy identlfication. Shpg. wt., 5 oz.

38 T 2645 Model PSD-K Demodulator Probe Kit
38 T 2646 Model PSO as above but factory wired 38 I 2647 Model PD-K Direct Probe Kil
38 T 2648 Model PD as above, but factory wired 38 T 2649 Model PLC-K Low Capacity Probe Kit 38 I 2651 Model PLC as above, but factory wired

Net 4.50
Net 6.95
Net 3.50
Net 4.95
Net 4.50
Net 6.95

MODEL 635K PORTABLE TUBE TESTER KIT


## - Extremely Portable Design

Tests new Decals, Magnovals, Novars, Nuvls. tors, Compactrons, 10 pin, foreign, hi. 1 i , industrial types, and all popular TV picture tubes. Rapid tests for dynamic cathode emission, shorts, grid leakage, and gas. Even where internal pins are tied or heater is tapped. shorts can be detected. $31 / 2^{\prime \prime \prime}$ D'Ar. sonval type meter protected against burnout. other features include: meter bridge circuit for assured accuracy; pin straighteners; long life phosphor bronze sockets; short and grid leak indicator; power indicator; modern lug. gage design, scuff.proof case. includes complete tube chart. $8 \mathrm{y} / \mathrm{ax} 113 / \mathrm{sx} \times \mathrm{y} / 4^{\text {". }}$. Shpg. wt. 5 lbs.
5 lbs. 38 T 2738 Kit $\$ 5$ Monthly ..........Net 44.95 38 T 2738 Kit $\$ 5$ Monthly ...lory wired.
Model 635 -As above, but faclor 38 T $2739 \$ 5$ Monthly

## MODEL 628 K CATHODE CONDUCTANCE TUBE TESTER KIT

## - Test New Tube Types

 $59_{\text {kit }}^{95}$Cathode conductance type of tube tester features 13 individual lever switches for complete flexibility rests 7,9 and 10 pin miniatures, octal, loctal, 5 and 7 pin nuvis. tors. novars and compactrons. Pilot light socket. Tests VR's and "eye" tubes. Tests for short and open elements. Also tests all color and black and white CRT's with optional adaptor. Protective overload lamp shows transformer overloads and acts as fuse 3column roll chart frequently revised for up. to-date data. $422^{\prime \prime}$ meter. With all parts and instructions For $105-125 \mathrm{~V} 60 \mathrm{~Hz}$ AC. Size: $121 / 2 W \times 91 / 2 \mathrm{H} \times 41 / 2{ }^{2 \prime} \mathrm{D}$. Shpg. wt., 11 lbs. 38 I 2655 Kit. $\$ 5$ Monthly Net 59.95 Model 628 as above, but factory wired 38 T $2656 \$ 5$ Monthly

Net 79.95

DELUXE MODEL 460K $5^{\prime \prime}$ WIDE BAND DC SCOPE KIT


- 10 MV RMS/CM Sensitivity
- DC to 4.5 MHz Flat Response
- TV.V and TV-H Sweeps

Excellent Lab precision scope featuring Pushpull direct coupled vertical amplifier with high sensitlvity: $\mathbf{2 5} \mathbf{~ m v} / \mathrm{in}$. Response flat from DC to 4.5 MHz , useful to 10 MHz , ideal for reproduction of 3.58 MHz color TV sync. burst. 4 -step frea.-compensated attenuator in boin AC, DC positions. Also internal volt. age calibration. Automatic sync. limiter and amplifier. 2x-full screen horizontal postion. ing. Sweep-freq.: 10 to 100 Hz with external capacitor for lo-freq. sweeps. Presel TV V \& H sweep positions ( 30 and 7875 Hz ). Variably lit graphed $5^{\prime \prime}$ screen. Very hi-input im. pedance. Complete with all components and instructions for easy assembly. $13 \times 812 \times 16^{\prime \prime}$. For $105-125$ VAC. $50-60 \mathrm{~Hz}$. Shpg. wt., 30 los 38 T 2643 WX KII. $\$ 5$ Monthly .... Net 99.95 Mode1 460 . As above, but factory wired. 38 T 2644WX $\$ 8$ Monthly ........... Net 149.95

## MODEL 667K DYNAMIC CONDUCTANCE TUBE AND TRANSISTOR TESTER KIT



89옹
No Money Down

- Separate Plate, Screen, and Grid Switches
- Test New Tube Types

Combines a mutual conductance test with a peak emission test to give a single reading of fube quality. Also checks transistors for leakage and beta. Tests almost every domes. tic or foreign tube including nuvistors, novars, compactrons. minlatures, subminia. tures, octals and loctals. Tests special purpose tubes, voltage regulators, electron ray, efc. Multi-circult level switch; 15 tube. element pushbutton switches. $41 / 2^{\prime \prime} 200$ ua $D^{\prime}$ 'arsonval meter; roll chart. Steel case. For $105-130 \mathrm{v}, 60 \mathrm{~Hz}$ AC. $12 \times 15 \times 412^{\prime \prime}$. Shpg, wt., 20 lbs.
38 T 2652WX $\$ 5$ Monthiy
Net 89.95 Model 667 as above, but factory wired. 38 T 2653 Wx $\$ 7.50$ Monthly ....... Net 139.95

SIGNAL GENERATORS-Kits or Factory Wired

## साजD <br> 

## MODEL 324K <br> RF SIGNAL GENERATOR KIT

For IF-RF alignment, signal tracing and trouble-shooting of TV, FM, AM sets all on fundamentals: marker generator for álignment of new $h$-f and older I-f TV IF's, Range: $150 \mathrm{kHz}-145 \mathrm{MHz}$ on fundamental: 111-435 MHz on calibrated harmonics - $\pm 1.5 \%$ fre. quency accuracy. Internal 400 Hz sine-wave modulation variable from $0.50 \%$. Colpitts oscillator. Variable gain external modulation amplifier; Turret-mounted, slug-tuned coils. RF output 100,000 microvolts. AF output up to 10 volts. Output impedance is 50 ohms. for $105-125 \mathrm{~V}$. AC $50 / 60 \mathrm{~Hz}$. Size: $8 \times 10 \times 43 / 4^{\prime \prime}$ Shpg. wt., 10 ibs .
38 T 2659 Kit $\$ 5$ Monthly .............Net 32.95
Model 324. As above, but factory wired
38 T $2660 \$ 5$ Monthly
Net 44.95


## MODEL 147AK

## DELUXE SIGNAL TRACER KIT

A deluxe instrument with superb testing facilities, engineered for high sensitivity as well as good audio quality. Features high gain RF and low gain audio channels. Both visual and aural monitors. With shielded RF crystal demodulator, valuable noise locator circuit, built in calibrated wattmeter, sub stitute test speaker, amplifier and output transformer. Output for VTVM or scope. Triode input circuit for extreme low noise. Hum free operation. Complete with all com ponents and instructions with probes. For $105-125$ vac $50 / 60 \mathrm{~Hz}, 8 \times 10 \times 43 / 4^{\prime \prime}$. Shpg wt. 11 lbs
38 \} 2661 Kit. $\$ 5$ Monthly
Net 34.95
Model 147A. As above, but factory wired
38 T $2662 \$ 5$ Monthly

Net 49.95

DELUXE MODEL 378 AUDIO GENERATOR KIT


- Switch Selectable Frequency Output from 1 Hz To 110 kHz

FEATURES: Positive setting detent switches and large $41 / 2^{\prime \prime}$ meter. SPECI. FICATIONS: Switch selectable frequency output, 1 Hz steps $(1-10) \mathrm{Hz}, 10 \mathrm{~Hz}$ steps $(10-100 \mathrm{~Hz}), 100 \mathrm{~Hz}$ steps ( 100 $\mathrm{Hz}-1 \mathrm{kc}$ ); 1 kHz steps (1 kHz to 10 kHz steps ( 10 kHz to 110 kHz ). Frequency Accuracy: $\pm 5 \%$. Distortion: Less than $0.1 \% 20 \mathrm{~Hz}-20 \mathrm{kHz}$. Output Voltage Ranges: $0.3,10 \mathrm{~V}$ into hi- 2 ( 10 K min.) $0.003, .01,03, .1 .13$. IV into ext. or int. 600 ohm load. Output Meter Accuracy: $\pm 5 \%$ of full scale. Power Reouirements: $120 \vee 50 / 60 \mathrm{~Hz}$. Size: $81 / 2 \times 121 / 2 \times 9^{\prime \prime}$. Shpg. wt. 13 lbs .

Net 59.95
MODEL 378-as above, but factory wired 38 T 2721w $\$ 5$ Monthly

Net 79.95


MODEL 315K DELUXE SIGNAL GENERATOR KIT
Ranges 75 kHz to 150 MHz . on 7 calibrated bands. Accuracy better than $1 \%$, stabilized by VR power supply circuit. Covers 75 KC to 50 MHz . on 5 ranges. Calibrated harmonics. 13 MHz . to 150 MHz . Provision for external modulation of Internal 400 Hz . sine-wave modulation. Output $100,000 \mu \mathrm{v}$. Attenuator provided. Bandspread vernier tuning. Illuminated dial and gear-driven anti-backlash, hairline pointer protected by glass. For 105.130 V 60 Hz . Size: $12 \times 13 \times 7^{\prime \prime}$ Shpg. wt., 20 lbs.
38 T 2669 W Kit $\$ 5$ Monthly
Net 69.95
Model 315. As above, but factory wired. 38 T 2670 Wx \$5 Monthly ..............Net 89.95

## 5MC AND 4.5 MHz CRYSTALS

Precision crystals, fit sid. socket, wt., 502. 38 T $2671 \mathrm{C} .5,5 \mathrm{MHz}$. Crystal ........ Net 3.95 38 T 2672 C-4.5, 4.5 MHz. Crystal . Net 3.95

## MODEL PSI SIGNAL INJECTOR PROBE KIT

Pocket size, cordless, pen type instrument generates and injects a signal covering the audio, IF, and RF spec. trum. Contains a solid state oscillator powered by two long-llfe $11 / 2$ volt penlight cells. Can be coupled into magnetic pickups and circuits without leads. Oscillates at 1000 kHz with har. monics to 30 MHz . Impedance: 10 K ohm. Size: $55^{\prime \prime}$ long $x 1 / 2^{\prime \prime}$ diameter. 38 T 2735 Kit. Wt., 302 . ..... Net 5.95 38 T 2734 Factory Wired ...... Net 9.95


## MODEL 369K TV-FM SWEEP MARKER GENERATOR KIT

- Aligns TV and FM IF's
- Post-Injection Marker

Features post injection marker and sweep circuit. Sweep gen. is independent of mark. er gen. and feeds sweep signal only to IF strip being allgned. 5 ranges, from 3.5 MHz to 220 MHz . Impedance: 50 ohms variable frequency Marker: 4 ranges, 2.225 MHz 2.75 MHz in Fundamentals, to 225 MHz in Harmonics. Fixed Frequency Marker: 4.5 MHz . crystal included. For $105-125 \mathrm{~V}, 60 \mathrm{~Hz}$ AC. Size: $121 / 2 \times 82 / 2 \times 7^{\circ \prime}$. Shpg. wt., 16 lbs. 38 T 2667 wx Kit $\$ 5$ Monthly ...... Net 99.95 Model 369. As above, but factory wired.
38 T 2668wx $\$ 8$ Monthly …....... Ne\& 149.95


## AUDIO GENERATOR KIT

- Sine Wave: $20-20,000 \mathrm{~Hz}$ in 4 Bands
- Square Wave: $60-50,000 \mathrm{~Hz}$ Wien-Bridge-type oscillator providing both sine and square waves $1 \%$ resistors and 4 -ganged condenser used. Frequency range: Sine wave, $20-200,000 \mathrm{~Hz}$ in 4 bands. Square wave, $60.50,000 \mathrm{~Hz}_{\text {; }}$ Response $\pm 1.5$ db, $60-150,000 \mathrm{~Hz}$. Distortion less than $1 \%$ Hum less than $0.4 \%$ Accuracy $\pm 3 \%$. K follower output of 10 V across 1000 ohms (rated load 100 mw ). Tube Complement: 26K6. 1-6SJ7. 1-6X5 and 1-3S6 3-watt lamp. Requirements: $117 \mathrm{VAC}, 60 \mathrm{~Hz}, 50$ watts. Size: $71 / \mathrm{ex} 111 / 6 \times 75 / \mathrm{s}^{\prime \prime}$. Shpg. wt., 14 lbs . 38 T 2663 Kit $\$ 5$ Monthly .....Net 39.95 Model 377 As Above, but factory wired. 38 T $2664 \$ 5$ Monthly

N Net 54.95


## MODEL 380 SOLID STATE NTSC

## COLOR GENERATOR

## Available Factory Wired Only

Transistorized portable color generator provides $100 \%$ saturated NTSC standard color signals necessary to set up and service color TV. Generates 11 different color signals. Chrominance and lumenance for hue and demodulator ad. justments; dots. crosshatch horizontal and vertical lines for convergence and linearity adjustments. Color burst precisely gated and delayed. Phase angles for all colors are permanent RF outout: $0.50 .000 \mu \mathrm{~V}$ into 300 ohms. 61.25 MHz crystal controlled for TV ch. 3. Video output: $0-10 \mathrm{~V}$ p-p both positive and negative polarities. Sync color signals crystal-controlled. For $117 \mathrm{~V}, 60 \mathrm{~Hz} \mathrm{AC}. \mathrm{Size:} 53 / 3 \mathrm{~W} \times 81 / 2 \mathrm{H} \times 678^{\prime \prime} \mathrm{D}$. Shpg. wt.. 14 lbs. 38 T 2658 WX Monthly


MODEL 566K, Large $41 / 2^{\prime \prime}$ meter features: AC/DC sensitivity of 1 K ohm $/ \mathrm{v}$. totals 38 ranges: $A C / D C$ volts: $0.1 .5 \cdot 10 \cdot 500-5000 \mathrm{AC} /$ DC. Current: $0.1 \cdot 10 \mathrm{~m} . \mathrm{a}$. $0-0.1 \cdot 1 \mathrm{amps}$. Ohms: 0.5K. 100K-1 meg. DB: -20 to +69 in 6 ranges. All components and instructions supplied. $67 / 4 \times 5 \mathrm{M} / \times 3^{\prime \prime}$ Shpg. wt., 4 Jbs . 38 T 2601 Model 566 Kit .............Net 19.95

Model 566. As above, but factory wired. 38 T 2602

Net 29.95
Model 556K. Same as 566K but with $1 \%$ resistors.
38 T 2603
Net 21.95
Model 556. As above, but factory wired. 38 T 2604

Net 34.95
MOOEL 536K (Not Illustrated). Outstanding value. 3" meter features AC/DC sensitivity of 1 K ohm/v. 31 ranges $A C / D C$ volts: $0-1$ $5 \cdot 10-50-100-5000$. AC / DC current: $0-1-10$ ma. $0-0.1 \mathrm{amp}$. ohms: $0-5 \mathrm{~K} ; 100 \mathrm{~K}-1 \mathrm{meg}$. DB -20 +69 in 6 ranges. All components and in. structions supplied. $61 / 2 \times 31 / 2 \times 21 / 4 \%$. Shps. wt. 2 lbs.
38 T 2605 Model 536 Kit
Net 16.95
Model 536. As above, but factory wired. 38 T 2606

Net 22.95

## IN-CIRCUIT CAPACITOR TESTER KIT

## $24^{95}$ <br> Kit <br> $39^{95}$ <br> wired

No Money Down

- Test Capacitors in or Out of Circuit
- Electron Ray Tube Indicator Provides Easy Reading
- Tests For Shorts and Opens In or Out of Circuits

Checks for shorts (even in the presence of as little as 1 ohm shunt resistance). Checks for opens; capacitors as small as 15 mmf in or out of clicuit: Wien bridge circuif measures capacitance with $\pm 10 \%$ accuracy between 0.1 mf and 50 mf at any point on the 4" lucite dial-product, convertible into dissipation or power factor-indications visi. ble on electron ray tube. Includes fine adjust control. For $105-130 \mathrm{VAC}$. Size: $81 / 2 \mathrm{H} \times 5 \% \mathrm{~W}$ $\times 6^{\circ} \mathrm{D}$. Shpg. wt., 4 lbs.
38 T 2691 Model 955 Kit
Net 24.95
Model 955. Same as above but lactory wired and tested.
38 T 2692 \$5 Monthly
Net 39.95


1171

## RESISTANCE DECADE KIT

Model 1171 k Substitute equivalent values of resistance in a circult. From 0 to 99,999 ohms in 10 hm steps in 5 decades. Uses $0.5 \%$ accumate resistors. Comparator switch permits instant substitution. 12 Lx $31 / 2 W \times 3^{\prime \prime} \mathrm{D}$. less leads. Shpg. wh. 3 lbs.
38 T 2677 Model 1171 Kit
Net 24.95 Model 1171 Same as above but factory wired 38 T $2678 \div 5$ Monthly

Net 39.95

## CAPACITANCE DECADE BOX KIT

Model 1180K - Range: 100 mmf to 0.111 mf in increments of 100 mmf . 3 decade assem. blies. Rated 350 VDC continuous, 500 VDC intermittert 1000 VDC test. Accuracy $\pm 1 \%$. $9 \times 34 / 2 \times 31 / 2^{\prime \prime} \mathrm{D}$. Shpg. wt., 3 lbs .
38 T 2679 Model 1180 Kit ..........Net 19.95 38 T 2680 As above but wired .... Net 29.95


MODEL 1140 SERIES/PARALLEL RC. COMBINATION BOX KIT
A versatile combination of Models 1100 K and 1120 K (above) with switching facilities for selection of any A alone, any C alone, or 1350 sombinations of $R$ and $C$ in series or parallel. Resistance values from 15 ohms to 10 megohms; capacitance values from 0.0001 tu $0.22 \mathrm{mfd} . \pm 10 \%$ accuracy. Open and short circuit positions provided. Can be substituted in circuit to determine values. Convenient 5 way jack binding posts. $6 \% 4 \times 5 \mathrm{M} / 4 \mathrm{~W} \times 23 / 6 " \mathrm{D}$. Shpg. wt., 3 lbs . 38 T 2687 Model 1140 Kit .......... Net 15.95 Model 1140. Same as above but factory wired and tested.
38 T 2684
Net 24.95

MOOEL 950K R-C BRIDGE
$\&$ RCL COMPARATOR KIT


Combination RC bridge and comparator, a direct reading ratio scale for comparison measurement of capacitance, resistance and inductance with a "standard" complimentary component. Measures (in 4 ranges) 0.5 ohms to 500 megohms; 10 mmf to 5000 mfd . Comparator range: .05 to 20. Variable DC polarizing voltage from 0 to 500 V tests capacitors for leakage and shorts. "Eye".tube null Indicator. Less leads. For $105.125 \mathrm{~V}, 60 \mathrm{~Hz}$ AC. Steel case. $8 \mathrm{H} \times 10 \mathrm{~W} \times 4 \mathrm{M} /{ }^{\circ} \mathrm{D}$. Shpg. wt., 10 lbs. 38 T 2689 Model 950 kit

Net 29.95 Model 950. Same as above but factory wired 38 T 2690 ....... $\$ 5$ Monthly .......... Net 39.95


MODEL 888 SOLID STATE ENGINE ANALYZER KIT

- Large 6" D'Arsonval 2 Color Meter Seven professional engine and ignition systems in one. Determine the condition of battery, starter, ignition coil, distributor, voltage regulator, alternator or generator. Peiforms on 4, 6, or 8 cylinder, 6 or 12 voits, pos. of neg. grounded systems. Self-powered. ( 4 "D" cells not included). SPECIFICATIONS: Dwell 0 to $45^{\circ}$ for 8 cyl., 0 to $60^{\circ}$ for 6 cyl .. 0 to $90^{\circ}$ for 4 cyl.; RPM - 0 to 1200 and 0 to 6000 for 4,6 , and 8 cyl.; Voltage - 0 to 3.2 and 0 to 16 V . DC; Ohms - 0 to 20 Ko for general continuity and alternator diode testing; Current - 0 to 90 amps. DC. $111 / 2 \times$ $6 \times 5{ }^{m}$ Shpg. wt., 7 lbs. 38 T 2722 Kit $\$ 5$ Monthly

Net 49.95
Model 888 as above, but factory wired 38 T $2723 \$ 5$ Monthly

Net 69.95

## MODEL 944K FLYBACK TRANSFORMER AND YOKE TESTER KIT



Provides a positive check, in just a few seconds, on all types of tlybacks and yokes, both in out $2^{6}$ the circult. Operates on extremely sensltive grid-dip princlple to show up even one shorted turn. Separate callbration settings for air-core flybacks and yokes to assure accuracy in testing both types. Large, easy-to-read $41 / 2^{\prime \prime}$ meter, with three colored scales. Tube complement: one 6K6. 105-125V. AC, $60 \mathrm{~Hz} .7^{\prime \prime} \times 5^{\prime \prime} \times 4^{\prime \prime} \mathrm{D}$. Shpg. wt., 6 lbs.
38 T 2701 Model 944 Kit
Net 29.95
Model 944 . Same as above, but factory wired.
38 T 2702 \$5 Monthly

# EIGD EMC SPRAGUE TEST EQUIPMENT 

## Just Out-New 1969 EICO Test Equipment Kits

MODEL 443 TRANSISTOR-DIODE CURVE TRACER KIT


Tests power and signal transistors, diodes and rectifiers. Adaptsto any general purpose oscilloscope and displays the DC character istics of semiconductor devices. Built in oscilloscope. calibrator voltage switch. Contains a flashing indicator light to indicate when high voltage is present at the diode test terminals. Transistor tests: Beta - 6 volts at 10 ma . maximum collector current for signal transistors and 6 volts at 1 amp . max. collector current for power transistors. Diode tests include: Forward current ( $0-1,100$ ma). Reverse Current (IR) - ( $1,10,100 \mu \mathrm{a} /$ div). Peak inverse voltage (PIV) - $(1,10,50$, 100 volts/div). $3 \times 111 / 2 \times 91 / 2$. Shpg. wt., 12 lb.
38 T 2740 \$5 Monthly ..................... Net 69.95 Model 443 as above but factory wired 38 T 2741 \$5 Monthly

Nel 99.95

MODEL 465 PROFESSIONAL WIDE BAND 5' SCOPE KIT

$179^{95}$ MODEL 385 SOLID STATE COLOR BAR and $H$ positioning; automatic sync limiter and amplifier; full $12^{3} / 4 \mathrm{H} \times 81 / 2 \mathrm{~W} \times 171 / 2^{\circ " \mathrm{D}}$. Shpg. wt. 30 lbs. 38 T $2742 \mathrm{WX} \$ 9$ Monthly

Precision, wide band oscilloscope with frequency response from DC $108 \mathrm{MHz}, \mathrm{V} / \mathrm{H}$ amplifier sensitivity of .05 volts P-P/ cm. Features: zener diode controlled voltage callbration source; distortionless $V$ and $H$ trace expansion; drift-free $V$ retrace blanking; edge lit calibration grid. Vertical amplifier specs: response from DC to $8 \mathrm{MHz}(+1-5 \mathrm{db})$; sensitivity$12 \mathrm{mv} / \mathrm{cm} \mathrm{rms}$; input impedance-1 meg; Horizontal amplifier response from $D C$ to $1 \mathrm{MHz}(+1-3 \mathrm{db})$; sensitivity - 17 $\mathrm{mv} / \mathrm{cm}$ rms; input lmpedance - 1 meg; Sweep ranges: 10.100 $\mathrm{Hz}, 100.1 \mathrm{kHz}, 1 \mathrm{kHz}-10 \mathrm{kHz}, 10-100 \mathrm{kHz}$. Plus: TV-VERT position $(30 \mathrm{~Hz})$ and TV-HOR position ( 7875 Hz ). For 117 V . AC. 60 Hz . 38 T 2743 WX Model 465 wired. $\$ 11.50$ Monthly ...... Net 249.95 SOLI STATE COLOR BAR GENERATOR KIT Accurate Battery Operated Portable Generator Crystal-controlled, portable unit. Feeds directly into antenna terminals on TV. Produces 10 -bar color display plus a well defined dot and crosshatch pattern. Provides individual horizontal and vertical lines for convergence adjustments. A color-coded gun killier can eliminate 1,2 or 3 colors. Operates on $6^{\circ} \mathrm{C}$ " cells. $21 / 2 \times 81 / 2 \times 8$. Shpg. wt., 7 lbs.
 38 T $2744 \$ 5$ Monthly

Net 79.95 38 T 2745 Model 385 wired 99 T $6257{ }^{\text {"C }} \mathrm{C}$ " batteries ( 6 req.) Net .14
EMC TEST EQUIPMENT KITS


MODEL 212 TRANSISTOR ANALYZER KIT. Battery powered, checks all transistors for beta in 3 ranges to 200; leakage on 3 -color scale. Tests all transistors in circuit without removing them. Can be used to signal trace AF, IF or RF circuits. Also measures battery voltages on $0-12$ volt peak and DC current drain on 0.80 milliampere scale. checks condition of diodes. Supplied with test leads and instructions. Size: $33 / 4 \mathrm{Wx} 61 / 4 \mathrm{H} \times 2^{\prime} \mathrm{D}$. Shpg. Wt., 2 lbs .

## 38 T 2401 Model 212 kit <br> 38 T 2402 As above, but factory wired

Net 13.50

MOOEL 21 MOOEL 213 TUEE TESJER Kif. Checks all new Compactrons. Nuvistors, Novars and 10 prong tubes in addition to Octals, Loctals, Minlatures and g-prong tubes. Tests for shorts, leakages, intermittents and quality. Quality is indicated directly on 3-color metal dial. Each section of multi-purpose tubes is checked separately. Also tests Magic Eye, Voltage Regulator and Hi-Fi tubes. Supplied complete with highimpact bakelite case and strap, instructions and tube charts in ring bound manual. Size: $81 / 2 \times 71 / 2 \times 4^{\prime \prime}$. Shpg. wi., $51 / 2$ lbs.
38 T 2403 Model 213 Kit
Net 20.50
Net 31.40

MODEL 801 RESISTANCE COMPARATOR CAPACITANCE \& CAPACITY CHECRER KIT. Measures condensers for actual value, leakage, and power factor. Detects in-chrcuit opens above 50 mmfd , shorts up to $\mathbf{2 0} \mathbf{m f d}$, and condensers that are intermittent in operation. Checks capacity values in 4 ranges from 10 mmfd to 5000 mmid ; resistance in 4 ranges from .5 ohms to 500 megs. Also checks capacitor, inductance or resistance ratio, or transformer windings with a ratio of 20:1 or less. Tests power factor and leakage at rated voltages between 0.500 VoC. Size: $10 \times 7 \times 5^{\prime \prime}$. Shpg. wt., 7 lbs. 38 T 2405 Model 801 Kit 38 T 2405 Model 801 Kit
38 T 2406 Model 801 Wired. $\$ 5$ monthly .................................................... 27.45
43.95 MODEL 202 SICNAL TRACER ANO GENERATOR KIT. COMbination signal tracer and generator. In the absence of a signal it generates lits own signal for audlo. IF or RF testing. Incorporates a nolse locator cir. cuit for checking nolsy components. Provisions are made for using the instrument as a substitute speaker or amplifier. Audio Freq., 400 cycles; If Freq. 455 Kc (Mod.). Complete with demodulator and audio probes. $10^{\prime \prime} \times 7^{\prime \prime} \times 5^{\prime \prime}$. Shpg. wt., 8 lbs.
38 T 2407 Mode! 802 Kit
Net 27.45
38 T 2408 wired. $\$ 5$ monthly
Net 43.95
$99^{50}$
No Money Down


- Designed for Versatility, Accuracy, Safety and Convenience
- Tests Low-Voltage Capacitors Used in Transistor Clicuits Without Damage


## SPRAGUE MODEL TO-6 TELOHMIKE CAPACITOR ANALYZER

A moderately priced instrument for complete analysis of all types of capacitors, including low-voltage capacitors, at a guaranteed accuracy of $\pm 3 \%$ for values to 200 mfd . and $\pm 5 \%$ from 200 mfd . up. Capacitance bridge measures capacity in five ranges from 1 mmf to 2000 mfd . with color-keyed pushbutton range selection. Large meter directly indicates insulation resistance up to 50,000 megohms for paper, ceramic and mica capacitors. Wien bridge measures power factor of electrolytic capacitors from 0 to $50 \%$ in three ranges. Leakage current of electrolytic capacitors measured directly on meter, with continuously variable test voltage up to 600 volts. Bum-out-proof meter; safety switch. $87 / 9 \times 145 / 6 \times 1 \%$. For $110-$ $120 \mathrm{v} 50 / 60 \mathrm{~Hz}$ AC. Shpg. wt., 12 lbs. 38 T 7001 wx $\$ 5$ Monthly
Model TO-6S. Same as TO-6 except for $115-230$ VAC $/ 50 \mathrm{~Hz}$. 38 T $7002 \mathrm{WX} \$ 6$ Monthly

# POPULAR Tmerciunt TEST EQUIPMENT KITS <br> MERCURY 1400 IN-CIRCUIT CAPACITOR CHECKER KIT <br> <br> NEW! MODEL 1800K VOM KIT <br> <br> NEW! MODEL 1800K VOM KIT <br> MODEL I101K PORTABLE TUBE TESTER KIT 



## - Eliminate Time Consuming

 Method of Unsoldering and Resoldering When Checking CapacitorsThe Model 1400 tester provides a special low testing voltage of 2.9 volts AC to prevent damage to even the most delicate transistor type electrolytics. Just connect test leads across the capacitor under test, set the range switch and it automatically indicates shorted or open capacitors. Detects shorted capacitors of all types 'in-circuit' with shunt resistance as low as 6 ohms. Detects open capacitors of all values down to 7 mmfd with shunt resistance as low as 150 ohms. Indicates value of electrolytics "in-circult" from 2 mfd to 450 mfd . All functions indicated on front panel. Dimensions $10 \mathrm{~W} \times 64 / 4 \mathrm{H} \times 41 / 2^{\prime \prime} \mathrm{D}$. Shpg. wt., 8 lbs . 38 T 3705

Net 24.95
Model 1400 As above but factory wired. 38 T $3701 \$ 5$ Monthly

## Nel 39.95



## $29_{\text {KIT }}^{95}$

$39^{95}$
wired

## - Large $6^{\text {² }}$ Meter

Designed to provide complete servicing flexibillty, and to insure a high degree of accu. racy and rellability. Includes AC and DC volts, $D C$ amps, db, and resistance scales on a full-view, easy-to-read $6^{\circ}$ meter. High impact case. Ranges; $A C$ volts: 0 to 2.5 , $10,50,250,500,1000,5000 \mathrm{~V}$. DC volts: 0 to $0.25,1,2.5,10,50,250,1000,5000 \mathrm{~V}$. DC amps: 0 to $50 \mu \mathrm{a}, 1 \mathrm{ma}, 10 \mathrm{ma}, 100 \mathrm{ma}$, $500 \mathrm{ma}, 10 \mathrm{a}$. db: -20 to $+10 \mathrm{db},-8$ to $+22 \mathrm{db},+6$ to +36 db , and +20 to +50 db . Resistance: 0 to $2 \mathrm{~K}, 200 \mathrm{~K}, 20$ megohms. Accuracy: $A C$ volts: $4 \%, D C$ volts and amps: $2 \%$. $71 / 2 \times 61 / 2 \times 4^{\prime \prime}$. Shpg. wt. $44 / 2$ lbs.
38 T 3712
Net 29.95
Model 1800. As above but Factory Wired. 38 1 3713 \$5 Monthly

Net 39.95

MERCURY FACTORY WIRED TEST INSTRUMENTS

Model 1500 Signal Generator features seven overlapping bands covering all the popular frequencies from 115 kHz to 110 MHz on fundamentals. Much higher frequencies available using harmonics. Separate, high level 400 Hz output for trouble shooting Hi-fi and video amplifiers. Contains accurate marker generator for alignment work. Switch controlled generator output for pure RF or 400 Hz AM modulated RF. Produces modulated signals to check RF, IF, converter, and detector circuits. Line isolated for safety rellable readings. Dimensions: $10 \times 61 / 2 \times 41 / 2^{\prime \prime}$. Shpg. wt., 9 lbs.
38 T $3714 \$ 5$ Monthly
Net 49.95
Model 810 Oynamic In-Circuit Fransister Tester is engineered to meet the rapidly growing demands of servicing solid state circults. Exclusive, built-in transistorized signal generator produces harmonics well into the RF range sultable for signal injection. Includes: Zener diode regulated power supply; Large, easy-to-read $200 \mu \mathrm{a}$ meter; Fast, simple pushbutton operation; Front panel mounted transistor socket and test leads. Scratchproof, epoxy finished steel case. For 17 VAC, $50 / 60$ cycles. $71 / 2 \times 71 / 2 \times 45 / 4^{\circ}$. Shpg. wt., $51 / 2 \mathrm{lbs}$. 38 T $3715 \$ 5$ Monthly

Net 89.95
MODEL 2000 MUTUAL CONDUCTAMCE TUBE AND TRANSISTOR TESTER. Accurate, fast-setting, professional quality, tube and transistor tester. Quickly tests dynamic mutual conductance. Tests all the newest tube types, nuvistors, 10 -pin types, hybrids,compactrons, thyrairons. European types, hi.fl and auto radio tubes, industrial tubes, and voltage regulators. Tubes are checked in seconds with easy-to-read chart on attractive 2 -tone panel. Tests for shorts, leaks, emission and gas. Over 100 megohms sensitivity. Long lasting phosphor bronze tube sockets, built-in custom pin straighteners. Color and Blach and White Picture tubes tested with optional CRT Adapter MH-3. $182 / 2^{\prime \prime} \times 1056^{\prime \prime} \times 41 / 4^{\prime \prime}$. Shpg. wt., 16 lbs.
38 I 3707Wx $\$ 5$ Monthly
Net 109.95
Model MH-3 CRT Adapter for Model 2000.
38 I 3708 Shpg. wt., 2 lbs.
Net 12.45
MOOEL 1900 SOLIO STATE COLOR GENERATOR. Moderately priced with all the important professional equipment features. Separate horizontal and vertical bars indicate the area of misconvergence. Video patterns: dots, crosshatch, horizontal lines (14), vertical lines (10), color bars (10). Sequence: yellow, orange, red, magenta, reddish blue, greenish blue, cyan, bluish green, green. Test each color gun separately with convenient color coded gun-killer switches on panel. High RF output on channels 3, 4 or 5 . Shock protection. For 117 volts, $50 / 60 \mathrm{~Hz}$. With gun-killers. $101 / 2 \times 61 / 2 \times 43 /{ }^{\prime \prime}$ Shpg. wt., 8 lbs. 38 T $3706 \mathrm{Wx} \$ 5$ Monthly

## $49^{95}$

For Trouble Shooting Black \& White and Color TV, Transistorized Radio \& Hi-Fi Equipment.

## $89^{95}$

- Tests All Transistors and Diodes In or Out of Circuit For A.C. Beta and Icbo Leakage


## $109^{95}$

- Tests All Tubes, New 7-Pin Nuvistors, 10-Pin Decals and Magnavols
- Line Width AdjusterVertical and Horizontal



## No Money Down

- Tests All Receiving and Picture Tubes for Dynamic Cathode Emission, Shorts, Grid Leakage and Gas.
- Tests New Decals, Magnovals, and 7-pin Nuvistors.
A fast. accurate, portable tube tester in easy.to-build kit form. Makes dynamic cathode emission tests on Novars, Compactrons, 10 -pin types and others. Shorts are detected fast. Tests all sections of multisection tubes. Has sensitive $31 / z^{\prime \prime}$ D'Arsonval meter protected against burnout. Sockets are of long lasting construction. includes pin straighteners, CRT cable, and scuff-proof carrying case. $8 \times 11 \times 31 / 4^{\prime \prime}$. Shpg. wt., 6 lbs. $38 \mathrm{~T} 3704 \$ 5$ Monthly. Nipg. Wet 39.95 Model 1101 , as above but factory wired. 38 T 3709 \$5 Monthly



# World Famous Test Equipment Kits 



Famous low cost, high quality VIVM offers you substantial savings when constructed from kit form. Easy to follow Instructions. its 28 ranges include 7 DC voltages: $0.1 .5-5$ -$15-50-150-500-1500, \pm 3 \%$ of full scale accuracy and input resistance of 11 megohms: 7 rms AC voltages: $0 \cdot 1.5-5 \cdot 15-50-150-500$ $1500, \pm 5 \%$ of full scale accuracy; 7 peak-to-peak AC voltages: 0-4-14-40-140-400-1400. 4000 volts, $\pm 5 \%$ accuracy; 7 overlapping onms ranges from 0.2 ohms to 1000 meg. ohms with center-scale values to 10,100 , $1000,10 \mathrm{~K}, 100 \mathrm{~K}, 1 \mathrm{meg}$. and 10 megohms . Other important features include zero center for discriminator alignment; frequency response of 40 Hz to 5 MHz . flat to within $\pm 5 \%$ on the 1.5 to 15 volt rms and 4 to 40 volt p-to-p ranges; $1 \%$ precision multiplier resistors; meter electronically protected against burnout. For $\mathbf{1 0 5 - 1 2 5}$ v., 50.60 Hz $A C$ with $D C$ and $A C / o h m s$ probes and cables, battery. 38 T 4602 Shpg. wt. $51 / 2 \mathrm{lbs}$.__ Net 38.00 WV- 77 E As above, but factory wired. 38 I $4603 \$ 5$ Monthiy Net 52.00

## $3078(K)$ <br> MODEL WG-307B (K) TV BIAS SUPPLY KIT



- 3 Separate DC Output Voltages From 0 to - 15 Volts


## - Has Power Transformer

Designed for use in servicing and aligning both color and tiack and white television sets. Provides inree separate DC output voltages, adjustable from 0 to -15 volts minimum for application in RF, IF and AGC bias circuits. Has power transformer. Easy to assemble kit. For $105-125 \mathrm{~V}, 60 \mathrm{~Hz}$ AC. Size: $61 / 8 \times 33 / 4 \times 2 \mathrm{~m}$. Shpg. wt., $11 / 2$ 1bs. 38 r 4512

MODEL WV-38A(K) VOM KIT


A must for any kind of electronic servicing. DC voltage has 8 ranges: $0.0 .25-1.0-2.5-10$ -$50-250-1000-5000$ volts, with $\pm 3 \%$ of full scale accuracy. DC input resistance is 20 , 000 ohms per volt. $A C$ voltage has 6 ranges: $2.5 \cdot 10-50 \cdot 250-1000-5000$ volts, with $\pm 5 \%$ full scale accuracy. AC Input resistance is 5000 ohms-per-volt. Frequency response, $\pm 1 / 2 \mathrm{db}$ from 10 Hz to 50 kHz . Resistance from $0 \cdot 2,000-200,000-20,000,000$ ohms in three ranges. $D C$ current has 6 ranges: $50 \mu$ -1-10-100-500 milliamperes, and $0-10 \mathrm{amps}$, with full scale accuracy of $\pm 3 \%$. Complete with red and black leads, ground lead and Instruction booklet. Size: $51 / 4 \times 31 / 8 \times 67 / 8^{\prime \prime}$. Shpg, wt. 4 lbs.
38 ' $4604 \$ 5$ Monthly ___ Net 38.00 Model WV-38A As above, but factory wired. 38 I $4605 \$ 5$ Manthly

Net 52.00 "D" battery for WV-38-1 req. 99 T 6256 $\qquad$ Net ea. . 15 "'AA" oattery for WV-38-4 req.

Net .10 99 1 6258

Net .10 ModeI WG-270A Carrying case for WV. 38A(K) 38 Y 4606 Shpg. wt., $1 / 2 \mathrm{lbs} . \ldots-$ Net 4.95

## MODEL WR 50B(K)

RF SIGNAL GENERATOR KIT with SWEEP FEATURES


- CW or Modulated RF Sine-Wave Signal from 85 kHz to 40 MHz $\triangle 500$ $1 . \mathrm{Kh}$ 65.00 Wired

No Money Down
Ideal for aligning and trouble-shooting $A M$, FM, TV, C8 and Ham receivers. Provides tunable output from 85 kHz to 40 MHz in 6 ranges on fundamentals, CW or modulated RF. Dial calibration accuracy $\pm 2 \%$. Built-In 400 Hz . audio oscilliator for internal or external modulation. Front panel crystal socket for oscillator callibration. Shlelded outputs. $53 / 8 \mathrm{~W} \times 73 / 4 \mathrm{H} \times 43 / 4{ }^{\text {m }} \mathrm{D}$. For $\mathbf{1 0 5} 130$ $v .50 / 60 \mathrm{~Hz}$ AC. Shpg. wt., 7 lbs. 38 T $4632 \$ 5$ Monthly
WR-50B As above but factory wired.
WR-508 As above but factory wired.
38 Y $4631 \$ 5$ Monthly
Net 45.00

ACCESSORY PRO

| STOCK No. | ICA He. | DESCRIPTION | Fon | WT. | NET |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 3874619 | WG-2990 | DC/AC Ohms Probe with Shielded Cable \& Coax. Conn. | WV-98C | 402. | 9.00 |
| 38 14621 | WG-301A | Crystal Diode Silip-on Probe, Use with WG-2990 to extend VTVM range to 250 MHz . | WV-98C | 202. | 8.25 |
| 38 7 4623 | WG. 289 | Hi -Valt Probe 10 <br> (less resistor). | WV-98C | 802. | 13.50 |
| 38 \4624 | WG. 206 | 1090 Megohm Multipller use with WG-289 \& WG-297. | $\begin{aligned} & \text { WV-77E, } \\ & \text { WV-90C } \end{aligned}$ | 202. | 3.75 |
| 38 T 4625 | WG-352A | RF Diode-Extends Measure. ments to 100 MHz . | WV-38A | 1 lbs . | 2.95 |

## MODEL WV-98C(K) SENIOR VOLTOHMYST KIT



RCA's finest VTVM features 0.5 volt DC range for transistor circuit tests, zero-center scale, big 61/2" color-coded meter with rugged $200 \mu$ a movement and accuracy of $\pm 3 \%$ on AC and OC, $1 \%$ precision multiplier resistors. Meter is electronically protected against burnout. Measures $\mathrm{p}-\mathrm{p}$ voltages up to 4200 volts of sine waves, TV horizontal sync pulses and oscillator waveforms, Response: $\pm 1 \mathrm{db}$ from 30 Hz to 3 MHz . Range: DC volts, $0-.5$ -1.5-5-15-50-150-500-1500; AC mms volts, 0 1.5-5-15-50-150-500-1500, Resistance, 0.2 ohms to 1000 ohms to 1000 megohms in 7 ranges. DC input resistance, 11 megohms. Sturdy, single-unit probe with built-in DC/ AC/Ohms selector switch. Housed in die.cast aluminum case, size: $7 \mathrm{~W} \times 61 / 2 \mathrm{H} \times 33 / 4{ }^{\circ} \mathrm{O}$. With probe and shielded cable. For $110-130$ volts $50 / 60 \mathrm{~Hz}$. AC, Shps. wt., 8 lbs.
38 Y $4609 \$ 5$ Monthly
Net 57.95
Model WV-98C. As above, but factory wired. 38 T $4610 \$ 5$ Monthly

Net 88.50
MODEL WO-33A(K)
PORTABLE $3^{\prime \prime}$ SCOPE KIT


- Ideal For Servicing
Color TV, And
139.00 Wired

Mo Money Down Audio Equipment.
Easy to build dual band scope kit. Will handle any black-and-white or color-TV servicing job and is also ideal for square wave testing of audio and ultrasonic equipment, Lots of gain and bandwidth. Vertical amplifier has two positions. On wide band position, sensitivity is $100 \mathrm{rms} \mathrm{mv} / \mathrm{in}$. and bandwidth within 3 db from 5.5 Hz to 5.5 MHz . On narrow band position, sensitlvity is $3 \mathrm{mms} m \mathrm{~m}$-in, and bandwidth within 3 to from 20 Hz to 150 kHz . Has external and $\pm$ internal sync. Sync range to 4.5 MHz . Sawtooth range from 15 Hz to 75 kHz . Line sweep can be adjusted $160^{\circ}$ phase. Vertical circuit input impedance at lo-cap cable input is 10 megohms and 10 picofarads approx. Complete with direct/locap probe and cable, and instruction booklet. Assembly instruction sheet provided with the kit. Power requirement is 50 watt at $105-125$ volts, $50 / 60 \mathrm{~Hz}$. Size $61 / 2 \times 101 / 4 \times$ 83/4". Shpg. wt., 16 lbs.
38 T $4607 \mathrm{~W} \times \$ 5$ Monthly $\qquad$ Net 105.00
W0-33A As above, but factory wired.
38 I 4608 WX $\$ 7.50$ Manthly __. Net 139.00

# New! Top Quality RE/T Test Instruments 



No Money Down

- No Zero Shift
- Special 0.5 DC Volt Range
- Constant 11 Megohm Input Resistance All solid state battery operated completely portable voltmeter that is ideal for service, industrial and lab applications. No warm up time...no zero shift. Seven overlapping re. sistance ranges measure from 0.2 ohms to 1000 megohms. Eight overlapping DC voltage ranges measure from 0.02 volt to 1500 volts including aspecial 0.5 OC volt range. Measures AC peak-to-peat voltages of complex waveforms from 0.5 to 4200 volts, and AC(RMS) voltage from 0.1 to 1500 voits. Input impedance of all $D C$ ranges is 11 megohms. Includes single-unit probe with built--nswltch for elther DC or AC and resistance measurements. With batteries. Size: 7H $x$ $51 / 2 \mathrm{~W} \times 31 / 4=0$. Shpg. wt., 5 lbs. 38 T $4635 \$ 5$ Monthly

$$
\text { W1, } 3105 .
$$

Net 75.00 WG-41A "SLIP.ON" HIGH VOLTAGE PROBE. Measures up to 50,000 DC volts. Shpg. wt., $1 / 2 \mathrm{lb}$.
38 T 4636 $\qquad$ Net 13.50

## DELUXE WR-64B COLOR BAR/ DOT CROSSHATCH GENERATOR



SALE $129^{\circ}$
No Money Down

## Save $60^{50}$

Was 189.50 in 1968 Catalog 680

- Chroma Control to Check Receiver Color Sync-Lock Action
- Crystal Controlled Synchronizing Pulses

Advanced troubleshooter for color and black. white TV sets, Crystal-controlled circults, 10 color bars for color phase adjustments. Dot and crosshatch patterns adjust convergence in color, linearity and overscan in color, black and white sets. Complete with RF output cable, cable-carrying bracket, 3 leads to red, blue and green grid connections, and Instructions. Size: $1312^{-"} \times 10^{-} \times 8^{\circ}$. For 105-125 v., $50-60 \mathrm{~Hz}$ AC. Wt., 17 ibs. 38 T 462 inx $\$ 7$ monthly Net 129.00

NEW! DELUXE WT-501A TRANSISTOR TESTER



NEW WC-506A TRANSISTOR AND DIODE CHECKER


- For In-Circuit And Out-Of-Circult Testing
- DC Beta From 1 to 1000
- Collector-to-Base Leakage As Low As $2 \mu$ a
Completely portable....... requirlng no external power source, tests both low and high power trausistors, and has both NPN and PNP sockets. Tests out-of-eircuit transistors for dec beta from 1 to 1000, collector-tobase leakage as low as 2 microamperes, and collector-to-emitter leakage from 20 microamperes ts 1 ampere. Special low impedance circuitry assures reliable in-circuit testing. Coltector current is adjustable from 20 microamperes to 1 ampere in four ranges. Three colar-coded test leads are provided. With two 1.5 volt batteries. Shipg. wh. 4 lbs . 38 T $4634 \$ 5$ Monthly Net 66.75
NEW! WA-504A TRANSISTORIZED AUDIO SIGNAL GENERATOR


No Money Down

- Wide ir requency20 Hz to $200,000 \mathrm{~Hz}$
- Simple One Scale Dial

- Switct Selection of Sine Wave or Square Wave Output and Range of Output Level
Provides a tuneable sine or square wave audio trequency signal for a frequency range of from 20 Hz to $200,000 \mathrm{~Hz}$. The WA. 504 A can be used in a wide varlety of applications, including the direct measurement of frequency response characteristics of audio amplifiers, and testing speakers and enclosures. In addition. the instrument can be used in finding the impedance of LC combinations and in determining the frequency or speed of vibrating or rotating bodies. Produces stable signal with amplliture variation not exceeding $\pm 1.5 \mathrm{db}$. HD of sine wave: less than $0.25 \%$. Shpg. Wt. $31 / 2 \mathrm{lbs}$. Fe . 35.00
38 T $4537 \$ 5$ Monthly.
- Checks NPN And PNP Types
- Tests Out-of-Circuit Transistors
- Large, Easy-To-Read Meter

Compact, battery operated instrument pro. viding quick, simple checks of relative gain and leakage levels of out-of-circuit transis. tors. Tests NPN and PNP types. Panel switch provides checking high-leakage transistors, such as most germanium power types. Includes a transistor socket, color coded test leads, and a large easy-to-read meter with a single red/green scale. Checks rela. tive front-to-back current ratio of diodes. powered by two 1.5 volt penlite batterles. Size: $37 / 4 \times 1 / 4 \times 2^{\sim}$. Shpg. Wt., 2 lbs. 38 I 4640 (WC. 506 A less batteries) Net 18.00

## OTHER OUTSTANDING RCA TEST EQUIPMENT

New! WR-502a Battery Operated Solid State Color Bar Cenerator. For portable use. Hat. terns generated: color bars, dots, crosshatch, vertical lines, horizontal lines, blank raster. Shpg. wt. 5 lbs.
38 f 4639wx $\$ 9$ monthly $\qquad$ Ne? 168.00
W0-91C 5" Scops-Ideal for servicing B \&w or Color TV receivers. Simultanious P.P measurements and wave shape display. Response: 10 Hz to 4.5 MHz . For $105-125 \vee 50 / 60 \mathrm{~Hz}$. Shpg. wt., 35 lbs.
38 I 4629 wx $\$ 13.50$ monthly __ Net 269.00
Wy-120A Pewer Line Manitor. For 100 to 140V; plugs into wall outiet. Ideal for use in laboratory or production-wherever voltage readings are criticaL Accurate RMS readings. Fast meter action reveals "bounces" and fluctuations in line voltage. Accuracy $\pm 2 \%$. Size: $31 / \mathrm{hc} \times 5 \times 3 \mathrm{k}$.
$3 \mathbf{T} 4618$ Shpg. wt., 1142 lbs. _._. Net 18.50
New WV-503a Power Liee moniter-Same as above but 200 to 280 V . Wt., $11 / 2$ lbs.
31 T 4638
Net 18.50
New wh-2sa 1 sotap and Autotronsformer Prevents damage to test equipment and units under test. ldeal for use in servicing color TV. Minimizes shock hazard. Operates as high-medium.low isolation transformer or as an auto-transformer for testing at various line voltage settings. Supplies outputs of 105 . 110, 115, 120, 125, 130: load ratings have been increased to 400 Va Max. continuous operation, and 650VA intermediate operation. Shpg. wt., 13 lbs.
30 T4641
Net $\mathbf{4 0 . 0 0}$
Buy Nowl Pay Later
No Money Down.

## Famous $\sqrt{\text { बQ }}$

## NEW! TRIPLETT 601 SOLID STATE F-E-T VOM FOR IC's

No Money Down

## With Batteries and Test Probes

- Pushbutton and Battery Operated
- Low Power Ohms for IC Measurements
- 11 Megohm Input On All AC-DC Ranges


#### Abstract

Lightwelght, portable, battery-operated solid state volt-ohm-milliameter with pushbutton function switches, and Field Effect Transistorized (FET) circuitry providing high input impedance ( 11 megohms) on all AC and DC current ranges. Low Power Ohms for Integrated Circult (IC) measurements. A total of 52 range selections can be accomplished using only one selector switch. Model 601 has an accuracy of $\pm 2 \%$ of full scale on DC and $\pm 3 \%$ on AC. Measures eiectrical parameters such as DC Volts: 0-.1-3-1-3-10-30-100-300 and 1000; AC Volts: 0-01-03-1•3-1-3-10-30-100-300-1000; Ohms: $1 \cdot 10-100-1000 \cdot 10,000-100,000-1 ~ M e g ~$ with 10 ohm center scale-both conventional and Low Power; AC-DC current Ranges: $0-10$ $100 \cdot 1000,10,000-100,000 \mu \mathrm{a}$; DB: -40 to +60 . Large $5^{\prime \prime}$ meter, Dim; $3 x_{0} \times 5 \frac{1}{2} \times 612^{\prime \prime}$. Comes complete with (10) AA batteries, test probes and operating instructions. Shpg. wt., 242 lbs. 38 T $7772 \$ 7$ Monthly $\qquad$ Net 125.00 35 T 7771 Leather Case for Model 601. Wt., 1 lb. Net 14.70


Triplett 630 SERIES HIGH ACCURACY VOM's

## ${ }^{n t b a n c x} 61^{100}$

No Money Down

- Fused Circuit Prevents Burnouts In Ohmeter Ranges
- Large Easy-To-Read 51/2" Meter
- Single Selector Switch

MOOEL 630 -Famous Triplett VOM has $51 / 2^{\prime \prime}$ meter with spring-backed jewels and $1 \%$ precision Resistors. Accuracy, $2 \%$ on DC, $3 \%$ on AC. Single 20 -position selector switch and fused ohmmeter circuit chance of incorrect settings and burnout. Ranges: DC and AC volts, 0-3-12-60-300-1200-6000 (DC at 20,000 ohms/ volt, $A C$ at 5000 ohms $/ \mathrm{v}$.); Ohms, o. $1 \mathrm{~h}-10 \mathrm{~h}$-and $0-1-100$ megohms, fow reading to. 1 ohm . DC Current, $0-60 \mu \mathrm{~A}, 0.1-12-120 \mathrm{ma}$ and $0-12 \mathrm{amps}$. $D B,-20$ to +75 ( 600 ohm line at 1 mw ); output v., 0-3.12.60-300-1200; jach with condenser in series with $A C$ ranges. Moided, fully insulated case, $3 \mathrm{~h}, \mathrm{x} 5 \mathrm{y} 2 \times 7 \mathrm{y}^{\prime \prime}$. With batteries, leads. Wt. 5 lbs.
38 $77304 \$ 5$ Monthly $\qquad$ Net 61.00 MOOEL 630A. Same as 630 , but with $1 / 2 \%$ resistors and mirror scale. Accuracy, $11 / \%$ DC, $3 \%$ AC, with batterles, leads. Shpg. wt., 5 lbs. 38 I $7305 \$ 5$ Monthly
_ Net 71.00
MOOEL 630-NS 200,000 OHMS-PER-VOLT VOM Deluxe VOM featuring 200,000 ohms/volts DC. Rugged 5 AA suspension meter movement has $51 / 2^{\prime \prime} 2$-color mirror scale. Accuracy, $11 / 2 \%$ DC, $3 \%$ AC. 62 ranges. $A C / D C$ volts to $1200 \mathrm{v}, D 8,-20$ to +77 in 10 ranges. Current measurements from $0.1 \mu \mathrm{a}$. With batteries, leads. $311 / 2 \times 31 / 2 \times 51 / 2^{\circ}$. Shog. wt., 5 lbs. 38 T 7302wx \$6 monthly $\qquad$ Net $\$ 10.00$

## ACCESSORIES FOR 630 SERIES VOM

model 639 N , Black cowhide carrying case. Cover flap snaps bach allowing full access to meter without removing case. Shpg. wt., 2 lbs. 38 T 7317 $\qquad$ Net 12.60
No. T-79 127 Replacement leads, Shpg. wt., 1 tb.
$38 T 7320$

## Triplet t Multi-Purpose VOMS

- Hand Size VOM's With Provision For Attaching Clamp-On Ammeter
 - One Selector Switch MInimizes Chance Of incorrect Settings and Burnouts 310 VOLT-OHM-MILLIAMETER Self shielded for checking in strong magnetic fields, DC volts: 0-13-12-60-300.1200 \& 20K ohms/y. AC volts: 0-3-12-60-300-1200 @ 5k ohms/v. DC $\mu \mathrm{a}$ : $0-600$; MA, 0.600 ; ohms to 200 K . with batteries, leads. Size: $41 / 4 \times 23 / 4 \times 1$ ho". 1 lb.
30 I $7306 \$ 5$ Montity Net 44.00 310-C VOLT-OHM-MILLIAMETER
Similar to 310 above, except 15 K ohm/volt $A C$ sensitivity and 600 v . ranges Instead of 1200 v . ranges. Features polarity reversing switch and range switch. Shpg. wt., 4 ibs.
35 T 7314 \$5 Monthly
MODEL 10 AMMETER ADAPTER
Clamp on type ammeter, plugs into 310c. Jaws clamp around single conductor to measure 0-6-12-30-60-$120-300$ amp AC. Shpg. wt., $31 / 2 \mathrm{lbs}$. 38 T 7307

Net 20.00

## ACCESSORIES FOR MINIATURE VOMS

MODEL 379-Leather case. Holds 310 and 10.
38 T 730 Shpg. wt., 8 oz.
Net 8.80
MODEL 101 LINE SEPARATOR-Divides two conductor cords, increases sensitivity 10X and 20X. For model 10.
38 T 7309 Shpg, wt., 2 los.
Net 0.00
MODEL No. 611 . Leads adapt model 10 for use with any VOM having
3 volt AC scale at 5000 ohms per volt, such as Tripleft 630 series.
38 T 7311 shpg, wt. 1 lb.

## NEW! SIMPSON 208 AC-DC VOM

- AC Current Ranges Buitt-In
- Illuminated Scales
- Combined Current-Voltage Measurements
- Light-Up Continuity Checker
ony $72^{50}$
No Money Down With Test Leads


Ideal hand-size VOM for quick, accurate checks of OC Volts, AC Volts, and continuity. Features self-shlelding annular pivot and jeweled movement, buflt-in AC current ranges, and a light-up continulty indicator. Has separate inputs for voltage and current allowing comblned measurement with two sets of leads. Checks DC Volts: $0-0.6-3-12-60-300-600$; AC Volts: $0-12-60-300-600$; DC Ma: 0-0.6-6-30-120-600; DC Amp: 0-3; AC Ma: 0-0.6-6-30-120-600; AC Amps: 0-3; Resistance: Rxl ( 128 ohm center) Rxloo. Accuracy DC: $\pm 1.5 \%$; $A C: \pm 2.5 \%$. Sensitivity: $10 \%$ ohm $/ V$. Made in West Germany. Size: $6 \times 3 \% / 8 \times 1 \mathrm{H}_{0}{ }^{\circ}$. Shog. wt., $11 / 2 \mathrm{lbs}$.
30 I 4880 $\$ 5$ Monthly

# High Accuracy Simpson AC/DC VOMS 

## Model 260-5 $62^{20}$

No Money Down

Model 270-3 $75^{00}$

No Money Down

Model 260-5P $94^{00}$

No Money Down

## MODEL 260-5P BURNOUT PROOF AC/DC VOM

- Almost 100\% Built In Meter and Tester Protection
- 20,000 Ohms/VDC, 5000 Ohms/VAC Sensitivity
- Accuracy: $\pm 2 \%$ DC, $\pm 3 \%$ AC
- Self-Shielded Movement. Springback Jewels

Provioes almost $100 \%$ protection, virutally eliminating burned out meters, resistors and bent pointers. Reset button pops out to indicate owerload. Ideal for use with unfamillar equipment. 20,000 ohms/volt $0 C$ sensitivity, 5000 ohms/V. AC, Ranges: $D C$ miv, $0-250$, AC and DC volts, 0-2.5-10-50-250-1000-5000; AF output V., 0-2.5-10-50-250; DC' us, $0-50$; DC' ma, $0.1-10 \cdot 100-500 ; D C$ amps. $0.10 ; D 8,-20$ to +50 in 4 ranges: resistance, 0.20 megs in 3 ranges. Accuracy, $D C$ volts $\pm 2 \%$ F.S.; AC volts, $\pm 3 \%$ f.S. Housed In bakellte case, $51 / 4 \times 7 \times 34{ }^{\prime \prime}$. With battery and test leads. Shpg. wt.. 6 ibs. 38 T $4847 \$ 5$ Monthly $\qquad$ Net 94.00 MODEL $260-5 P$ Mr. Same as above, but with "roll top" sasety case. Shpg. wt. 9 ibs. 38 T $4404 \$ 5$ Monthly
as above, but with roil top sarely case. Shpg. Wh. MODEL 260-5-Famous selling, low-cost, highly rellable AC/OC VOM-same deluxe features as 260-5P but without overload protection. With leads and battery. Shpg. wt. 5 lbs.
31 t 4 ess $\$ 5$ monthly $\qquad$ Net 62.00
MOOEL 260-5RT-Same as Model $260-5$ but with roll top csse. Shpg. wt., 9 ibs. $354857 \$ 5$ monthly

Net 6000 MODEL 260-5M-Same as Model $260-5$ but with mirrored scale. Shpg. wt., 5 lbs. \$1 4860 \$5 monthly $\qquad$ lbs. 64.00
Net MOOEL $260-5$ MRT-Same as Model 260-5RT but with mirrored scale. Shpg. wt., 5 lbs. 30 7 485 $\$ 5$ monthly $\qquad$ Net 70.00 MODEL 270-3-Same as Model $260-5$ but with mirror sale, knife edge pointer, self shlelded annular meter. Higher accuracy $\pm 1.25 \%$ DC, $\pm 3 \% \mathrm{AC}$. Olmensions: $54 / 4 \times 7 x$ $310^{\circ}$. Shpg. wt., 5 los.
$3154004 \$ 5$ Monthly $\qquad$ Net 75.00 MODEL 270-32T-Same as Model $270-3$ but with roll top case. Shpg wt., 5 lbs.
s8 $4805 \$ 5$ Monthly s8 $4805 \$ 5$ Monthly Net 11.00


## ACCESSORIES FOR 260 AND 270 SERIES

SIMPSON 92 PAGE BO0R " 1001 " USES OF THE 260 SERIES VOM. A MUST FOR EVERY STUDENT, TECHNICIAN, AND ENGINEER. WT. 1 LB. 38 T 4851

MEW! 00532 AMP-CLAMP PLUC-IN ADAPTER. FOR AC Ampere Measure ments, up to 250 amperes. Shpg. wt., 1 lb .
34 T $465 \$ 5$ Monthly

ADO-A.TESTERS FOR 260 and 270 SERIES AC/DC OOMS
Add unlimited versatility to all Simpson 260 or 270 Series AC/DC VOMS made since 1947 except ROLL TOP models. Turns these VOM'S into 9 different type testers. Shpe. wh., 2 lbs.

| STOCKNO. | MODEL | TYPE | NET |
| :---: | :---: | :---: | :---: |
| 38 \$4810 | 650 | Transistor Tester | 41.00 |
| 381411 | 651 | DC VTVM | 48.00 |
| 30 T 4812 | 652 | Temp. Tester | 46.00 |
| 3814813 | 653 | Ac Ammeter | 28.00 |
| 34 I 4114 | 654 | Audio Wattmeter | 30.00 |
| 38 P418 | 661 | DC Ammeter | 30.00 |

## MODEL 312 VTVM

- Large Easy To Read 7 Scale - Input Resistance 16 Megohms

Wide-range VTVM for lab or shop use. Large easy-to-read seven.Inch scale designed for accurate testing of today's solid state circultry. Features $1 / 2$ voit $O C$ range and 16 megohm input resistance for minimum circult loading. Offers $3 \%$ accuracy on $A C$ and DC. Movale handle also serves as a stand for tester. Ranges: $O C$ volts, $0-0.5-1.5-5$. 15-50-150-500-1500. AC volts, (rms) 0-1.5-15-50-150-500-1500. AC $p-p$ volts $0-4-14-40-140-400-1400-4000$. Frequency response $\pm 3 \%$ from 15 Hz to 3 MHz on all AC voltage ranges through 150 volts. size: $74 / 4 \times 61 / 4 \times 3 \%-$. For $105-125 v 50 / 60 \mathrm{~Hz} \mathrm{AC}$. With AC ohms/ DC probe. shpg. wt., 1 ibs.
3) f 4 NS $\$ 5$ Monthiy

Net 93.00

Combines VOM convenience with VIVM features 11 megohm ingut impedance on DC; 10 megohm input impedance on AC. Dperates over 300 hours on a 9 -volt transistor radio type battery. Switch checks battery voltage instantly. Bulit for rugged use with a shock. proof, overload protected, self-shielded movement. Frequency and temperature compensated for maximum accuracy. Ranges: DC \& AC Volts, $0-0.3,1,3,10,30,100,300,1000 \pm 3 \%$. OC Current, 0-0.1. 1. $10,100,1000 \mathrm{ma}$. Response: 20 to $100 \mathrm{kHz}, \pm 0.5 \mathrm{db}$ Resistance: $R \times 1, R \times 10$, R×100, $R \times 1 \mathrm{~K}, R \times 10 \mathrm{~K}, \mathrm{R} \times 100 \mathrm{~K}, R \times 1 \mathrm{M}_{1} \pm 3^{\circ}$ are. Size: $7 \% / 4 \times$ $63 \times x 33^{\prime \prime}$. Shpg. wt., 7 los. 38 T $4866 \$ 5$ Monthiy

Net 100.00

## Test Equipment for Servicemen



- For Checking Every Stage In A Color or Black and White TV Set
$329^{95}$
no Money Down
- Complete TV Signal Generating Source-Directly Injects RF, IF, Video, or Audio Signals


## - Flying Spot Scanner For Test Pattern

A convenient TV signal-generating source with easy, direct point-to-point signal injection. Injects RF, If video, intermittent or audio signals. Pinpoints the trouble directly on TV screen. Flying Spot Scanner reproduces standard test pattern. Provides FM modulated 4.5 MHz sound channel; composite sync signals adjustable in amplitude up to 50 volts; sweeps cireuit driving pulses to chech complete output circuit. Generates adjustable burst and crystal-controlled color signals; white dot, crossshatch, color-bar patterns and rainbow color display for convergence adjustments, sync, hue control and demod. ulator alignment. 400 cps tone signal. May be maduiated from external source. AGC keying pulse. Transformer test for V.O., HO. transformers and yokes. High voltage indicator pinpoints horiz. output transformer troubles. Switchtype channel tuner. With signal pattern slides. For $110.120 \mathrm{~V}, 60 \mathrm{~Hz} \mathrm{AC}$. $17 \times 10 \mathrm{~L} / 4 \times 10^{\prime \prime}$. Shpg. Wt. 29 lbs . 38 I 1709wx $\$ 17$ Monthly

Model 1242
99 ${ }^{95}$
No Money Down

$1 \begin{gathered}\text { Model } 1245 \\ 3495\end{gathered}$
No Money Down

## TV PORTABLE COLOR GENERATORS

MODEL 1242 SOLIO STATE COLOR GENERATOR. Produces station quality waveforms for quick easy convergence and color adjustments. High stability over wide temperature ranges. Features dot. cross. hatch, horiz, and vert. lines and color patterns on channels 3 and 4. Over $5000 \mu \mathrm{~V}$ RF output, built-in gun killer with Miniclips for easy connection. For $105-125^{\prime} \mathrm{VAC}, 60 \mathrm{~Hz}$. Size: $2 \times 6 \% \times 97 / 4^{\circ}$. Shpg. wt., 3 . b s.
38 T 1721 \$5 Monthly
Net 99.95
OELUXE MOOEL 1245 COLOR GENERATOR. A COMpletely transistorized portable color generator deslgned for quick, easy convergence and color adjustment. Small enough to carry in your tube caddy, it provides actual station-type sync pulse to accurately set the color hiller threshold control. Features instant warmup; RF output on channels 3 , 4 , or 5 , without removing cabinet. Provides crystal. controlled rainbow color display, dot patiern, crosshatch, horizontal and vertical lines. Small-step crystal controlled count circuit gives greater reliability and stabillty of color, dots and lines. Dots are smallest possible with adjustable brightness. Horizontal lines are just one scanning line thich. Includes chroma level control for sync trouble shooting. With RF cable. For $105-125 \mathrm{v} ., 60 \mathrm{~Hz} \mathrm{AC}$, Size: $27 / \mathrm{wx} 81 / 2 \times 87 / \mathrm{s}^{\circ}$. Shpg. wt., 4 lbs . 38 T 1716 WX $\$ 7.50$ Monthiy

Net 134.95


## MODEL 970 TRANSISTOR CIRCUIT ANALYST

- For FM or AM, Auto, Home and Portable Radios, Transistorized TV, and Audio Amplifiers. - Injects the AC or DC Test Signal For Easy Diagnosis Of Both Transistor And Circuit Failure

In-circuit transistor tester permits quick determination of the operation of any stage of amplification, Out-of-circuit. test-reads Beta and tests for leakage current. Built-in power supply with 5 amp output and low ripple. Output voltage 1.5 to 15 volts in eight 1.5 volt steps. Fused input and output. Bias supply with continuously variable output 1.5 to 15 volts. AM/FM generator outputs with vernler tuning: 250 MHz to $2000 \mathrm{MHz}_{\mathrm{AM}} 10 \mathrm{MHz}$ to 11.4 MHz AM or $\mathrm{FM} ; 88$ to 108 MHz FM. Fixed audio output at 400 Hz . For $105-125$ VAC, $50 / 60 \mathrm{~Hz}$. Size: $151 / 2 \times 81 / 2 \times 9^{\prime \prime}$. Shpg. wt., 24 lbs.
38 $\dagger$ 1717wx $\$ 10$ Monthly
Net 199.95

## MODEL 161 DYNAMIC TRANSISTOR ANALYST

- Checks All Transistors In or Out of Circuit For AC Beta
- Huge $7^{\prime \prime}$ Meter With Easy To Read Expanded Scale Mirrored To Eliminate Parallax
- Checks Diodes And Rectifiers This rugged, compact analyst checks all transistor types in-circuit for AC Beta. Chechs transistors, diodes. and rectifiers out of circuit for AC Beta and Icbo leakage. Determines PNP or NPN transistors with the flick of a switch. A special circuit is incorporated within the unit to protect trenstsiors and diodes from damage, even If connected to the analyst incorrectly. Has big $7^{\prime \prime}$ meter. Ranges: Beta 2 to 100 and 10 to 500 , icbo (Leakage) o to 5000 microamps. With test leads. For 117 volts
 51 los .
38 H 1722 s5 Monthiy
Net 89.95

High quality! Accurate $51 / 2^{\prime \prime}$ meter; offering 61 ranges. 8 AC Voltage Ranges: $0.1 .2-3$. $12-60-300-600-1200-6000 \mathrm{~V}$. 9 OC Voltaze Ranges: $0-0.3-1.2 \cdot 3-12-60 \cdot 300-600-1200$ and $6000 \mathrm{~V}, 7 \mathrm{OC}$ Current Ranges: $0-60-300$ microamps; 9-1.2-12-120-600 ma: 0-12 amps. s Resistance Ranges: $\mathbf{0 . 2 0 0 - 2 0 0 0 - 2 0 0 , 0 0 0}$ ohms; $0-2-20$ megohms. dt Ranges: from - 20 to +77 ob. Features a 50 mic roamp meter; Low resistance range: 2 ohms center scale ( $\mathrm{R} \times 1 / 10$ ); Low voltage range: 0.3 volts full scale $D C, 1.2$ volts full scale $A C$. Fre. quency Response $A C$ and ob ranges: flat from 15 Hz to $100 \mathrm{kc} \pm 1 \mathrm{db}$. Wt., 4 lbs . 38 T 1719 \$5 monthly .................Net 59.50


## MODEL 606 "DYNA-QUICK" TUBE TESTER

$79^{\text {Only }}$

- Tests Nuvistors,

No Money Down 10-pin tubes and 12-pin Compactrons Voltage Regulators, Thyratrons
Lightweight, fast emission type tube tester. In addition to all standard $I V$ and radio tube types, the model 606 tests Nuvistors, the new 10 -pin tubes and 12 -pin compact. rons. The Model 606 also tests voltage regulators, thyratrons. many industrial types and European Hi-Fi tubes. Checks for all shorts, grid emission, leakage and gas and tube quality under dynamic load conditions. Tests each section of multi-section tubes separately. Provides exclusive adjustable grid emission test. sensitivity to over 100 megohms. Phosphor-bronze socket contacts. Complete tube listing in handy reference index. Extremely compact in handsome. sturdy leatherette-covered carrying case. size $81 / 2 \times 11 \times 47 \mathrm{~m}^{\prime \prime}$. Shpg. wt. 8 lbs . 38 T $1714 \$ 5$ Monthiy

Net 79.95


## MODEL 465 CRT TESTER REJUVENATOR

- For Color or Black and White CRT's
- Rejuvenates Low Emission Picture Tubes
- Repairs CRT While It's In The Set

Valuable time saver! Compact unit checks and rejuvenates virtually all CRT's while still in the TV set. The Model 465 includes many important advances. Features: continuously variable heater voltare control: automatically timed rejuvenation voltare avoids accidental damage to tubes. The voltage to Grid 1 and Grid 2 are also con. tinuously adjustable. Has scuff-free. shockproof vinyl case, book type tube chart pilot light and large easy to read meter. $111 / 2 \mathrm{x}$ $101 / 2 \times 41 / 2^{\prime \prime}$. For: 117 volts $50 / 60 \mathrm{~Hz}$ AC. Wt. . 6 tbs., 130 . 38 $\top 1718$ w $\$ 5$ Monthly

Net 89.95

MODEL 707 "DYNA-QUICK" MUTUAL CONDUCTANCE TESTER

## Only <br> 18995

## No Money Down

- Tests All New And Old Type Tubes
- Virtually Obsolescent Proof
The deluse "707" measures true dynamic mutual conductance in seconds. Tests all new type tubes Including nuvistors, $10-\mathrm{p}$ in types, 12-pin compactrons, hybrios, Eurooean types, voltage regulators. thyratrons efc. and provides for future new sockets. Checks for all shorts, grid emission, leakage and gas. Large $41 / 2^{\prime \prime}$ meter with easy to-read "Replace-Good" scale for quick life tests. Checks each section of multi-grid tubes separately. Lists commonly used tube types on panel with complete listing of cover reference chart. Includes 7. 9, and 10-pin ube straighteners and handsome leathere.te-covered carrying case. 117 V $50 / 60 \mathrm{~Hz}$ AC. Size: $16 \% \times 153 / 4 \times 57 / \mathrm{B}^{2}$. Shps. wt., $15 \frac{1}{2}$ lbs.


## 38 「 $1715 \mathrm{wx} \$ 10$ Monthly

Net 189.95

## MODEL 1450 "DIAGNOSTIC" OSCILLOSCOPE WITH INTERMITTENT ANALYZER

27995<br>No Money Down<br>- Features Automatic Intermittent Signal Tracing Without Your Presence

## Features a unique time saving intermittent

 analyzer that automatically gives and holds a visual indication when an intermittent occurs. You can be out on a service call while this scope is working for you. Easily reproduces 3.58 mc burst signal in color TV receiver. Has horizontal/vertical push-pull amplification. Response: vertical, $\pm 3 \mathrm{db}$, 1 cps to 4.5 mc ; horizontal. $\pm 3 \mathrm{db}$. cps to 400 hc . Sensitivity, vertical. 50 mv $\mathrm{rms} /$ inch; horizontal, 0.6 volts rms/inch Sweep: 5 cps to 500 kc . Synchronization: automatic. + and -INT., 60 cps . EKT. $1714 \mathrm{Dx} 13 \geqslant \mathrm{~Hz} 8 \%{ }^{\prime}$ 'W. For $110-120 \mathrm{~V}$., 60 Hz AC. Shpg. wt., 27 ibs. 38 T 1723 wx $\$ 13.50$ Monthly ...... Net 279.95
## A AmPROBE

"SNAP-AROUND" CLAMP-ON AC VOLT AMMETERS WITH ROTARY SCALE


RS-1-2-3

JUNIORS

Amprobe meters measure $A C$ current and $A C$ voltage without breaking the circuit. To meas are current, snap the trigger-operated jaws around single conductor. Meter instantly indicates correct reading. Use furnished safety leads for voltage measurements. Rotary scale shows only scale in use. Accurate to $\pm 3 \%$. Designed for 60 cycle circuits. Have impart-proof cases, unbreakable plastic magnifying meter window, self-shielded meter movement. Complete with top-grain cowhide teather carrying case and voltage test leads. Shpg. wt., 2 lbs.

AMPROBE RS-1
This meter features six ranges: AC AMPS: 0-6-15-40-100, AC. Volts $0-150-600$. Measures
 length $21 / 4^{\prime \prime}$. Includes genuine top-grain cowhide leather case.
38 T 1301 \$5 Monthly
Net 44.85
AMPROBE RS-2
Same as model RS-1 except has $0-150-300$ volts AC range.
38 Y 1302 \$5 Monthly

## AMPROBE OELUXE RS-3

Extra versatile probe also includes $0-2000$ ohm range, 25 ohms midscale. AC Volts ranges $0-150-300 \cdot 600$, AC Amps $0-6-15-40 \cdot 100-300$. Includes case, ohmmeter, battery attachment and voltmeter leads.
38 -1303 $\$ 5$ Monthly
Net 58.50

## AMPROBE JUNIORS

Lighter duty, smaller versions of standard Amprobes. Will measure up to $1 / 2^{\prime \prime}$ dia. conduc. tors $4 \% / /^{\prime \prime}$ long, $1 \%$ " thich, $^{21 / 2^{\prime \prime}}$ wide. $1.8^{\prime \prime}$ long scale. Rugged construction with ribbed. non slip case. For 60 cycle AC. Shpg. wit., 1 lb .

| STOCK NO. | MODEL | AC AMPS | AC VOLTS | NET PRICE |
| :---: | :---: | :---: | :---: | :---: |
| $33^{\circ}-1305$ | Y25 | 0.25 | 0-125-250 | 24.50 |
| 38-1306 | Y 50 | 0.50 | 0-125-250 | 24.50 |
| 38 T1308 | Y525 | $0-25$ | 0-150-600 | 24.50 |
| 38 T 1309 | Y550 | 0-50 | 0.150-600 | 24.50 |
| 38 T 1310 | Y 500 | 0.100 | 0.150-600 | 24.50 |

38【1312 Model P1-Carrying Case for Amprobe Juniors. Wt.. 1/2 lb.
Net 3,25

# $s$ TUBE TESTER 



## No Money Down

Tests every radio and TV tube (over 3000 in all), including forelgn, five star, auto radio tubes plus new frame grid, compactrons, magnovals, novars, nuvistors, 10 -pin and new 10 -pin Amperex tubes. Checks for grid leakage as high as 100 megohms. Checks for cathode current at operating levels and shorts or leakage up to 150,000 ohms between all elements. For 117VAC, 60 Hz . size: $10 \times 9 \times 31 / 2^{\prime \prime}$. 38 T 5320 Shpg. wt., 9 lbs. $\qquad$ Net 79.50

## DELUXE Model CG141 COLOR GENERATOR



No Money Down

- Temperature Controlled Circuits - 2 New Color Patterns

Deluxe, inghtweight color senerator provides all standard patterns. Temperature contral maintains a thermostatically controlled temperature above 80 decrees inside the case. Complete stability to $140^{\circ} \mathrm{F}$. Two NEW patterns: a single dot and a single cross that can be centered or moved to any spot on the screen. simplifying both static and dynamic convergence. Snap tuning for channels 2 thru 6. An interlace control to stop dot bounce and form a perfectly round dot. New analyzing features; increased output of composite chroma ( $\pm 7 \mathrm{VPP}$ ), Sync signals (-5VPP) for new TV sels. High quality shock mounted plate glass mirror in hid for con venient set-up and comvergence in the home. For 110V., 60 Hz AC. Size: $10 \times 9 \times 3 \frac{1}{3}{ }^{\prime \prime}$. Shpg. wt., 9 lbs.
30 15318wx $\$ 8$ Monthly $\qquad$ Net 149.95

## OTMER SEMCORE TEST ECUIPMENT

Model SS137 Sweep Circult Analyzer. Shps. wt. 12 lbs.
$3075315 \$ 5$ monthly $\qquad$ Net 94.50 Model TR115 Transistor-Diode Checker. Shpg. wi. 3 lbs. $\qquad$ Net 24.35

## Professional Test Instruments ony

## - Mirrored Scale

Features all the advantages of a VTVM with the portability of a VOM Ulira high input impedence, completely protected circuitry and battery operated. Meter is diode protected and isolated from input 15 mezohm input resistance on DC and 10 megohm input impedance on AC allows accurate voltage measurements with minimum load Zero center scale of 0.5 V ., is ideal for checking transistors. DC Volts: 0 to $1,3,10,30,100,300$ and 1000 full scate. AC volts: (Rms) 0 to $1,3,10,30,100,300$ and 1000 full scale; (Peak-to-Peak) $0-2.8,8.4,28,84,280,840$ and 2800 full scale. Frequency Response: 10 Hz to 10 MHz , ohmeter: 0 to $1000 ; 10 \mathrm{~K}, 100 \mathrm{~K}$; 10 and 1000 megohms with accuracy $\pm 3 \%$ linear arc. DC Current Measurements 0 to 100 microamps, $1 \mathrm{Ma}, 10 \mathrm{Ma}$ and 1 amp with accuracy $\pm 3 \%$ full scale. Size: $71 / 2 \times 51 / 4 \times 3 \mathrm{k} \mathbf{0}^{*}$. Shpg. wt., 4 lbs.
34 T 5321 \$5 Monthly
Net 69.95
35 T 5322 (L39A19)Hi-Volt Probe. Wt., $1 / 2$ las. $\qquad$ Net 9.95

## NFW! COMPACT TR15A IN-CIRCUIT TRANSISTOR TESTER

## Only 5450 <br> - Measures AC Gain (Beta) and Leakage (Icbo) <br> No Money Down <br> - Easy-to-Read $41 / 2{ }^{1 /}$ Meter

Measures the two most important parameters of a transistor, AC gain (Beta) and leakage (Icbo). Checks all transistors in or out of circuit with no set up book required. Just refer to the handy transistor checking guide on the back of the instrument. The IR15A also checks diodes in or out of circuit. All tests have complete protection against accidental damage to the transistor, circuit, or the TR15A. Al steel, vinyl clad case, chrome panel, and weighs only $31 / 2$ lbs. Size: $5 \times 7$ \% $\times 3 \%$ 。"
38 广 $5323 \$ 5$ Monthly
Net 84.50

## DELUXE Model TR139 IN-CIRCUIT TRANSISTOR TESTER



- Checks All Transistors, Diodes, and Rectifiers In Or Out Of Circuit For AC Beta, and Icbo Leakage.
- Large Easy-To-Read 6" Meter.

A fast. and accurate method of checking all types of transistors, diodes, and rectifiers. Eliminates the need of removing these components from PC board by providing an actual in-circult check. Gives true AC beta readings, along with measuring the ratio of AC signal on the base of the transistor to that obtained on the collector. Leakage current (Icbo) is read directly on the meter in mieroamps. Ranges: Beta. 2 to infinity; Icbo, 0 to 5000 microamps. Zener diode regulated power supply. For 115 volts AC. 60
Hz . Size; $9^{\circ} \times 71 / 2{ }^{\prime \prime} \times 6^{\prime \prime}$. Shpg. wt., 9 ths
$89^{95}$
No Money
Down

34 T $5317 \$ 5$ monthly
Net 89.55

- 10 RCA Type Color Patterns, NTSC Phased Colors - Compact, Solid State, Battery Operated


## $89^{95}$,

## No Money Down

Portable, easy to use, a mighty midget, yet a giant in performance. All the patterns... crosshatch, individual vertical and horizontal Hines, and adjustable white dots at the flick of a switch. 14 horizontal and 10 vertical lines, Interlace control stops dot bounce. Uses standard RCA licensed patterns, Quick warm up time. Solid State design with batteries provides patterns instantly. Rugged all-steel construction with scuff-resistant

Net 5.53

vinyl finish. Unusually compact for easy handing on the job. (slightly larger than a cigar box). Low battery replacement time. Uses 8 " $C$ " cells not supplied. Size: $10 \times$ $34 / 4 \times 542^{\prime \prime}$, Shpg. wt., 8 lbs .
38 T 5316 \$5 monthly
Net 89.95
95 I 6257 "C" Batt. (8 req.) Net ea. . 14

MINIATURE FM \& AM TUNING METERS $2^{50}$ - Galvanometer Movement

- $50 \mu \mathrm{~A}$ Sensitivity
- Front Panel Area Only 7/8x3/4

Can be easily installed on any funer. The remarkable sensitivity enables you to fune in stations with surprising ease. Galvanometer movement of the indicator assures complete accuracy. Insulation resistance befween case and terminals: 20 megohms/ 500 V . Solder lugs are provided at the back. Plastic case cover. Complete with instruc. tion sheets. Shpg. wt., 402 s.

## FM TUNING METER

FM TUNING METER. Can be connected between radio detector and AF amplifier. The indicator will rest in the center when station is tuned in. Current sensitivity $\ddagger 50$ microamps DC. Internal resistance about 430 ohms. Imported.
99 T 5026
Net 2.50

## AM TUNING MEYER

AM TUNING METER. Can be connected Into the second If stage of AM radio. Graduated scale with maximum deflection of pointer mdicating station being tuned in. Imported. 99 T 5025

Net 2.50

## MINIATURE LAFAYETTE LEVEL METER

- Highly Sensitive
- Front Panel Area Only $7 / 8 \mathrm{~W} x^{3} / 10{ }^{-1 H}$ - Rubber Cushion Mount


A minlature clear plastic front level meter which will indicate relative audio levels for tape recorders, FM sets or transistorized audio equipment. Actual size of meter is "K."OxIWxI"L. Internal resistance-260 ohms. Full scale 500 microamps. Shpg. wt. 1 oz. Imported.
99 T 5036
Net 1.95

## ULTRA-MINIATURE TUNING

 AND BATTERY METER

ONEY Ko" IN DIA.
$3 / 4^{\prime \prime}$ IN LENGTH
Ultra-miniature meter can be installed easily in a $\% h^{*}$ diameter hole. Current sensitivity: 200 Ma. Internal resistance: $\mathbf{3 2 0}$ ohms $\pm 10 \%$. Imported. Shpg. wt., 3 oz.
99 T 5035
Net 1.95

## METER RECTIFIER only .45



A full wave, economical meter rectifier of exceptlonally linear characteristics. Universal efectrical replacement for all multi. meters, such as Lafayette's miniature V.O.m.'s. Single screw mount. Long ter. minals. 5 oz. Imported
99 T 6207

## SQUARE AND MINIATURE PANEL METERS WITH HIGH QUALITY D'ARSONVAL MOVEMENTS


(B) $31 / \times 11 / 0 \times 1 \%{ }^{\circ}$
(C) $11 / 6 \times 1 \frac{1}{2} \times 11 / 4^{\prime \prime}$

- Jewelled Bearings (B) $3 \% \times$ Accuracy $2 \%$ Full Scale High quatity, precision built meters with better than $2 \%$ of full scale accuracy. All meters have 4 threaded mounting studs in corners, zero adjust screw and clear plastic fronts except (E) which has black bakellte. Terminat polarity on OC modeis is identified. (A) standard 390 C ohm " $B$ " scale VU indicator. Includes full wave bridge rectifier, built-in bulb. Ammeters are highty damped, use linear calibrations. Oimensions: (A), (B), - $34{ }^{2}{ }^{*}$ square, $2 K_{0} \times 17^{\prime \prime}$ dlat faces, 1"Ko" overall depth, $1 \mathrm{~K}_{4}$ " behind panel Including ferminals. Require 2K." diameter mounting hole. (C) minlature meters with silvered dials, black pointers $1 K_{0}{ }^{\prime \prime}$ sqmare fronts, $112^{\prime \prime}$ overall front-to-back, with $11 / 4^{\prime \prime}$ behind panel including $V_{4^{\prime \prime}}$ ter. minals. Require $14 / 2^{\prime \prime}$ diameter round hole in panel. $1 \% /^{\prime \prime}$ dial face. Supplied with mounting screws. mported. Shpg. wt., 1 lb .

"Standsrd 3900 ohm " $B$ " scale volume indicator, $0.100 \%$ modulation scale, -20 to +3 WU ale.


## MINIATURE LAFAYETTE ILLUMMNATED VU METER

- D'Arsonval Movements
- Jewelled Bearings

Illuminated dial for easy, wide-angle readability at all times. Volume level indicator, calibrated in standard -20 to +3 VU and $0-100 \%$ ranges. Uses precision carbon film multiplier resistor and lull wave rectifier. Damped in accordance with standard VU meter requirements. Reference level 1 mw in 600 ohm line. 3,900 ohms internal resistance. " 0 " VU is 1.228 volts sine wave AC acros; meter connected to 600 ohm source with 600 chm load. May be used with T-pad attenuator. Sire: $1 K_{0} \times 15 /{ }^{\prime \prime}$ sq. face, $11 / 4^{\prime \prime}$ overall behind panel Imported. Shpg. wt., 801.
99 T 5024
Net 1.95

## Accuracy 2\% of Full Scale

Bakelite Case


## LAFAYETTE EDGE-WISE PANEL METERS



- Precision D'Arsonval Movements
- $2 \%$ Full Scale Accuracy


Has precision D'Arsonval meter with $2 \%$ or better full scale accuracy. Overall depth is $31 / 2^{\prime \prime}$ behind panet including terminals. Has stud-type solder terminals and zero adjustment screw. Shpg. wt., $3 / 4 \mathrm{lbs}$. Imported.

VU METER $31 /{ }^{* \prime \prime}$ WIDTH (A)
VU METER-Calibrated and damped in accordance with standard VU mefer practice Upper scale read - 20 to +3 VU . Lower scale reads $0.100 \%$ modulation. Accurate to $\pm 0.5 \mathrm{VU}$ from $30-15,000 \mathrm{cps}$. Size: $3 \mathrm{Y} / \mathrm{Wx} \mathrm{INH}^{\prime \prime}$. Imported.
99 T 5033
Net 5.95
BALANCE \& TUNING METER 27\% WIDTH (B)
Use these precision moving coil OC Ammeter meter movements as stereo balance indi. caters or as funing Indicators for FM tuners. Pointer at center of the scale indicates zero or null position. Current Sensitivity: $\pm 100 \mu \mathrm{a}$. Complete with installation schematics. 99 T 5034 Shpg. $w t ., 1 \mathrm{ID}$. Imported. Size: $2 \%$ W×1\% $\mathrm{K}_{4} \mathrm{Dx} 7 \mathrm{~s} " \mathrm{H}$.

Net 2.50


## METER SPECIFICATIONS

ACCuRACY: Standard $\pm 2 \%$ on $A C$ and $D C$ POINTERS: Spade pointer is standard on all Phenolic series panel instruments. Lance type pointer is standard on G-series panel instruments.
D.C. INSTRUMENTS are the O'Arsonval type with linear scales, extra-light moving coll; rugged construction; Bar-Ring Magnet and 1 plece die-cast frames. A.C. Instruments are the moving Iron vane type, and have light moving parts. All have selected jewel bearings, highly polished and specially treated pivots; white enameled metal dials are standardi molded zero adjusters. and ceramic pointer stops.


METER DIMENSIONS
Round Flush Mounting

| Hod. | Flange Bo | 3ody Dia. | *Depth | Scate |
| :---: | :---: | :---: | :---: | :---: |
| 221-7 | $2^{\prime \prime} \mathrm{K}_{6}$ " | 2\%7" | 15** | 1.76* |
| 231.5 | $2^{\prime} \mathrm{K}_{4}$ | 27 | 1180 | $1.58{ }^{\prime \prime}$ |
| 321-I | $31 / 2$ | 23/4" | 1\%\% | 2.49 ${ }^{\prime \prime}$ |
| 331.5 | 31/2" | 274" | $1 \mathrm{~K}_{6}{ }^{\prime \prime}$ | 2.22' |
| Rectangylar Flush mounting |  |  |  |  |
| Mod. | Flange Bo | ody Dia. | ${ }^{-}$Depth | Scale |
| 227.1 | 23/0x23\% | 2\% $3_{1}{ }^{\prime \prime}$ | 11\%" | $1.76{ }^{\prime \prime}$ |
| 237.5 | 23\% $\times 2$ \% ${ }^{\prime \prime}$ | 27\%" | 17\%" | $1.58{ }^{\prime \prime}$ |
| 327.1 | $3 \times 3{ }^{\circ}$ | 234" | 1190 | $2.49^{\circ}$ |
| 320-6 | $31 / 2 \times 3^{\prime \prime}$ | 274" | 27\% | $3.16{ }^{\prime \prime}$ |
| 330-6 | 31/2×3" | 2\%" | 27/0" | $2.68{ }^{\prime \prime}$ |
| 337.5 | $3 \times 3$ " | 23/4" | 17\%" | 2.22' |
| 420 |  | 234" | 159" | $4.14^{\prime \prime}$ |
| $420-6$ | $4.55 \times 4.068^{\prime \prime}$ | " $234{ }^{\prime \prime}$ | 27/8" | $4.03{ }^{\prime \prime}$ |
| 430 | 45\%x4\% ${ }^{\text {\% }}$ | 2\% ${ }^{10}$ | 1590 | $3.6{ }^{\prime \prime}$ |
| 430-6 | $4.55 \times 4.068^{\prime \prime}$ | " $23 / 4{ }^{\prime \prime}$ | 27/8 ${ }^{\prime \prime}$ | 3.43" |

- overall depth including terminals

DC MICROAMMETERS

| Mance | $\begin{gathered} 221-7 \\ 21 / 2^{\prime \prime} \text { 月nd. } \end{gathered}$ | $\begin{gathered} 227-7 \\ 2 y_{2}^{\prime \prime} \text { Rect. } \end{gathered}$ | $\begin{aligned} & \text { I-24 } \\ & \text { Each } \end{aligned}$ | $\begin{gathered} 321-1 \\ 31 / 2^{\prime \prime} \text { Rnd. } \end{gathered}$ | $\begin{gathered} 320-6 \\ 3 V_{2}^{\prime \prime \prime} \text { Rect. } \end{gathered}$ | $\begin{aligned} & 1-24 \\ & \text { Each } \end{aligned}$ | $\begin{gathered} 420 \\ 41 / 2^{\prime \prime} \text { Rect. } \end{gathered}$ | $420-5$ | $\begin{aligned} & 1-24 \\ & E a c h \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $0-50 \dagger$ | 3817331 | 38 T 7332 | 21.50 | 3817333 | 38 T 7773 | 22.50 | 38 T 7335 | 38 T 7780 | 23.50 |
| $0.100 t$ | 3817336 | 3817337 | 20.00 | 3817338 | 38 I7774 | 21.00 | 3817340 | 3817781 | 22.00 |
| $0-200 t$ | 3817341 | 3817342 | 18.50 | 3817343 | 38 T 7775 | 19.50 | 3817345 | 3817782 | 20.50 |
| 0-500 $\dagger$ | 3877346 | 3817347 | 17.50 | 3817348 | 3817776 | 18.50 | 38 T 7350 | 38 T7783 | 19.50 |
| $50-0.50^{*}$ | 3877351 | 3877352 | 21.50 | 38 T7353 | 3817777 | 22.50 | 38 T 7355 | 3817784 | 23.50 |
| $100-0-100$ | 3877356 | 3817357 | 20.50 | 38 T 7358 | 3817778 | 21.50 | 3817360 | 3817785 | 22.50 |
| 500-0-500* | 3817361 | 3817362 | 19.50 | 3817363 | 38 17779 | 20.50 | 3877365 | 3817786 | 21.50 |


| Range | $\begin{gathered} 221-7 \\ 21 / 2^{\prime \prime} \text { Rnd. } \end{gathered}$ | $\begin{gathered} 227 \cdot \mathrm{~T}_{1} \\ 21^{\prime \prime} \text { Rect. } \end{gathered}$ | $\begin{aligned} & 1.24 \\ & \text { Each } \end{aligned}$ | $\begin{gathered} 321-\mathrm{T} \\ 31 / 2^{\prime \prime} \text { Rnd. } \end{gathered}$ | $\begin{gathered} 320-5 \\ 31 / 2^{\prime \prime} \text { Rect. } \end{gathered}$ | $\begin{aligned} & 1-24 \\ & \text { Each } \end{aligned}$ | $\begin{gathered} 420 \\ 41 / 2^{"} \text { Hect. } \end{gathered}$ | $\begin{gathered} 420-c \\ 41 / 2^{*} \text { Rect. } \end{gathered}$ | $\begin{aligned} & 1.24 \\ & \text { fach } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0-1 | 38 T 7366 | 3817367 | 16.50 | 36 T 7368 | 3817797 | 17.50 | 3817370 | 3817809 | 18,50 |
| 0-1.5 | 3817371 | 3817372 | 16.50 | 38 T 7373 | 3817798 | 17.50 | 3817375 | 3817810 | 18.50 |
| 0.5 | 3817381 | 3817382 | 16.50 | $38 T 7383$ | 3877799 | 17.50 | 38 T7385 | 3817811 | 18.50 |
| 0-10 | 38 T 7386 | 3817387 | 16.50 | 38 T738 | 3317800 | 17.50 | 3817390 | 3817812 | 18.50 |
| 0.25 | 377396 | 3817397 | 16.50 | 38 T7398 | 3817801 | 17.50 | 3817401 | 38.7813 | 18.50 |
| 0.50 | 3817402 | 3817403 | 16.50 | 3817404 | 3817802 | 17.50 | 38 T 7406 | 3877814 | 18.50 |
| 0.100 | 3877412 | 3817413 | 16.50 | 3817414 | 3817803 | 17.50 | 3817416 | 38 T 7815 | 18.50 |
| 0.200 | 3817422 | 3877423 | 16.50 | 3817424 | 3817804 | 17.50 | 3817426 | 3817816 | 18.50 |
| 0-300 | 38 T 7432 | 3877433 | 16.50 | 3817434 | 3817805 | 17.50 | 3817436 | 3817817 | 18.50 |
| 0.500 0.750 | 38 T 7442 | 3877443 | 16.50 | 3817444 | 3817806 | 17.50 | 38 T7446 | 3817818 | 18.50 |
| 0.750 0.1000 | 38 T7447 | 3877448 | 16,50 | 3817449 | 3817807 | 17.50 | 3817451 | 3817819 | 18.50 |
| 0. 1000 | 38 T 7452 | 38 T7453 | 16.50 | 38 T 7454 | 38 T 7808 | 17.50 | 3817456 | 3817820 | 18.50 |


|  | DC VOLTMETERS 1000 Ohms Per Volt |  |  |
| :---: | :---: | :---: | :---: |
| Range | Model | Stock No. | Each |
| 0.1 | 2275 | 38 T 7509 | 18.00 |
| 0.3 | 2217 | 3877513 | 18.00 |
| 0.3 | 420 | 3817517 | 20.00 |
| 0.5 | 420 | 38 T 7522 | 20.00 |
| 0.19 | 2217 | 38 T 7523 | 18.00 |
| 0-10 | 3271 | 38 T7526 | 19.00 |
| 0.10 | 420 G | 3817823 | 20.00 |
| $0-15$ | 2211 | 3817528 | 18.00 |
| $0-15$ | 3271 | 3817531 | 19.00 |
| 0-15 | 420 | 3817532 | 20.00 |
| 0.25 | 2211 | 3817533 | 18.00 |
| 0-25 | 3215 | 3817535 | 19.00 |
| 0-25 | 420 | 3817537 | 20.00 |
| 0.50 | 2271 | 38 T 7539 | 18.00 |
| 0.50 | 320G | 38 77824 | 19.00 |
| 0.50 | 420 G | 38 T 7825 | 20.00 |
| 0-100 | 3217 | 3817545 | 19.00 |
| 0-150 | 320 G | 3817826 | 19.00 |
| 0.150 | 3217 | 38 T 7550 | 19.00 |
| 0.150 | 3271 | 38 T 7551 | 19.00 |
| 0-150 | 420G | 3877827 | 20.00 |
| 0-200 | 327 T | 38 T 7556 | 19.00 |
| 0.300 | 320G | 3877828 | 19.00 |
| 0.300 | 420 G | 3817829 | 20.00 |
| $0.500 \dagger$ | 2271 | 38 T 7569 | 18.50 |
| 0.500 | 3217 | 3817570 | 19.50 |
| 0-3000t | 327\% | 38 T 7591 | 24.50 |

† Have external Resistors
DC MILLIVOLTMETERS

| Range | Model | Stock No. | Each |
| :--- | :---: | :---: | ---: |
| 0.50 | $227 T$ | 38 T 7605 | 17.00 |
| $0-50$ | $320 G$ | 38 T 7830 | 18.00 |
| $0-50$ | 420 | 38 T 7608 | 19.00 |
| 0.50 | 420 G | 38 T 7831 | 19.00 |
| 0.100 | 420 | 38 T 7613 | 19.00 |
| $0-150$ | 420 | 38 T 7618 | 19.00 |

DC AMMETERS

| Range | Model | Stock No. | Each |
| :---: | :---: | :---: | :---: |
| 0.1 | 420 G | 38 T 7787 | 19.00 |
| 03 | 3217 | 3817464 | 18.00 |
| $0-3$ | 420 | 38 T 7466 | 19.00 |
| 0-5 | 320G | 3817788 | 18.00 |
| 0.5 | 420 | 3817471 | 19.00 |
| 0-10 | 2211 | 38 T 7472 | 17.00 |
| 0-10 | 227 | 3817473 | 17.00 |
| 0.10 | 320 G | 3817789 | 18.00 |
| 0.10 | 420 | 38 T 7476 | 19.00 |
| 0.10 | 420G | 3817790 | 19.00 |
| 0.15 | 2211 | 3817477 | 17.00 |
| 0-15 | 3217 | 3817479 | 18.00 |
| 0.15 | 3271 | 3817480 | 18.00 |
| 0-25 | 420 | 3817486 | 19.00 |
| 0.50 | 321 T | 3817494 | 18.00 |
| 0-50 | 3271 | 3817495 | 18.00 |
| 0-50 | 420 | 3817496 | 19.00 |
| 0-50 | 420G | 3817791 | 19.00 |
| AC VOLTMETERS |  |  |  |
| Mange | Model | Stock No. | Each |
| 0-150 | 2315 | 38 T7748 | 17.00 |
| 0.150 | 2375 | 38 T 7749 | 17.00 |
| 0-150 | 330 G | 3817792 | 18.00 |
| 0-150 | 3315 | 38 T7750 | 18.00 |
| 0.150 | 3375 | 3817751 | 18.00 |
| 0-150 | 430 | 3817752 | 19.00 |
| 0.150 | 430G | 3817793 | 19.00 |
| 0.250 | 430 | 3817757 | 19.00 |
| 0-300 | 430 G | 38 T 7794 | 19.00 |

AC AMMETERS

| Range | Model | Stoch No . | Each |
| :---: | :---: | :---: | :---: |
| $0-1$ | 2375 | 38 T 7660 | 16.00 |
| 0.1 | 3315 | 3817661 | 17.00 |
| 0-1 | 430 | 3817653 | 18.00 |
| 0-2 | 3375 | 3817667 | 17.00 |
| 0-3 | 430 | 3817673 | 18.00 |
| 0-5 | 2375 | 3817675 | 16.00 |
| 0.10 | 430 | 3817683 | 18.00 |
| 0.15 | 2375 | 3817685 | 16.00 |
| 0.15 | 3375 | 38 T7687 | 17.00 |
| 0.15 | 430 | 38 T 7688 | 18.00 |
| 0-25 | 2315 | 3817689 | 16.00 |
| 0.25 | 3375 | 3817692 | 17.00 |
| 0.25 | 430 | 3817693 | 18.00 |
| 0-25 | 430 G | 3817795 | 17.00 |
| 0-30 | 2315 | 38 T 7694 | 15.00 |
| $0-50$ | 430G | 3817796 | 17.00 |
| 0.50 | 430 | 3817704 | 18.00 |
| 0.75 | 3315 | 38 17705 | 17.00 |
| $0-75$ | 430 | 3817707 | 18.00 |

OPTIONAL BEZEL
FOR "G" SERIES

Use of this piastic bezel allows you to mount 320G. 330G, 420G or 430G meters behind panel leaving only the meter face visible. Bezel for $41 / 2^{\prime \prime}$ series measures $4.92^{\prime \prime} \times 2.85^{\circ}$ overall, Bezel for $31 / 2^{\prime \prime}$ series is $3.83 \times 2.27^{\prime \prime}$ overall.
38 T 7821 For 320G \& 330G ..... Net 1.70 ea. 38 T 7822 For $420 \mathrm{G} \& 430 \mathrm{G}$ Net 1.70 ea

[^10]
## SHURITE PANEL METERS



LIASS FRONT Type 950

## CLEAM PLASTIC Type a50

OC VOLTMETERS

| Range | Type 959 | Net Each | Type 850 | Net Each |
| :---: | :---: | :---: | :---: | :---: |
| 0-1 | 376064 | 3.10 |  |  |
| $0-3$ | 3876065 | 3.10 | 3876149 | 3.20 |
| 3-0-3 | 3876066 | 3.10 |  |  |
| $0 \cdot 5$ | 3876067 | 3.10 | 38 T6150 | 3.20 |
| 0.6 | 387606 | 3.10 |  |  |
| 0.8 | 3876069 | 3.10 | 38 T 6151 | 3.20 |
| 0.10 | 3876070 | 3.10 | 38 T 6152 | 3.20 |
| 0-15 | 33 T 6071 | 3.10 | 38 76153 | 3.20 |
| 0.20 | $3{ }^{\text {c }} 16072$ | 3.10 | 38 T 6154 | 3.20 |
| $0-25$ | 3876073 | 3.25 | 3876155 | 3.35 |
| 0-25H | 38.16028 | 3.70 | 3876156 | 3.80 |
| 0.50 | 3876029 | 3.20 | 38 T 6157 | 3.30 |
| 0.50 H | 3876030 | 3.95 | 38 T 6158 | 4.05 |
| 0.75 | 38.15031 | 3.25 |  |  |
| 0.100 | 3876032 | 3.25 |  |  |
| $0 \cdot 100 \mathrm{M}$ | 3876037 | 3.85 |  |  |
| 0.150 | 3876034 | 3.40 | 38 T6159 | 3.50 |
| 0.150 H | 3876035 | 4.10 | 38 T 6160 | 4.20 |
| 0.300 H | 3876036 | 4.25 | 3876151 | 4.35 |
| 0.500 H | 3876037 | 4.50 | 34 T 6162 | 4.60 |

## A.C. METERS TYPE 850

## A.C. VOLTMETERS A.C. AMMETERS

Wange Stoch Mo. Wet Range slock No. Net $\begin{array}{lllllllll}0-10 & 30 & 5930 & 4.40 & 0-1 & 38 & 75923 & 4.35\end{array}$ $\begin{array}{llllllllll}0.15 & 38 & 7 & 5931440 & 0.3 & 38 & 75924 & 4.35\end{array}$ $\begin{array}{llllllllllll}0.25 & 38 & 75932 & 4.40 & 0.5 & 38 & 1 & 5925 & 4.35\end{array}$ $\begin{array}{llllll}0-50 & 38 \\ 7 & 5933 & 4.60 & 0-10 & 38 & 75926 \\ 4.35\end{array}$ $\begin{array}{llllllllll}0.150 & 38 & 75934 & 5.00 & 0.15 & 38 & 15927 & 4.35\end{array}$ | 0.300 | 38 | 75935 | 5.40 | 0.30 | 38 |
| :--- | :--- | :--- | :--- | :--- | :--- | 59284.60

2.50 38759294.95

## A.C MILLIAMMETERS TYPE 350

hange Stock No. Net Range stock No. Net | $0-10$ | 38 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $59174.500-100 ~ 38759204.40$ $0-50 \quad 38$ T $59194.40 \quad 0-500 \quad 38759224.40$

Economy model panel meters with fast response, excellent torque-to-weight ratio, long scales, and accuracy well within standard $5 \%$. All have zero adjust. AC are double vane repulsion type with jeweled bearings. DC are polarized vane solenoid type or moving magnet construction. Require a $2 \%$ " hole. " H " Indicates high resistance. "L" indicates low resistance. Model 850: Attractive plastic meters with $21 / 夕_{0} W \times 2 \%_{0}{ }^{2 H}$ - Crystal polystyrene front for exceptional visfbility and protection. Frosted finish interior. Model 950: Sturdy metal case, glass front meters. Flange-mounted. Average shpg. whe, $3 / 4 \mathrm{lb}$. "Sensitive type has .500 ohms resistance.
D.C. MILLIAMMETERS

| Rante | Type 950 | $\begin{aligned} & \text { Each } \\ & \text { Wet } \end{aligned}$ | Type 950 | $\begin{aligned} & \text { Net } \\ & \text { Each } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
| 0-1 | 3876051 | 4.50 | 38 T 6000 | 4.60 |
| 0-3 | 3876082 | 3.70 | 38 I 6009 | 3.80 |
| 0.31 * | 3816083 | 3.40 | 38 T 6010 | 4.45 |
| $0-5$ | 3876044 | 3.30 | 3876011 | 3.50 |
| 0.10 | 3876085 | 3.10 | 38 I 6012 | 3.40 |
| 0.15 | 3876086 | 3.10 | 33 I 6013 | 3.20 |
| 0.25 | 3476087 | 3.10 | 3416014 | 3.20 |
| 0.50 | 3876088 | 3.10 | 38 I 6015 | 3.20 |
| 0-100 | 3876089 | 3.10 | 3876016 | 3.20 |
| 0.150 | 3876090 | 3.10 | 3876017 | 3.20 |
| 0.200 | 3876091 | 3.10 | 3076018 | 3.20 |
| 0.300 | 34 T 6092 | 3.10 | 3876019 | 3.20 |
| 0-400 | 3076093 | 3.10 | 38 T 6020 | 3.20 |
| 0-500 | 3876094 | 3.10 | 38 T 6021 | . 20 |


| Range | Type 950 | Net Each | Type 350 | $\begin{aligned} & \text { Net } \\ & \text { Each } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
| 0.1 | 38 T 6095 | 3.10 | 38 T 6022 | 3.20 |
| 0.3 | 38 T 6096 | 3.10 | 3815023 | 3.20 |
| 0.5 | 38 T 6051 | 3.10 | 3876024 | 3.20 |
| 0.8 | 3876052 | 3.10 |  |  |
| 0-10 | 38 T 6053 | 3.10 | 3876025 | 3.20 |
| 0-15 | 38 T6054 | 3.10 | 3815026 | 3.20 |
| $0-25$ | 38 T 6055 | 3.40 | 3876027 | 3.50 |
| 0.50 | 39 T 6056 | 3.40 | 38 J 6144 | 3.50 |
| 5-0.5 | 3876058 | 3.20 |  |  |
| 6-0.6 | 38 T 5059 | 3.20 |  |  |
| 10.0.10 | 38 T 6060 | 3.40 | 3876145 | 3.50 |
| 20-0-20 | 38 T 6061 | 3.40 | 3876146 | 3.50 |
| 30-0.30 | 38 T 6062 | 3.40 | 38 T 6147 | 3.50 |
| 50-0-50 | 3816063 | 3.60 | 38 T 5148 | 3.7 |

## RESISTANCE METERS

| $10,000$ ohms | 3876039 | 3.60 | 3816163 | 3.70 |
| :---: | :---: | :---: | :---: | :---: |
| D.C. MICROAMMETERS |  |  |  |  |
| $0-500$ | 38 T 6167 | 4.75 | 31.76168 | 4.85 |

SHURIIE BATIERY TESTERS Pocket testers with bright plated cases, metal dials, and prods. Sturdily built. Test batterles without load. Ideal for testing batteries used in transistor circuits, model rallroads, hearing aicis, portable radios, etc. Shpg. wt., 802. DC VOLTMETERS

| TrPE | RAWSE | WET |
| :---: | :---: | :---: |
| 3815970 | $0-5$ | 3.25 |
| 38 T 5971 | 0.7 | 3.25 |
| 3875972 | 0.50 | 3.75 |
| 3875973 | 0.2.50 | 4.30 |
| 3815977 | 0.2-150 | 4.30 |
| DC AMMETEAS |  |  |
| 38 T 5978 | 0.3 | 3.25 |
| 3875975 | 0-15 | 3.25 |
| 38.59880 | 0-40 | 3.50 |

HEARING AID BATTERY TESTER Ideal for checking 1.5, 15, 22.5, 30,33, and 45 volt batteries. 3876164


## AC DC line voltage TESTER

Type 5406.Ll. Sturdy, pocket sized tester has a range of $0-150$ volts, $A C / D C$. Plug into any wall outlet and read the voltage, then plug in the appliance(s) and note the new reading. Find (and demonstrate) voltage drop or inadequate wiring as a source of service problems. Shpg. wt., 8 oz. 34 T 6169

Net 4.05

## EMICO PANEL METERS



MODEL NF-2C


MOOEL RF-21/4C


MODEL RF-2C


MODEL 13

All models pre-calibrated and accurate within $5 \%$. Rugged design gives satisfactory service under the most severe operating conditions. Styled to enhance appearance of electrical equipment. Steel cases are finished in durable black. Not affected by mounting in magnetic panels, Meter Movements: OC meters-"HI-TORK" magnetic and AC meters-moving iron type. Overall depth and flange dimensions: Model NF-2C, $11 / 4 \mathrm{x}$ 21/4"; Model RF-2C, 1\%2r21/4"; Model RF$2 Y_{4} C^{\prime}, 1 K_{4} \times 2 Y_{4}^{\prime \prime}$ for $2 K_{4}^{\prime \prime}$ round hole; Model 13, $3 / 4 \times 11 / 3 \times 2 \mathrm{k} / \mathrm{s}^{\prime \prime}$ all plastic design. Screw terminals with soldering lugs. Supplied with all mounting hardware. Avg. shpg, wt., 9 oz .

DC MILLIAMMETERS


# Printed Circuit Components－Experimenters Items PERFORATED COPPER－CLAD AND UNCLAD BOARDS <br> －Ideal For Transistor And Subminiature Circuitry <br> These sturdy，perforated boatds are the ideal base for builders，experimenters，and labs to <br> FLEA CLIPS FOR TRANSISTOR AND SUBMINIATURE CONTACTS <br>  

 mount miniaturized components．Two types available；either high grade bakelite for wired circults，or one side copper－clad for＂printed＂circuitry．Holes are $K_{0}$＂diameter with $X_{\text {＂}}$ between hole centers．All boards are ho＂thick．For contacts，the flea clips listed on this page are ideal．Avg．shpg．wt．， 6 or．

## PERFORATED CLAD PERFORATED UNCLAD

| Stech No． | Net Each Lots of $1100 \quad 250$ |  |  | Size | No．of Holes | Stock No． | Net | Each Lots of |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 19 T 3601 | ． 35 | ． 30 | ． 24 | 2\％ 1 ¢3\％＂ | $17 \times 12$ | 19 T 3605 | ． 25 | 20 | ． 18 |
| 19 T 3602 | ． 64 | ． 52 | ． 47 | $3{ }^{1 / 1 / 2 \times 63 / 4 "}$ | 35×19 | 19 T 3606 | ． 45 | ． 40 | ． 35 |
| 19 T 3603 | 1.15 | ． 96 | ． 67 | 7K1 $\times 674$ | $39 \times 35$ | 19 T 3607 | ． 75 | ． 65 | ． 60 |
| 19 T 3604 | 1.99 | 1.58 | 1.42 | 1012 $\times 7 \%^{\prime \prime}$ | $56 \times 38$ | 19 T 3608 | 1.20 | 1.08 | ． 97 |
|  |  |  |  | 18×7Kı＊ | $95 \times 38$ | 19 T 3609 | 1.99 | 1.79 | 1.65 |

## UNPERFORATED COPPER CLAD LAMINATE



| STOCK MO． | OCXP EAKELITE | NET | STOCK NO． | EPOXY GLASS | NET |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 19 T 7101 | $9^{\prime \prime} \times 12^{\prime \prime}$ | 1.50 | 19 T 3704 | $9^{* \prime} \times 12{ }^{\text {² }}$ | 4.20 |
| 19 T 7102 | $6^{\prime \prime} \times 41 / 2^{\prime \prime}$ | ． 49 | 19 T 3705 | $6^{\circ} \times 41 / 2^{\prime \prime}$ | 1.24 |
| 1917103 | $3{ }^{\prime \prime} \times 41 /{ }^{\prime \prime}$ | ． 30 | 19 T 3705 | 3＂x $41 / 2{ }^{\prime \prime}$ | ． 61 |
| 19 T7104 | $2^{+1} \times 41 /{ }^{\prime \prime}$ | ． 25 | 19 I 3707 | $2^{\text {－}} \times 412{ }^{\prime \prime}$ | ． 40 |
| 19 T 7105 | $3^{*} \times 21 / 4^{\prime \prime}$ | ． 24 | 19 T 3708 | $3^{\prime \prime} \times 21 / 4^{\prime \prime}$ | ． 34 |

＂Flea＂cilps are specially designed for sub－ miniature work．Fit perfectly in holes in per－ forated copper－clad and unclad boards with Yo＂dia．holes．Made of beryllium copper， silver plated finish．Simply insert wire thru hole for positive grio contact． 19 T 3301 Package of $12 \ldots \ldots$. Net 1.25 19 T3303 Package of 5000 ．．．．．．．．．．．．．．．Net 76.15 1913304 Package of 10,000 …．．．．Net 149.30 G－C CHEMICALS FOR PRINTED CIRCUITS
PRINT－KOTE SILVER PRINT．Pure siliver com－ pound．Air drying．Used to repair printed circult＂wires＂and touch up connections． H／2 Troy oz．Shpg．wt．， 4 ors．
13 T 6010 EC－21．1 $\qquad$ Net 3.23
．20 PRINT．KOTE COPPER PRINT．A high con． 2 ductive，fast orying compound to touch up 1 and repair printed circuits．With brush－cap .40 in 2 oz．bottles．Shpg．wt． 6 oz ． $.34 \quad 13 \mathrm{~T} 6114$
AND SUPPLIES
－For The Builder－Experimenter－Student－Technician


This Screen Printing Kit provides an accurate and rapid means for making larger sample quantities or even short production runs of printed circuits．Frame measures $8^{\prime \prime} \times 12^{\prime \prime}$ It comes with silk already stretched and Is hinge mounted on durable formica covered plywood base．Neoprene squeegee is mount－ ed in sturdy all wood handle．Photo stencil film and all chemicals necessary for making stencils．Complete with screen process etch resistant ink，blockout medium，tape mask－ ing，solvent，spare bottle and complete in－ structions．
19 T 6824
Net 29.95
COPPER CLAO LAMINATE ON EPOXY－GLASS
G－10 Grade Epoxy Glass with copper clad laminate．Laminated one side．†Both sides Laminated．All Ko＂thick．

| STOCK NO． | TYPE | SI2E | NET EA． |
| :---: | :---: | :---: | :---: |
| 19 I6822 | PE－A＊ | $9^{\prime \prime} \times 12^{\prime \prime}$ | 6.00 |
| 19 T6823 | PE．F＊ | $9^{\prime \prime} \times 6^{\prime \prime}$ | 3.00 |
| 19 T 6820 | PE－B＊ | $41 / 2^{\prime \prime} \times 6^{\prime \prime}$ | 1.50 |
| 19 T 6821 | PE－C＊ | $44 / 2{ }^{\prime \prime} \times 3^{\prime \prime}$ | ． 75 |
| 1976818 | PE．0＊ | 41／2＂×2＂ | ． 50 |
| 19 T6819 | PE．E＊ | $21 / 4{ }^{\prime \prime} \times 3$＂ | ． 40 |
| 19 T 6836 | PE．AAT | 9＇x12＂ | 7.00 |
| 19 T 6837 | PE－FF $\dagger$ | $9^{\prime \prime} \times 6^{\prime \prime}$ | 3.50 |
| 19 I6834 | PE－BB $\dagger$ | $41 / 2{ }^{\prime \prime} \times 6^{\prime \prime}$ | 1.79 |
| 19 T 6835 | PE－CC $\dagger$ | $41 / 2^{\prime \prime} \times 3^{\prime \prime}$ | ． 90 |
| 19 T6832 | PE－OD + | $44 / 2^{\prime \prime} \times 2^{\prime \prime}$ | ． 60 |
| 19 T6833 | PE－EE $\dagger$ | $21 / 4{ }^{\prime \prime} \times 3^{\prime \prime}$ | 45 |

## BALL POINT TUBES

Make resist patterns directly on copper clad boards．As easy to use as a ball point pen． Deposits line so＂wide．No need to＂lay－out＂$^{\text {w }}$ colors of resist for color coding of circulting．

| Stoch No． | Type | Color | Net ea． |
| :--- | :--- | :--- | ---: |
| 19 T 6839 | PRLT | Red | 1.25 |
| 19 T6840 | PRLT | Black | 1.25 |
| 19 P6841 | PRLT | Blue | 1.25 |
| is 56842 | PRLT | Green | 1.25 |
| 19T 6843 | PRLT | Yellow | 1.25 |

TECHNICIANS KIT
NO． 5003


Contains 8 copper clad single faced and 2 double faced boards from $41 / 2 \times 6^{* *}$ to $3 \times 21 / 4^{* *}$ ； 6 tube sockets； 1 tape resist； 1 liquid resist； eyelets； 1 drili，etching solution and direc－ tions．In plastic box size： $974 \times 61 / 2 \times 2^{2}$ ．Shpg． wt． 1 lb .5 oz ． 19 6806

EXPERIMENTERS KIT NO． 5002


A good kit to start off learning the technique of etched circuitry．Contains 6 copper clad boards from $41 / 2 \times 3^{*}$ to $3 \times 21 / 4^{*}$ ； 3 tube sock． ets；Dots； 1 pack etchant； 1 tape resist； eyelet assortment；drill and directions．In plastic box size $54 / 4 \times 13 / 4 \times 4^{\prime \prime}$ ．
19 T 6807 Shog．wt．， $802 . \quad$ Net 4.75
PRESENSITIZEO
COPPER CLAO PANELS
All are the＂thick copper clad one side．Ex－ cept $\# 2$ sides are xxxp laminate + are $\mathbf{G 1 0}$ epoxy－glass laminate．

| STOCK NO． | TYPE | SI2E | HETEA． |
| :---: | :---: | :---: | :---: |
| 19 T6803 | PXC－F＊ | $6^{\prime \prime} \times 9^{\prime \prime}$ | 2.00 |
| 19 T 6804 | PXC－B＊ | $6^{\prime \prime} \times 41 / 2{ }^{\prime \prime}$ | 1.00 |
| 19 I6805 | PXC－G＊ | 3＂x41／2＂ | 75 |
| 19 T 6825 | PXE－Ft | $6^{\prime \prime} \times 9^{\prime \prime}$ | 4.08 |
| 19 T 6826 | PXE－B $\dagger$ | $6^{\prime \prime} \times 4142^{\prime \prime}$ | 2.00 |
| 19 T 6827 | PXEC C | $3^{\prime \prime} \times 41 / 2^{\prime \prime}$ | 1.00 |
| 19 T6844 | PXC－FF＊${ }^{\text {P }}$ | 6＂x9＊ | 3.00 |
| 19 T 6845 | PXC－B8＊＊ | 6＂$\times 41 / 2=$ | － 1.50 |
| 19 T 6846 | PXC．CC＊＊ | 3＂x4y／ | 1.00 |
| 19 T 6847 | PXE－FF＋竞 | 6 ＂${ }^{\text {9＊＊}}$ | 5.00 |
| 19 r 6848 | PXE－88 ${ }^{\text {\＃}}$ | $6^{\prime \prime} \times 44 / 2{ }^{\prime \prime}$ | 2.50 |
| 19 T6849 | PXE－CCt茾 | 3＊x41／2＊ | 1.25 |
| PROCESSING MATERIALS |  |  |  |
| Type PxO－8 eight ounce developer |  |  |  |
| 19 T 6802 |  | －Ne | ． 1.0 |
| Type PXY－1 one ounce dye |  |  |  |

INOUSTRIAL LABORATORY
KIT NO． 5100


Ready to use presensitized copper clad laminate cuts lime to make prototype printed circuits．Kit contains 20 －pieces single and double clad $X \times X X \cdot P$ and epoxy fiberglass laminates in assorted convenient sizes，presensitized and uncoated， 20 as sorted printed circuit tube and transistor sockets． 2 rolls tape resist strip $K_{0 \prime \prime}^{\prime \prime}$ and $1 / 8^{\prime \prime}$ wide． 200 die－cut tape resist circles $1 / 4^{\prime \prime}$ and K＂$_{0}$ diameter．Bottle liquid resist and brush．Ball－point resist pen．Package of printed circult eyelets and terminals，\＃51 drill，layout paper，exposure clamp，develop－ ing and etching solutions with trays．Full instructions and technícal bulletins．
19 T 6801 Shpg．wi．． 10 lbs．
Net 29.95
PRINTEO CIRCUIT ACCESSORIES
Basic components for the experimenter－de． signer－lab－limited production－etc．in printed circuit construction．Highest quality mate． rials－indispensable for prototype work．

TAPE RESIST
$320^{\prime}$ Rolls of Tape Resist（Black）Average Shog．wt．， 202.

| STOCK NO． | TYPE | WIDTH | NET EA． |
| :---: | :---: | :---: | :---: |
| 1916812 | PRT1 | Ko＂ | ． 85 |
| 19． C 813 | PRT2 | K00 | ． 75 |
| 1916814 | PRT3 | 为：＂ | ． 90 |
| 19 I6815 | PRT4 | 4\％＂ | ． 90 |
| 19T6829 | PRT8 | 1／4＂ | 1.00 |

## RESIST CIRCLES PKGE OF 100 EA．

 TOUCH UP RESIST
19 T 6817 PRL one ounce jar ．．．．．．．．．．．．．．．．．．．．．． 50
EYELETS
19 T 6811 PEY12 125 Asst．Eyelets ．．．．．．．．．． 60
PRINTED CIRCUIT TERMINALS
19 Y 6631 PTE10 Pkg．of 10

## ECHANTS

15 T 6809 PE16 Pint．
1.25
2.25

# VECTOR Boards, Terminals \& Kits 

## VECTOR "PLUGBOARDS" AND RECEPTACLES

Ready.to wire plugtoards ideal for prototypes and short runs. Made of epoxy-paper $\mathrm{K}_{4}$ " thick, meets MIL-P.22324; WE types are epoxyglass $Y_{0}{ }^{\circ}$ thick, meets MIL-18177. All boards have $.962^{\prime \prime}$ holes on altemate intersections of a. 1 " grid. Elco Varicon contacts attached to board provide terminations. Type $838 A$ is for printed circuits and has etched copper contact strips and etched contacts on . $156^{* \prime}$ centers, $.072^{\circ}$ wide.

| STOCK NO. | $\begin{aligned} & \text { MFRS. } \\ & \text { TYPE } \end{aligned}$ | SIIE | NO. COMTACTS | 1.19 | EACH | $\begin{aligned} & 100- \\ & 199 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 19 T 8323 | 837 | 3x41/2" | 12 | 2.24 | 2.02 | 1.1 te |
| 19 T8324 | 837WE | 3x42" | 12 | 2.48 | 2.23 | 2.08 |
| 19 T 8325 | 812 | 41/2x61/2" | 16 | 2.18 | 2.54 | 2.41 |
| 19 T 8327 | 838A | 41/2x61/2* | 22 | 2.70 | 2.43 | 2.27 |
| 19 T8330 | 848WE | 442x62\% | 35 | 5.86 | 5.27 | 4.92 |

RECEPTACLES have solder tabs and mounting holes.

| stock NO. | MFRE. TVPE | W0. CONTACTS | $\begin{aligned} & \text { USED } \\ & \text { WITH } \end{aligned}$ | EACH |
| :---: | :---: | :---: | :---: | :---: |
| 1918332 | R612-1 | 12 | 837, 837WE | 1.50 |
| 1918333 | R616-1 | 16 | 812 | 2.24 |
| 19 T 2334 | R635 | 35 | 848WE | 4.91 |
| 19 T8335 | R644 | 44 | 838A | 2.62 |

## VECTOR BOARDS FOR INTEGRATED CIRCUITS

"D.I.P." plug-in mounting boards for 14 or 16 lead dual-in-line integrated circults. Boards are $\mathrm{K}_{4}{ }^{"}$ thich epoxy paper material meas. uring $41 / z^{\prime \prime} \times 61 / 2^{\prime \prime}$ overall with an aluminum frame on 3 sides which fits $1 / 0^{-}$card guides. Boards have overall grid of $.041^{\prime \prime}$ diameter holes spaced on 0.1" centers and an X-Y matrix pattern of .070" etched copper lines running vertically on board and horizontally on board back, except as follows: -2 has etched connector fingers only and no matrix; -3 type has matrix on rear side only. Avg. Shog. wt., 1202.

| Stock No. | Mirs. Type | 0esc. | Net Exch |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 1.19 | 20-99 | $100$ |
| 15 V 352 | 3474 | $41 / 2$ " $661 / 2^{\prime \prime} 44$ etched | 10.50 | 9.45 | 8.82 |
|  |  | contacts, matrix |  |  |  |
| 1978351 | 3474-2 | 41/2"x61/2" 44 etched | 7.95 | 7.16 | 6.68 |
| 19 T8353 |  | contacts, no matrix |  |  |  |
|  | 3474-3 | $41 / 2^{\prime \prime} \times 4 / 2^{\prime \prime} 22$ etched contacts matrix | 7.98 | 7.18 | 6.70 |
|  |  | contacts, matrix back slde |  |  |  |
| 19 T 2350 | P. 139 | Line cutter chisel | Met | ch. 1.5 |  |

## VECTOR EXPERIMENTERS CHASSIS KITS



## Ideal For Lab

Designed for rapid set-up of experimental tube or transistor circuitry. Each kit contains 1 or more prepunched phenollc boards all $K_{a}^{\prime \prime}$ thick, aluminum channels for mounting. an assortment of sochets, push in terminals types T 9.4 and T 30 N , spring clips. assorted screws, nuts spacers, metal strap. brackets, installation tool for I 30 N and push in terminals. 6 sheets of layout paper, Dlas. tic parts box and instructions.
Kit Mo. $20 x$ for tube Circultry. Includes 1 punched board $43 / 4 \times 812^{\prime \prime}$ and 8 asstd. tube sockets.
Kit Mo. 21x for Tube and Transistor Circultry. Includes 3 boards, $43 / 4 \times 17^{\prime \prime} .17 / 4 \times 1.9^{\prime \prime}$, $81 / 2 \times 1.9^{\prime \prime} .4$ transistor sockets, 8 asstd. tube sockets. 14 diode dips and wire.
Kit No. 22x for Transistor Clicuitry. Includes 3 boards, $43 / 4 \times 812^{\prime \prime}$. $17 / 8 \times 1.9^{\circ}, 81 / 2 \times 1.9^{\prime \prime}$, 8 asstd. transistor sockets. 12 diode clips and wire.

|  |  |  | ch | In Lots |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Stock Mo. | Vect. | $1-49$ | 50.199 | $\begin{aligned} & 200- \\ & 499 \end{aligned}$ | $500$ |
| 1978317 | 20) | 6.75 | 5.08 | 4.73 | 4.52 |
| 19 T 8318 | $21 \times 21 / 4$ | 18.75 | 15.08 | 11.73 | 11.22 |
| 1978319 | $22 \times 11 / 4$ | 11.50 | 10.35 | 8.05 | 7.71 |

## VECTOR ETCHED CIRCUIT KIT

 Designed for mak. ing tow cost etched circuits with the least amount of bother. Circuit can be sketched on grid layout paper provided. Once best circuit Is found, Vectoresist can be used to trans fer circuit to copperclad board. Board is then put in bag containing chemical solution and agitated. Cir. cuit takes less than 10 min . to etch. KIt includes two $41 / 2 \times 61 / 2^{\prime \prime}$ phenolic boards; one sheet vectoresist with assorted pad layouts, lines, circles, and connector patterns; etching chemical; grid layout paper; "practice ${ }^{n}$ copper-clad pieces.
15 T 3356 Shpg. $\mathbf{W t}$., $11 / 2$ lbs. ....... Net 6.50

## VECTOR SOLDERLESS CIRCUIT SET-UP KIT



Provides an easy means of setting-up and testing circuits rapidly without having to solder connections. $1.81 / 2 " \times 17^{\prime \prime}$ Vectorbord dech and trame, extra pieces of Vectorbord. brackets, $90-\mathrm{T} 30 \mathrm{~N} 2$ Solderless Spring-Clips, Lug-Cllps, $100-79.4$ solderable Terminals, 6-Transistor Sockets. (4 Universal-tyoe, 2 Power-type), 3-Movat 9 -pin, 3 -Miniature 7 -pin and 2 -Octal 8 -pin tube sockets with mountIng waters. Shpg, wt., 1 lb .
19 T 8320 Model 25x _1-49 ea. Net 21.45
$50-199$ ea. Net 19.31

## VECTOR PREPUNCHED

## BREADBOARDS

Pre-punched terminal boards for prototypes and production. Ivory epoxy-paper grade Exxxp per mil P-22324. Natural tan phenolic grade XXXP per mil P-3115B. Epoxy glass grade G10 per mil P-18177. All ho" thich except *3 $\mathrm{H}_{2}^{\circ}$. Add $.093^{\circ}$ hole sile on $265^{\circ}$ spaced centers except \#. 064 bole on.$^{\infty}$ centers, $t .062^{\prime \prime}$ hole on $141^{\prime \prime}$ centers and - $0.42^{\prime \prime}$ holes on $.1^{\prime \prime}$ centers. For use with Vector push-in terminals. Average shpg. wt., 702.


MPPE T9.4 Terminal. Brass, Thn plated with serrated slots, fits hole size .094 ${ }^{\circ}$
15 T8301
19 T8340 $\qquad$ Phg. of 10001.38 Phg. of $1000 \quad 9.79$ TYPE P122 Insertion tool for T. 94 terminals. 19 T1341

Net ea. 1.40 TYPE 128 terminal beryllium copper tin-platd. fits hole size $.062^{\circ}$

## 19 T 8302

Pkg. of $100 \quad 1.55$
19 T8330
Pkg, of 100011.00
Type T28S, Same as T28 above except silver plated.
19 I 8361
Phg, $100 \quad 1.65$
10 T8360 Plkg. $1000 \quad 12.99$ TYPE P91 Insertion fool for T28 and T28S terms.

## 19 T8306

.50
TYPE T30N2 Springclip terminal holds up to six wires without soldering. Nickel plated brass body with nickel plated steel music wire sprine fits hole size .094".
$\begin{array}{llr}19 \text { T8304 } & \text { Phg. of } 10 & .95 \\ 19 \text { T } 8303 & \text { Phg. of } 100 & 6.95 \\ 19 \text { T8339 } & \text { Phg. of } 100048.50\end{array}$ 19 TR P3. of 100048
TYPE P92A Insertion tool for T30N2 termb-

## nals. <br> 9T' 19305

Net ea. . 50
VECTORESIST RUB-ON RESIST


Patterns are simply rubbed from VECTOREST sheet onto copper clad Vectorboard or equivalent and etched with Ferric Chioride or Ammonium Persulphate solution. VEC. TORESIST contains different line widths, curves, circles. dads and solld areas with standard spaced plug contacts. Sheet size is 9x13". Shpg. wt., $1 / 2 \mathrm{lb}$.
19 T8321
Net 2.00
19 T 8355 lines only $H_{10}{ }^{\circ}$ to $16^{\prime \prime}$ - Net 2.00 Pad layouts, plus base layouts for 3 lead TO-54 and TO-18 Semis.
19 T 8354
Net 2.00

# Photoconductive And Photoelectric Cells 



## PHOTO CONDUCTIVE CELLS

Conductivity of these sensitive cells varies with Intensity of light. All rated at 20 ma at 200 volts. Wave length 4000 to 8000 angstroms. Resistance at 0 ft . candle is 10 meg for type A, 5 meg for type B. Other chart ratings approx. $\pm 50 \%$. Imported.

|  | Fig. | Resistance in ohms at |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 9916320 | A | eg | 150,000 | 25 | . 99 |
| 9 T632 | B | 25,000 | 4,500 | 70 |  |

b3M SELENIUM SOLAR CELL


Ratings (in full sunlight): Output 0.2 to 0.4 volts, $11 / 2$ to $21 / 2$ milliamps. Plastic case with adhesive disc. Size: $11 / 4 \times 11 / 2 \times$ Ko $_{0}{ }^{0}$. Shpg. wt., 4 oz.
19 T 2903
Net 1.71
n Lots of 10 or more $\qquad$ Net ea. 1.52

## SIM SILICON SOLAR CELL

Output rating 0.3 to 0.4 volts and 10 to 16 milliamps in full sunilight. Plestic case with pressure sensitive adhesive disc. Size: $1 / 4 a x$ $145 x_{4}{ }^{2}$. Shpg. wt., 4 oz.
19 12904
Lots of 10 or more
Net 2.20
Net ea. 1.96


## PIONEER CDS CELLS

FIG. C (700 Series) FIG. 0 ( 900 Series). Hermetically sealed high sensitivity cadmium sulphide cells. Types ending in 01 thru 04 are suggested for use with slowly changing daylight; types ending in 10 thru 13 espectally suited for industrial photocontrol operations depending on interruption of an incandescent source. Maximum dissipation on 700 series is $1 / 4$ watt continuous or 1-watt intermittent (1 min. periods); 900 series is $1 / 2$ watt continous, 2.watts intermittent. Mean output is photocurrent at 50 V AC and simulated daylight of 1 FC; range varying $\pm 33 \%$ of mean. Maximum dark current measured at 100 V . 5 seconds after 50FC light extinguished. Photosensitive area of 700 series is .1 sq . in; 900 series is . 44 sq . in.

## DAYLIGHT TYPES

| Stock | Type | Mean <br> Output | Max. <br> Oark <br> Curr. | Max, <br> Oark <br> Volt | Net |
| :---: | :---: | ---: | ---: | ---: | ---: |
| No. | No. |  |  |  |  |

INCANDESCENT TYPES

| Stock No. | Type No. | Nom. Res. 0 hms | Min. Oark Res | Max. Dark Volt | $\begin{aligned} & \text { Net } \\ & \text { Es. } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 19 T 4709 | 710 | 1330 | 4 meg . | 500 | 1.00 |
| 1974710 | 711 | 670 | 4 meg . | 500 | 1.00 |
| 19 T 4711 | 712 | 330 | 2.5 meg. | 350 | 1.00 |
| 1914712 | 910 | 1330 | 4 meg . | 1000 | 1.10 |
| 1974713 | 911 | 670 | 4 meg. | 1000 | 1.10 |
| 1974714 | 912 | 330 | 2.5 meg. | 700 | 1.10 |
| 19 T 4715 | 913 | 165 | 5 meg . | 500 |  |

## RESISTOR PHOTOCELL 89

A cadmium-sulphide lightactivated resistor used to actuate door openers, burglar alarms, relays, light controls, production counters, etc. Resistance varies from 75 ohms at approx. 93 footcandies to over 10 megohms in total darkness. Maximum volts: 110 VAC (peak) 110 VDC ; maximum dissipations .2 watt @ $40^{\circ} \mathrm{C}, .1$ watt @ $50^{\circ} \mathrm{C} 0 @ 60^{\circ} \mathrm{C}$. Capacity approx. 6 mmf . $1 / 2^{\prime \prime}$ diam. x Ko" thick. imported. Shpg. wt., $3 \mathbf{0 2}$.
19 T210t
Net . 89

## INTERNATIONAL RECTIFIER SELENIUM PHOTOCELL GRAB BAG KIT

FE100 $11^{98}$
Assortment of 8 photocells with varied shapes, sizes and outputs. Some have pig: tall leads mounted; leads supplied for all the cells. Nominal output range $1 / 2-1 / 2$ volts; 250 microamps to 5 MA in bright sunlight. Shpg. wt. 802.
19 T2911
Net 1.98

## PHOTO CELL ANO SUN BATTERY ASSORTMENT.

This interesting special package contains 4 selenium photocells with outputs from $1 / 3$ to $1 / 2$ volt and 0.5 ma to 3 ma in bright sunlight. Complete with 24 -page instruction and proj. ect manual. Shpg. wt. 6 oz.
19 Y 2910
Net . 98


- No external power needed
- Output in sunlight up to 60 MA

Sensitive to a wide spectrum including white, colored or ultra-violet light. All unmounted; complete with leads. Dutputs in table below taken at 100 foot candle iliumination with 100 ohm load. Shpg. wt., 302. imported.

| Stock No. | Out $\mu$ a | Size | NET |
| :---: | :---: | :---: | :---: |
| 99 T 6243 | 100 | 111/4x\%4* | . 59 |
| 99 T 6244 | 250 | $1116059 \%$ | . 69 |
| 99 T 6245 | 350 | 11\% $\times 1 / \%^{\prime \prime}$ | . 89 |

## B2M SUN BATTERY



Average sunlight gener. ates 2 ma. current under 10 ohm load. With milli. ammeter can be used to measure light. In series or series-parallel will drive transistorized equipment. 60 microamps@100 foot candles with 55 ohm load. .5 volt in average sulight, 25 voit at 100 foot candles.

15 T 2901
$\begin{array}{llr}\text { Net Ea. } & 1.47 & 10-\mathrm{Up} \\ 1.32\end{array}$

## CLAIREX PHOTOCELLS

#  <br> E 

Photoconductive cells sensitive in the red and near infrared spectral region. Act as resistors which vary with applied illumination. Have very low dark current and negligible cell noise. Hermetically sealed in glass or metal glass enclosures: 500 series $.5 \times .5^{\prime \prime}$. 600 series $.25 \times .5^{\circ \prime} ; 700$ series $.36 \times .180^{\circ}$ 5 M series $.5 \times .18^{\prime \prime} ; 900$ series $.21 \times .15^{\prime \prime}$. Low resistance " $L$ " types for transistor and other low level applications. Average DC resistance $\pm 1 / 3$ measured at. 2 foot candles. $2854^{\circ} \mathrm{K}$ and $25^{\circ} \mathrm{C}$ ambient. $A=$ Peak spectral Response. $t=500 \mathrm{MW}$ with heat sink; 250 MW without heat sink. $\ddagger=2000$ MW with heat sink; 500 MW without heat sink. Power rating at $25^{\circ} \mathrm{C}$ ambient; derated linearly to zero at $75^{\circ} \mathrm{C}$. All are Cadmium Selenide except * are Cadmium Sulphide.

| Stock No. | Mfr. No. Fig, | A | Light Ohms | olts (Max) | Pwr. NW |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 19T1918 | CL603 B | 7350 | 133K | 300 | 75 |
| 1971929 | CL603A B | 7350 | 75K | 300 | 75 |
| 1971910 | CL603AL B | 7350 | 3.5K | 170 | 75 |
| 19 T 1911 | CL604 B | 6900 | 30K | 300 | 75 |
| 19 T1919 | Cl604L B | 6900 | 1.5K | 170 | 75 |
| Net ea. Any of gbove .................. 1.75 |  |  |  |  |  |
| 19 T1914 | CL504 A | 6900 | 1.5K | 250 | 4 |
| 1971915 | CL504L A | 6900 | 0.25K | 170 |  |
| $1971916^{\circ}$ | CL505 A | 5500 | 9 K | 250 |  |
| 13T1917* | CL505L A | 5500 | 1.5K | 170 |  |
| 19 I 1909 | Cl602 B | 5150 | 1 M | 300 | 75 |
| $197191{ }^{*}$ | Cl605 B | 5500 | 166K | 300 | 75 |
| $1971920^{\circ}$ | Cl605L B | 5500 | 7.5K | 170 | 75 |
| $1971906^{\circ}$ | CL702L C | 5150 | 20K | 170 | 125 |
| $19 T 1905$ | Cl703 C | 7350 | 133K | 300 | 125 |
| 1971906 | CL703L C | 7350 | 2.7K | 170 | 125 |
| 1971930 | CL903 E | 7350 | 133K | 250 | 50 |
| 19 T1931 | CL903L E | 7350 | 5.9K | 170 | 50 |
| 19 T 1932 | Cl904 E | 6900 | 30K | 250 | 50 |
| 1971933 | CL904L E | 6900 | 2K | 100 | 50 |
| $19 \mathrm{~T} 1934^{\circ}$ | CL905HL E | 5500 | 100K | 100 | 50 |
| 19 T 1924 | CL5M4 D | 7350 | 7.2K | 250 |  |
| 1971923 | CL5M3 0 | 6900 | 1.5K | 250 |  |
| 19 T1921 | CL5M4L 0 | 6900 | 0.25K | 170 |  |
| 19 T 1922* | CL5M5 D | 5500 | 9K | 250 |  |
| $1971927^{\circ}$ | CL5M5L 0 | 5500 | 1.5K | 170 |  |
| 19 $1928^{\circ}$ | CL5M7 D | 6150 | 7.2K | 250 |  |
| Net ea. Any of above _- 1.50 |  |  |  |  |  |

Hermetically sealed high rellability lamps combined with hermetically sealed photocells In a rugged potted package. Cells are optically coupled to lamps. Max. power dissapation is 50 mw at $25^{\circ} \mathrm{C}$. Max. cell voltage 120 volts with lamp off. Max. module oper. temp. $-20^{\circ} \mathrm{C}$ to +75 C . Time to reach $110 \%$ of "on" resistance is . 080 sec . for 6 and 24 V lamps, 065 sec for 12 V , 005 sec . for type CLM3120, 008 sec . for CLM4120. Decay time = time to reach look after lamp circuit is broken. Min. $5-\mathrm{sec}$. off resistance is 100 meg. for types with $\dagger$, all other 1 meg. All lamps draw 40 ma except are neon 3 ma . Size: $11 / 0^{-1} \mathrm{~L}$ y . 375 Diam.

| Stock No. | Mfr. Type | Max. on Resis. Dhms | Max. Delay Time | Max. <br> Lamp <br> Volt. |
| :---: | :---: | :---: | :---: | :---: |
| 19 1 1935 | CLM3006 | 250 | . 15 sec . | 6 |
| 19 T1936 | CIM4006 | 50 | .90 sec . | 6 |
| 19 T 1937 | CLM3012† | 125 | . 20 sec . | 12 |
| 19 T 1938 | CLM4012 | 50 | . 75 sec . | 12 |
| 19 T 1939 | CLM3024 $\dagger$ | 140 | . 35 sec . | 24 |
| 19 T1940 | CLM4024 | 40 | . 60 sec . | 24 |
| $19 \mathrm{~T} 1941^{\circ}$ | CLM3120t | 700 | . 05 sec . | 120 |
| 19 T 1942* | CLM4120 | 200 | . 60 sec . | 120 |

# Terminal Strips-Poly Rods \& Sheets <br> <br> BEAUCHAINE BARRIER STRIPS 

 <br> <br> BEAUCHAINE BARRIER STRIPS}

## TYPE 18000-20 AMP

Leakage path between terminals is $7 / 16^{\prime \prime}$. Base is $1 \mathrm{H}^{\prime \prime \prime}$ wide $\times 1 / 2^{\prime \prime} \mathrm{high}$.

| 5tock Mo. | No. of Centacts | 1-49 | $\begin{aligned} & \text { Wet Each } \\ & 50-99 \end{aligned}$ |
| :---: | :---: | :---: | :---: |
| 33 T 8626 | 1 | . 19 | . 16 |
| 33 T 8627 | 2 | . 20 | . 17 |
| 33 T 8628 | 3 | . 26 | . 22 |
| 3318629 | 4 | . 34 | . 28 |
| 33 T 8630 | 5 | . 41 | . 34 |
| 33 T 8631 | 6 | . 47 | . 39 |
| 33 T 8632 | 7 | . 55 | . 46 |
| 33 T 8633 | 8 | . 62 | . 52 |
| 33 T8634 | 9 | . 68 | . 57 |
| 33 T8635 | 10 | . 76 | . 64 |
| 33 T8636 | 11 | . 82 | . 69 |
| 33 T8637 | 12 | . 89 | . 74 |
| 33 T8538 | 13 | . 96 | . 80 |
| 33 T 8639 | 14 | 1.03 | . 86 |
| 33 T 8640 | 15 | 1.10 | . 92 |
| 3318641 | 16 | 1.18 | . 99 |
| 33 T8642 | 17 | 1.24 | 1.04 |
| 33 T 8643 | 18 | 1.31 | 1.10 |
| 33 T 8644 | 19 | 1.39 | 1.16 |
| 33 T 8645 | 20 | 1.46 | 1.22 |


| Stock No. | No. of Contacts | 1-49 | $\begin{gathered} \text { Wet Each } \\ 50.99 \end{gathered}$ |
| :---: | :---: | :---: | :---: |
| 33 T 8651 | 1 | . 22 | 18 |
| 3318652 | 2 | . 23 | 20 |
| 33 T 8653 | 3 | . 32 | 27 |
| 3318654 | 4 | . 40 | 34 |
| 33 ¢ 8655 | 5 | . 49 | 41 |
| 33 T 8656 | 6 | . 58 | . 48 |
| 33 ¢ 8657 | 7 | . 67 | . 56 |
| 33 T 8658 | 8 | . 75 | . 63 |
| 33 T 8659 | 9 | . 83 | . 70 |
| 33 T 8660 | 10 | . 93 | . 78 |
| 33 T 8661 | 11 | 1.01 | . 84 |
| 33 T 8662 | 12 | 1.10 | . 92 |
| 33 T 8663 | 13 | 1.19 | . 99 |
| 33 T 8664 | 14 | 1.28 | 1.07 |
| 33 т 8665 | 15 | 1.37 | 1.14 |

## HEAVY OUTY SCREW COLLAR STRIPS


$x_{2}^{\prime \prime \prime}$ bakelite. 7/4" wide Nickel Plated Brass Screw Terminals, tinned soider lugs. Avg. shpg. Wt. . 402.

|  |  | Net Each Lets of |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Stack Ne. | Term. | 1 | 10 | 100 |
| 32 T 644 C | 2 | . 22 | . 20 | . 10 |
| 32 T6449 | 3 | . 24 | . 22 | . 20 |
| 32 T 6450 | 4 | . 30 | . 27 | . 24 |
| 3276451 | 5 | . 37 | . 33 | . 31 |
| 32 T 6452 | 6 | . 43 | . 39 | .36 |
| 32 T 5453 | 7 | . 50 | . 45 | .41 |
| 32 T 6454 | 8 | . 56 | . 50 | . 45 |
| 32 T 6455 | 9 | . 67 | . 60 | . 48 |
| 32 T6456 | 10 | . 69 | . 62 | . 56 |

## TERMINAL STRIPS



High quality bakelite terminal strips. Solder lugs mounted on K k $_{6}{ }^{\text {o }}$ thick insulation. Avail. able with 2, 3, 4 or 6 solder Iugs and screw terminals. Mounting holes for 6 -32 screws. Avg. Shpg. wt.. 402.

| Steck No. | Ferm. | E. | 5 for | 100 ler |
| :---: | :---: | :---: | :---: | :---: |
| 32 T7801 | 2 | . 01 | . 35 | 8.30 |
| 3217802 | 3 | . 12 | . 53 | 9.45 |
| 32 T 7803 | 4 | . 14 | . 63 | 11.25 |
| 3277804 | 5 | . 18 | . 63 | 14.65 |
| 3217805 | 6 | . 21 | . 93 | 16.65 |
| 32 T 1201 | 7 | . 25 | 1.13 | 21.25 |
| 32 T 1202 | 8 | . 27 | 1.20 | 21.60 |
| 32 T 1203 | 9 | . 31 | 1.40 | 25.20 |
| 32 T1204 | 10 | . 35 | 1.80 | 28.20 |

polystyrene roos,
TUBES ANO SHEETS


Feature high dielectric strength. dimensional stability Low loss, arc-resistance, and insulating properties. Moisture proof. Easily sawed, drilled and tapped. Sheets and rods are transparent, tubing satin finish.

POLYSTYRENE SHEETS

| Stock Mo | Sire Thick Inch Jnch | Shps. WL. | Net Each |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | 1.9 | 10.49 |
| 13 T 5101 | 12x12 \% | 802 | 4.07 | 3.66 |
| 13 T 5102 | $12 \times 12$ \% | 1002. | 4.70 | 4.23 |
| 13 T 5103 | 12x12 1/6 | 1201. | 5.39 | 4.85 |
| 13 T 5104 | 12x12 \% | 1 lb . | 7.01 | 6.31 |
| 13 T 5105 | $12 \times 12$ 1/4 | $12 / 2$ | 7.99 | 7.19 |
| 13 T 5106 | $12 \times 24$ \% | 1 lb . | 7.64 | 6.88 |
| 13 T 5107 | 12x24 3/12 | 11/a lb. | 8.97 | 0.07 |
| 13 T 5108 | $12 \times 24$ 1/6 | $11 / 2 \mathrm{lb}$. | 10.29 | 9.26 |
| 13 T 5109 | 12×24 \% | 2 lbs. | 12.89 | 11.60 |
| 13 T 5110 | $12 \times 24$ \% | 3 lbs | 15.34 | 13.81 |
| 12* | POLYST | REN | ROOS |  |
| Stock Mo. | $\begin{aligned} & \text { Size } \\ & \text { x Diam. } \end{aligned}$ | Shpg. Wt. | $\begin{aligned} & \hline \text { Net } \\ & 1.9 \end{aligned}$ | $\begin{gathered} \text { Each } \\ 10.49 \end{gathered}$ |
| 13 T5111 | $12^{\prime \prime} \times 1 /{ }^{\prime \prime}$ | 202. | . 03 | . 02 |
| 13 Y 5112 | $12^{\prime \prime} \times$ \%1" | 302. | . 07 | . 06 |
| 13 T 5113 | $12^{\prime \prime} \times 1 /{ }^{\prime \prime}$ | 502. | . 12 | . 11 |
| 13 T 5114 | 12"x\%" | 602. | . 18 | . 16 |
| 1375115 | $12^{\prime \prime} \times 1{ }^{\text {c/ }}$ | 602. | . 25 | . 22 |
| 13 T 5116 | $12^{\prime \prime} \times 1 / 2^{\prime \prime}$ | 602. | . 47 | . 42 |
| 13 T 5117 | 12"x5/80 | 802. | . 71 | . 64 |
| 13 T 5118 | $12^{\prime \prime} \times 3 / 4{ }^{\prime \prime}$ | 802. | . 98 | 88 |
| 1375119 | 12'x ${ }^{\prime} / 6^{\prime \prime}$ | 802. | 1.39 | 1.25 |
| 13 T5120 | $12^{n} \times 1$ " | 802. | 1.86 | 1.67 |

12" POLYSTYRENE TUBES

| Stock No. | O.D. | 1.D. | Shig. Wt. | $\begin{gathered} \text { Net } \\ 1.9 \end{gathered}$ | $\begin{aligned} & \text { Each } \\ & 10-49 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 13 T 5121 | $1 / 4{ }^{\prime \prime}$ | $1 / 6$ | 202. | . 10 | . 09 |
| 1315122 | K0" | 大" | $3 \mathrm{oz}$. | . 14 | . 13 |
| 13 T 5123 | 34" | $1 /{ }^{\prime \prime}$ | 3 oz. | . 18 | . 16 |
| 13 T 5124 | 1/2" | \%" | 302. | . 25 | 22 |
| 13 T 5125 | $5{ }^{\text {\% }}$ | $1 / 2{ }^{\prime \prime}$ | 402. | . 31 | . 28 |
| 13 T 5126 | 3/4" | 5\%* | 502. | . 39 | . 35 |
| 13 T 5127 | 1 1" | 7/8" | 602. | . 55 | . 49 |

## PDLYSTYRENE CEMENT <br> AND COIL DOPE



## CRIMPING TOOL AND TERMINALS

- Wire Cutter, Wire Stripper
- Includes Assortment of Terminals

$O M$New! A complete
crimp tool kit for home, shop. Solderless terminal crimp tool cuts any size wire up to 10 gauge. strips wire easily with cleany marked gauges. Crimps terminals quichly with precision tooled crimping dyes. Easy to use with comfortable insu lated handles. Complete with plastic box of assorted solderless terminals and connectors. Imported.
13 I 7000 Shpg. wt., 1 lb.
Net 2.19

Handy assortment of 48 solder luF terminal strips with 8 of each type from 1 thiru 6 lugs. Shpg. wt., 12 oz . Imported.
99 T 6111
Net 1.29

# Variable Condensers and Accessories 

variable condensers


2 gang. Front section 27 plates with capacity of 10.5 mmf to 365 mmf ; rear section plates with capacity of 7.6 mmf to 132 mmf individual trimmers on each section. End plates of RF section slotted for easy tracking. $180^{\circ}$ rotation. Capacity increases counter clockwise, $1 / 4^{\prime \prime}$ diam. brass shaft, mounted on ball-bearings, extends 1 var" from cadmium plated steel frame, Frame size: 1 K/o $\mathrm{Dx} 11 / 2 \mathrm{~W} \times 1 \mathrm{~K}_{0} " \mathrm{H}$. Standard mounting holes front and rear. Brass contact wiper, For superhet circuits with 455 KC IF. Shog. wt.. 10 oz .
32 T 1101

$$
\text { ith } 455 \text { KC IF, Shog. wt.. } 1002 .
$$

## 2 GANG TRF

Same construction as above but each gang has 23 plates. Maximum capacity each section 365.7 mmi. minimum 10.3 mmf . Frame size $2 \mathrm{~K}_{6} \mathrm{D} \times 1^{11} \mathrm{~K}_{6} \mathrm{~W} \times 1 \mathrm{H}^{\prime} \mathrm{H}$. Shpg. wt., 10 qZ . 32 T 1102

## MIDGET 1 GANG TRF

Similar in construction to above but single gang with capacity from 10 to 365 mmf . Size 1\%,0x1\%。Hx1\%"W. Shpg. wt., $50 z$. 32 T 1103 Net 95

## LAFAYETTE VARIABLE TUNING CONDENSER FOR CB \& 10 胸ETER RIGS

- Used in Famous Lafayette HE-20A and HE-15A Transceiver A single ganged. variable tuning condenser offering unlimited possibilities to the experimenter, ham, and nobbyist in building citizen Band Transceivers and 10 Meter rigs. This condenser is used by lafayette engineers in their famous HE-20A and HE-15A rransceivers. The unusually fine vernier action of the tuning shaft allows for the very precise adjustment needed to select the closely alloted channels of the 27 MHz Citizen's Band frequencies. Rotates thru a full $180^{\circ}$. Single ganged, having a shaff witt: an overall length of $11 /$ inches. $^{\text {c }}$ Can be lop or front panel mounted. Well constructed with a minimum capacity of 6.5 mmf , and a maximum capacity of 13 mmf . Dimensions $1 K_{0} \times K_{1} K_{6} x^{1} K_{0}$ inches excluding shaft. Shpg. wt., 3 or.
32 T 0917 $\qquad$ Net 1.95



## MICA TRIMMERS AND PADDERS

Base of low-loss ceramic. $1 / 2 \times \mathrm{x} 3 / 4 \mathrm{x}$ $56{ }^{\text {" }}$ in size. $13 / \mathrm{s}^{\prime \prime} \mathrm{mtg}$ ctrs. Capac. Ity ranges derived from 3 turns open to tight setting. Av. shpg. wt., 2 or,

| Stock No. | MMF | $\begin{aligned} & \text { Each } \\ & 1.24 \end{aligned}$ | Each 25.99 |
| :---: | :---: | :---: | :---: |
| 34 T 6829 | 2-30 | 33 | 30 |
| 34 T6830 | 4-80 | 33 | 30 |
| 34 T 6831 | 9-180 | 39 | 35 |
| 34 T6832 | 25.280 | 45 | . 40 |
| 34 T6833 | 45-380 | . 51 | . 46 |
| 34 T 6834 | 70-480 | . 57 | 51 |
| 34 T 6835 | 100-580 | . 63 | . 57 |

(B)

Brass couplings ( $A$ ) and extenders ( 8 ). Diameter of extender or coupling may be equal to, greater than, or less than diameter of shaft extended. Extender shaft length, 5sh"; over-all length $11 \mathrm{sm}^{m}$. Average shpg. wt., 402. All are couplers except owhich are exlenders. Stock No.
32 T6412
$32 T 6414$
32 T6415.
32 T6416*

| Size | Each |
| :---: | :---: |
| $1 / 4 \times 2 / 4{ }^{\prime \prime}$ | . 22 |
| 1/4 $\times 3$ /6" | 22 |
| 36x 3 ¢ ${ }^{\text {c }}$ | . 22 |
| $1 / 4 \times 1 / 4{ }^{\prime \prime}$ | . 35 |
| $3 / 8 \times 1 / 4{ }^{\prime \prime}$ | . 35 |

$\frac{\pi}{\square}$

## panel bearing assembly

Use with rigid or flexible coupling when mounting. For up to K" panels. Av. shpg. wt. 602
32 " $64053^{\prime \prime}$ long. $14^{\prime \prime}$ shaft
32 T $64066^{\prime \prime}$ tong, $1 / 4^{\prime \prime}$ shaft
32 T 6407 Bearing only

## EXTENSION RODS

For $1 / 44^{*}$ dia. extensfons. Av. shpg. wt., 402.
32 T $6408-6^{\circ}$ Brass
32 I 6409 - $6^{\circ}$ Phenolic
32 † $6410-12^{\prime \prime}$ Brass
32 call-122 Pemanole


## DIAL CORD

Handy spools of pre. stretched nylon diai cord in sizes that cover almost all replace. ment needs. Breaking strength med. is 35 lbs., std. 20 lbs ., thin 15 lbs . Average shog. wt., 5 or.

Type Dia. No. $100^{\circ}$ Net Ne. $25^{\circ}$ Met | Med. | $.040^{\prime \prime}$ | 32 T 8018 | 2.60 | 32 | $T^{8021}$ |
| :--- | :--- | :--- | :--- | :--- | :--- |





TYPE HF
Single section tuning employing "APC" rotor and stator design-ideal for critical high freq. circuits. Isolantite insulation. Air gap is $0.015^{\prime \prime}$ nominal.

| Stock Mo. | Mfg's Type | Rlax. | MMF | Met |
| :---: | :---: | :---: | :---: | :---: |
| 2881 | HF15 | 17.5 | 2.8 | 0 |
| 40 r 2882 | HF35 | 36 | 3.2 | 1.40 |
| 40 r 2883 | HF50 | 42. | 3.7 | 1.60 |
| 40 T 2884 | HF100 | 102. | 5.3 | 1.80 |
| 40 T 2885 | HF140 | 142. | 6.3 | 1.95 |

## TYPE HFA

Similar to "HF" except very desirable for high frequency low-power applications. Single hole or base mounting. $X_{0} x^{1 / a^{\prime \prime}}$ round shaft. 7 \% 32 thread $\times 2 / 4 / 4$ bushing.

| 84 |  | 16 | 2.8 | 2.20 |
| :---: | :---: | :---: | :---: | :---: |
|  |  | 25 | 3.0 | 0 |
| 40 T 2843 | HFA | 50 | 4.3 | 2.50 |
| 40 T 2844 | HFA. $100-\mathrm{B}$ |  |  |  |



## TYPE APC

Compact, high quallty. Has high leakage resistance, and resistant to temperature, moisture, and vibration effects. Straight line capacitance. Hex collar on siotted shaft for rotor and screw-driver adjustment. Air gap is $0.015^{\prime \prime}$ nominal. Shpg. Wt., 402.



## TYPE MAPC

About half the weight and size of the APC, but with the same quality and performance. Excellent for VHF use. Slotted shaft for screwdriver or hex wrench adiust. Nom. air gap 00135". Size $\left.\%_{2} \mathrm{Wx}^{13}\right\}_{6}{ }^{\prime \prime} H$, Shpg.wt., 4 oz. Serles MAPC (Screwdriver Slot)

| Stock No. | Mfrs. Type | Max. Mmf. | Min. Mmf. | Net |
| :---: | :---: | :---: | :---: | :---: |
| 40 T 2863 | MAPC- 15 | 15 | 2.3 | . 00 |
| 40 T 2864 | MAPC-25 | 25 | 2.6 | 1.05 |
| 40 T 2865 | MAPC-35 | 35 | 2.9 | 1.10 |
| 40 T 2866 | MAPC. 50 | 50 | 3.2 | 1.15 |
| 40 T 2867 | MAPC. 75 | 75 | 3.9 | 1.20 |
| 40 T2868 | MAPC. 100 | 100 | 4.5 | 1.30 |
| Series MAPC-8 ( $1 / 2$ " Shaft) |  |  |  |  |
| 40 T 2669 | MAPC-158 | 15 | 2.3 | 1.00 |
| 40 T 2870 | MAPC-25B | 25 | 2.6 | 1.05 |
| 4012871 | MAPC. 358 | 35 | 2.9 | 1.10 |
| 40 T 2872 | MAPC. 508 | 50 | 3.2 | 1.15 |
| 40 T 2873 | MAPC-758 | 75 | 3.9 | 1.20 |
| 40 T2874 | MAPC-1008 | 100 | 4.5 | 1.30 |



Dials - Knobs


VERNIER LOGGING DIALS

Precision planetary drive vernier dials with approximately 7 to 1 rallo. Ideal for test equipment, calibration instruments, amateur equipment, etc. $1 / a^{"}$ diam. shaft extending from cear may be easily coupled to another drlve shaft. Type A has framed wire hair line, type $B$ has pointer. All with 1 log scale and blank scales. Fluted knob. Imported.

| STOCK NO. | FIC. | SCALE <br> WIDTH | $\begin{aligned} & \text { LOG } \\ & \text { SCALE } \end{aligned}$ | $\begin{aligned} & \hline \text { BLANK } \\ & \text { SCALES } \end{aligned}$ | SIZE OVERALI | SHP. WT. | $\begin{aligned} & \text { NET } \\ & \text { EACH } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 99 T 2566 | B | 41/4" | 0-180 | 5 | $5 \times 3 \times 11 / 2$ | 1302. | 2.59 |
| 99 T 2567 | A | $6^{\prime \prime}$ | 0-200 | 6 | $67 / 6 \times 41 / 2 \times 2$ | 1 lb . | 2.99 |
| 9972568 | A | $7 \mathrm{Va} \mathrm{\prime}$ | 0.200 | 6 | $81 / 2 \times 53 / 4 \times 24 / 4$ | $12 / 2 \mathrm{lbs}$. | 3.55 |



Precision planetary drive vernier dials with approximately 8 to 1 ratio. Mounts on panel surface and has accurately centered metal inserts for $1 / 4^{\prime \prime}$ shafts. Mefal dials are brushed silver finish with deeply etched and black filled engraving to provide maximum legibillty even under poor lighting conditions. Reads counter-clockwise 0 to 100 in $180^{\circ}$. Uses tough scratch resistant fluted molded knob and housing for sure grip. Phosphor bronze and brass utilized for internal parts. Imported. Shpg. wt., 8 ozs.
99 T 6031 Fig. E $36 \mathrm{MM}\left(11 / 2^{\prime \prime}\right)$ Diameter Vernier Dial, "xo" from front to back 99 T 6030 Fig. D 50MM (2") Diameter Vernier Dial, $1^{* *}$ from front to back

Net .89 99 T 6029 Fig. C 70MM ( $2 \%{ }^{\prime \prime \prime}$ ) Diameter Vernier Dial, $1^{1 / s^{\prime \prime}}$ from front to

Net . 99

VERNIER DIAL MECHANISM
NATIONAL BALL REDUCTION DRIVE FOR PRECISE TUNING

MATCHED KNOB KITS

- Molded From Hi-Impact Plastic
- Brass Screw and Shaft Insert
- For $1 / 4^{\text {- }}$ Round or Flat Shaft


KIT of 5 as low as 69c

Trim distinctive, functionally styled knobs. Finished in an aftractive steel gray and molded from tough hi-impact plastic, the knob is of cylinder design with sure-grip fluted sides and an aluminum ring-set in a recessed face. Rugred brass screw and mounting shaft insert will accept $1 / 4^{*}$ round or flat shaft. Each kit contains 5 knobs-all same size. Imported. Shpg. Wt., 7 ozs. 17\%" Diam., 7/8" Deep Kif of 5 99 T 6114 $\qquad$ Net .89 17 " Dlam., $11 / 16^{\circ}$ Deep Kit of 5 99 T 6115 $\qquad$ Net. 79
$1^{\wedge}$ Diam., 11/16" Deep Kit of 5
99 T 6116 Net 69

## MINIATURE KNOBS

Plastic knob, only $5 / 6^{\prime \prime}$ diameter fits $1 / \mathrm{s}^{" \prime}$ shafts, for miniature components such as ferri-loopstick, sub-miniature pots, etc. Avg. shpg. wt., 402.

32 T 2405 Walnut Net .12 32 T 2401 Ivory Net .13

## FLUTED KNOBS



Black fluted knobs, with and without skirt. Made of thermosetting plastic with high gloss finish. All have recessed brass insert and sel screw. Mount on $1 / 4^{\prime \prime}$ round or flatted shaft. Shpg. wt., 4 ozs.

Net Each

| Stoct No. | Fig. | Diam. | ght. |  | 5-99 | $499$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 T 2406 | A | 146" | 588" | . 26 | . 23 | 20 |
| 32 T 2407 | A | 176" | 'K0" | . 27 | . 23 | 20 |
| 32 T 2408 | A | 15/" | 7/4" | . 31 | . 27 | 23 |
| 3272409 | - | 112" | '\%" | . 44 | . 39 | 33 |
| 32 T 2410 | $B$ | 2)6" | 7\%2 | 54 | . 49 | 4 |



## STANDARD PLASTIC KNOBS

Plastic knobs with knurled bodies for gen. eral application. All have molded hole with set screw for mounting $1 / 4^{-}$round or flatted shafts. Fig. P has white indicator lines. Av. shpg. wt., 4 ozs.

| Stock No. | Fig. Diam. | Color | Net Each |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 1.24 | 99 | 499 |
| 32 T 2417 | M 1* | Walnut | . 13 | . 11 | 10 |
| 32 T 2416 | M 1- | Black | . 12 | . 11 | 09 |
| 32 T 2420 | P 11/2* | Black | . 16 | . 14 | 12 |
| 32 T 2421 | P 29/32* | Black | . 15 | . 13 | 11 |
| 32 T 2422 | N $3 / 4{ }^{\circ}$ | Maroon | . 11 | . 09 | 08 |

Molded of Tenite with easy grip knurling. These knobs are $1.7 / 1 /$ "" over-all diameter with chrome-plated bevel shirts. Depressed numerals are black enamelled on chrome plate. Designed to fit $1 / 4^{\prime \prime}$ shafts.
Numbered 0.10 through an arc of $300^{\circ}$ clock. wise. Imported. Shpg. wt., $14 \mathbf{0 2 .}$
99 T 6105
Lots of 6
To Speed Your Mail Order - Please Give Your Zip Code Number

# Miniature Components 

## TRANSISTOR MMNIATURE 2 GANG

 SUPER-HET VARIABLE CONDENSERLightweight-both the frame and plates are aluminum. Smooth ball bearing action over entire $180^{\circ}$ rotation, Bakelite stator insulation. Capacity of 11 plate R.f. section is 6.3 to $123.1 \mathrm{mmfd} ; 9$ plate oscillator section is 5.7 to $\mathbf{7 8 . 2}$ mmf . Effective range of trimmers 15 mmf . These add 2 mmf to minimum capacity. Capacity increases in counter clockwise direction. Flatted shaft, $1 / 4^{\prime \prime}$ diameter by $11 / a^{\prime \prime}$
 32 T 1106

Net 1.31

## TINY TUNING CONDENSER-with DIAL



- 385 MMF. ONLY $\mathbf{I N S}^{\prime \prime}$ SQUARE, Ke" DEEP - POLYETMYENE DIELECTRIC FOR TRANSISTOR Í MINIATURE A now "Poly-Varl-Con" model for use in TRF broad. CIRCUITS cast-band and experimental receivers. Complete with
good-looking clear plastic tuning dial with calibrations from 530 to 1600 KC. Capacity variable from 10 to 365 mmf . Knurled dial is $11 / 4^{\prime \prime}$ diam.; rotation is $180^{\circ}$. Dial is mounted to condenser shaft by $\mathrm{K}^{\prime \prime}$ diam. chrome-piated threaded retainer. Imported.
39 T 6217 Shpg. wt. 502.
Net .58


TRANSISTOR POTENTIOMETERS

## REPLACEMENT 5,000 OHM VOLUME CONTROL FOR

 JAPANESE TRANSISTOR RADHOSA volume control with the proper resistance dimensions and mounting for re. placement in thou
$59^{\circ}$ sands of Japanese
For Sub-Miniature Circuits Versatlie carbon controls for audio, tone and similar applications; specially designed for Transistor and Sub-miniature circuits. Only 5 " diameter. Shaft $1^{\prime \prime}$ long $1 / e^{\prime \prime}$ diameter. Shaft easily cut to desired length, inciudes nut and lock washer. Shpg. wt., 2 oz.

## WIThOUT SWITCH

32 T 7354 1Kohms 32 T 7359 50K ohms 32 T 7355 5K ohms 32 T 7360 1/2 Meg 32 T 7356 10K ohms 32 T 73611 Meg

Any of above
Net ea. . 59
32 T 2405 Minlature Knob s/so Diam. Net . 12

## WITH S.P.S.T. SWITCH

Versatlle Sub-Miniature Controls with S.P.S.T. switches are rated 1 amp at 20 Volts, $1 / a \mathrm{amp}$ at $671 / 2$ Volts. Control was especially designed for Transistor and Sub-Minlature applications; Bushing $1 / 4^{\prime \prime}$ diameter and $1 /{ }^{\prime \prime}$ long, includes nut and lock washer. Only $3 / 4^{\prime \prime}$ diameter ${ }^{2} / /^{\prime \prime}$ " deep, shaft $K_{0}{ }^{" \prime}$ diameter, $l^{\prime \prime}$ lone. Shaft can be cut to desired length. 32 T 7362 1Kohms 32 T 7367 50M ohms 32 T 7363 5K ohms 32 T 7368 1/2 Meg. 32 T 7364 10K ohms

Any of sbove
Net ea. . 79 32 T 2405 Miniature Knob $5 / \mathrm{g}^{\prime \prime}$ Diam. Net . 12


## SUB-MINIATURE

 VARIABLE RESISTORS
## SIzE- W" Dia. W" Thick 39c each

Carbon composition potentiometers built for the most compact installations. Ideal for printed circuits. Shpg. Wt., 2 0z. Imported 99 T 61421000 ohms 99 I 61435 K ohms, 99 T 6144 10K ohms, 99 T 614550 K ohms, 99 T 6146500 K ohms Any of above

Net ea. 39

5,000 ohms potentiometer with S.P.S.T switch. Only 5/8" dia., $1 / 2^{\prime \prime}$ total depth. Easily installed in printed circuits. Comes with ${ }^{1} \mathrm{~K}_{0}$ dia. knob Shpg. wt., 2 ozs. Imported 99 T 6019

Net .58

## FERRITE ANTENNA CORES

Now you can wind your own ferrite roo an-tenna- to fit your own particular tength, width and $Q$ requirements. A real boon to the experimenter - builder - small lab. design engineer. A necessity in attempting receiver miniaturizatlon. Easily cut to any size required. Avg. shpg. wt., 4 oz.

$7 / 41$ stranded per 100 ft . Shpg. wt., $80 z$ 32 T 1485 Belden $\$ 8817$

## transistor oscillator coil

Popular broadcast frequency transistor os. cillator for replacement purposes as well as for the hobbyist and experimenter. Inductance is $248 \mu \mathrm{~h}$ and used with a tuning capacitance of 78 mmf . Size $1 / 2^{\prime \prime} \times 1 / 2^{"} \times 55^{5}$ " Shpg. wt. 4 oz.
32 Tr 5548 Meissner 14.9006
Net 4.80

## 摆ASONITE BREADBOARD

- Ideal for Kit Buiders

Tempered masonite board with holes spaced $1 / 2^{\prime \prime}$ part to facilitate mountine of parts. Size $72 / 2 x$ $112 / 3 \times 16^{\prime \prime}$ thick. Holes $1 / 4^{\prime \prime}$ diam. Shpg. wt., 1202 19 T 1701
high gain across complete AM broad cast band from 540 to 1600 KC when tuned with standard 365 mmf tuning condenser. A. VARIABLE TYPE. An extremely small yet very powerful replacement antenna with a " 0 " of 240-275. Boosts sensifivity and signal to noise ratio. With adjustable ferrite core for maximum peaking efficiency and precise tracking on entire broadcast band. Single, hole snap-in mounting, plus bracket. Efficient at any angle. $21 / 4 \times 1 / 4{ }^{\prime \prime}$
32 T 4106 wt., 4 oz. In lots of 10, Each . 36 Singly, Each . 39
B. ENERGIZED FERRI-LOOPSTICK. NEW 5* ferrite rod loopstick antenna with a "Q" of up to 350. Extremely high gain brings in even distant stations not normally received. Adjustable coil with self-locking vinyl collar permits peaking antenna for super sen sitive results. $36 \times 5^{\prime \prime}$. Shpg, wt., 6 oz .
32 T8201
Net 98
C. 7" SUPER LOOP. Super sensitive ferrite loopstick antenna with a " $Q$ " of up to 425. Excellent for replacement of old style loops. Brings in even hard to get stations. Adjust. able for maximum sensitivity over length of 7 in . Complete with mount.
32 T 8202 Shpg. wt., 6 oz.
Net 1.35

## TRANSISTOR TAPPED VARIABLE <br> ANTENNA COIL



## - BOOSTS SIfNAL PICXUP

## - SUPER-SELECTIVE!

Specially designed for matching the low input impedance of transistors. Maximum transfer of signal energy from tuning stage when used with 365 to $420 \mu \mu \mathrm{~F}$ variable capacitors, as well as in minimum loading by first transistor stage for sharper tuning and greater selectivity. Nighly sensitive with a " $Q$ " of up to 250. With adjustabie ferrite core for maximum peaking. Singlehole snap-in mounting, plus bracket. Efficient at all angles. Size: $2 x \geqslant{ }^{\prime \prime}$ diam.
32 T 4108 Shpg. wt., 402 ............. Net
.99

## FERRITE ANTENNA KIT

- 3 ANTENMAS FOR

TRANSISTOR AADIOS AH three
HIGH "Q"FOR TOP for
RECEPTION


Lafayette's kit of 3 miniature adjustable loopsticks pull in those distant radio sta tions with amazing ease and clarity. Has set-screw adjusting slug to obtain maximum loudness. May be installed in any position. Complete with instructions. Imported.
99 T 6311 Shpg. wt., 8 02. -Set of 3 Net . 89

# Miniature Coils-Experimenters Cases 



## MINIATURE IF TRANSFORMERS ANO OSCILLATOR COILS

Slug-tuned printed circuit mounted miniature If transformers. All have 455 KC Intermediate frequency. Each with schematic
 and pin contacts. Ideal replacements for Japanese transistor radios. Shpg. wt., 6 oz. Imported.
Ali Units only $\mathrm{Hb}_{8} \mathrm{sq}$ Sq and K8" Migh.
99 T 6300 oscillator coll Inductance $270 \mu \mathrm{~h}$. 99 T 6301 lst IF: pri. 70,000 ohms, sec. 1500 ohms.
99 I 6302 2nd IF: pri. 50,000 ohms, sec. 1000 ohms.
09 I 6303 3rd IF: pri. 30,000 ohms, sec. 5000 ohms.
Any of above
Net ea. . 59

## SUB-MINIATURE TRANSFORMERS ONLY K Ko" SQ. AND \%/B" HIGH

Ideal for housing small electronic de vices.

BAKELITE UTILITY CASE WITH ALUMINUM PANEL

## $\% 59$

 electronic de vices Sturdy bakelite jox features smootn rounded corners and recessed brass inserts for screw mounting of aluminum panelComplete with hardware. Imported.

| Stock No. | Size | Wet ea. |
| :---: | :---: | :---: |
| 99 T 8077 |  | . 59 |
| 99 T 8078 | $4^{*} \times 22^{\prime \prime} \times 1 \%{ }^{\circ}=$ | . 69 |
| 9918075 | $51 / 8^{\prime \prime} \times 21 /{ }^{\prime \prime} \times 156$ | . 79 |
| 99 T 6272 |  | 1.09 |
| 99 T 8076 |  | 1.49 |

## PLASTIC CASES for MINIATURE ELECTRIC GEAR - 1 PY,

Clean, polystyrene cases. Ideal for miniature assemblies. All have ball type hinged covers except *, which have removable covers. Ayg. shpg. wt, 6 oz .

| Stock No. | Size LxWxH" | Net |
| :---: | :---: | :---: |
| 13T3001 | $156 \times 21 / 8 \times 1^{\prime \prime}$ | . 12 |
| 13 I 3802 | 27/0x13/ ${ }^{1 \prime}$ | . 14 |
| 13 T 3803 | $27 / 6 \times 2 \times 1$ " | . 16 |
| 13 T 3804 | $35 \times 2588 \times 1$ " | . 19 |
| 13 T 3805* |  | . 21 |
| 14 T 4001 | $74 / 2 \times 5 \times 142^{\prime \prime}$ | . 89 |
| $14 T 6606$ | $43 / 4 \times 2581{ }^{\prime \prime}$ | . 30 |
| $1414401 *$ | $4^{1} \mathrm{~K}_{6} \times 3 \mathrm{~K}_{6} \times 1 \mathrm{~L} \mathbf{4}^{\prime \prime}$ | . 32 |
| $14.4402 *$ | $5 \times 51 / 4 \times 1 \%^{\prime \prime}$ | . 37 |
| $1474403 *$ | $53 / 4 \times 9 \times 1 \%_{6}^{\prime \prime}$ | . 3 D |
| 14 T4002 | $37 / 8 \times 31 / 8 \times 1 /{ }^{1 / 8}$ | . 20 |

NATIONAL RF CHOKES
wound on ceramic forms except R33, R50 and R60 series on bakelite. All have funzus resistant varnish coat. Type R33 is 2 section, R50 are 3 and 4 section. Types with $t$ mounted on fixed standoff insulator. Types ending in $U$ have removable standoff. Av. Shpp. wt. 2 to 6 oz .


- Integrated Enclosure And Heat Sink


Made of alreraft alloy aluminum, drills and machines beautifully. Patented lock-joint corners tighten under stress. Six flat parts assemble easily with screwdriver; 2 finned sides have $.100^{\prime \prime}$ max. wall for use as heat sink; 2 plain sldes have . $040^{\prime \prime}$ wall. Strong and rigid, will withstand 2 -tons. Easlly mounted above of below chassis. Avg. Shpg. wt., 2 lbs.

| Stock No. | $L \times W \pm H$ | Met |
| :--- | :--- | ---: |
| 19 Y 2200 | $2^{\prime \prime} \times 2.6^{\prime \prime} \times 2^{\prime \prime}$ | .83 |
| 19 Y 2201 | $3^{\prime \prime} \times 26^{\prime \prime} \times 2^{\prime \prime}$ | 1.03 |
| 19 Y 2202 | $42^{\prime \prime} \times 2.6^{\prime \prime} \times 2^{\prime \prime}$ | 1.33 |
| 19 T 2203 | $6^{\prime \prime} \times 2.6^{\prime \prime} \times 2^{\prime \prime}$ | 1.63 | 19 T $2203-1.63$

Identical to above but with all sides plain, none tinned.

| 19 Y 2204 | $2^{\prime \prime} \times 2.6^{\prime \prime} \times 2.6^{\prime \prime}$ | .06 |
| :--- | :--- | ---: |
| 19 Y 2205 | $3^{\prime \prime} \times 2.6^{\prime \prime} \times 2.6^{\prime \prime}$ | 1.05 |
| 19 Y 2206 | $42^{\prime \prime} \times 2.6^{\prime \prime} \times 2.6^{\prime \prime}$ | 1.20 |
| 19 T 2207 | $6^{\prime \prime} \times 2.6^{\prime \prime} \times 2.6^{\prime \prime}$ | 1.65 |

## BAKELITE CASES bakelite panels

| Ideal for equipmen electronic black pounded cessed th for mou Walls 1/b羠" thick wt., 11 oz. | uliding test and small devices. All ellte with ners and readed inserts ing panels. Panels are Avg. shpg. |  |  |
| :---: | :---: | :---: | :---: |
| Stock No. | Size |  |  |
| 19 T 2001 | $61 / 4 \times 374{ }^{\prime \prime} \times 2^{\prime \prime}$ | . 65 | . 59 |
| 19 I 3701 | Panel for above | . 45 | 41 |
| 19 T 2002 | $6314 \times 51 / 4 \times 21 / 4^{\prime \prime}$ | . 84 | 76 |
| 19 T 3702 | Panel for above | . 60 | . 54 |
| 19 T 2003 | $83 / 8 \times 73 / 4 \times 30$ | 1.59 | 1.43 |
| 19 T 3703 | Panel for above |  | 69 |

## EXPERIMENTERS BONANZA!



## PRINTED CIRCUIT TRANSISTOR COMPONENT BOARDS

Manufactured for Famous Brand Computer PACKAGE OF 3 BOARDS

## CONTAIN

APPROX. 12 TOP GRANO TRANSISTORS
MANY $1 \%$ TOLERANCE RESISTORS...
MANY 5\% TOLERANCE RESISTORS...
GLASS AND MOLDED DIODES...

## plus

TOP QUALITY, PRECISION TOLERANCE ASSORTED CAPACITORS
Each package contains 3 assorted boards. Each board approx. $3 \% \times 2 \%{ }^{\prime \prime}$. Shpg. wt., 802.

19 T 4902 Package of 3 Boards Net 99

# Potter \& Brumfield Relays 

## POWER TYPE RELAYS

MR SERIES - Medium duty general-purpose relays for small motors, transmitters, efc. Y/3" silver con tacts rated 8 amps, except * rated 10 amps. AC coils draw 3.25 VA ; DC 1.6 Watts. Mounting: two sta $^{\prime \prime}$ dia. holes on $21 / 4^{\prime \prime}$ centers for MR $3 \& 11$, $2 \%^{\prime \prime \prime}$ centers for MR 5 \& 14. Size: SP types -
 $-2 \times 2 K_{1} \times 2^{31} / z_{2}^{\prime \prime}$. Shpg. wt., 802.

| Stock No. | Type | Coil Volts | Arrangement | 1.24 | $\begin{gathered} \text { Net Eac } \\ \mathbf{2 5 . 5 0} \end{gathered}$ | $51.99$ | $\begin{aligned} & 100 \\ & 249 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 T 8501 | MR3A | 6VAC | SPST* | 4.30 | 4.09 | 3.87 | 3.01 |
| 30 T 8502 | MR3A | 24 VAC | SPST* | 4.30 | 4.09 | 3.87 | 3.01 |
| 30 T 8503 | MR3A | 120 VAC | SPST* | 4.30 | 4.09 | 3.87 | 3.01 |
| 30 T 8504 | MR3D | 6 VDC | SPST* | 3.90 | 3.71 | 3.51 | 2.73 |
| 30 T 8505 | MR3D | 12VOC | SPST* | 3.90 | 3.71 | 3.51 | 2.73 |
| 30 T 8506 | MR3D | 24 VDC | SPST* | 3.90 | 3.71 | 3.51 | 2.73 |
| 30 T 8507 | MR5A | 6VAC | SPDT | 3.85 | 3.66 | 3.47 | 2.70 |
| 30 T 8508 | MR5A | 12VAC | SPDT | 3.85 | 3.66 | 3.47 | 2.70 |
| 3018837 | MR5A | 24 VAC | SPOT | 3.85 | 3.66 | 3.47 | 2.70 |
| 30 T 8509 | MR5A | 120VAC | SPOT | 3.85 | 3.66 | 3.47 | 2.70 |
| 30 T 8510 | MR5A | 240 VAC | SPDT | 4.30 | 4.09 | 3.87 | 3.01 |
| 30 T 8511 | MR5D | 6VDC | SPDT | 3.55 | 3.37 | 3.20 | 2.49 |
| 30 T 8512 | MRSD | 12VOC | SPDT | 3.55 | 3.37 | 3.20 | 2.49 |
| 30 T 8513 | MR5D | 24VOC | SPDT | 3.55 | 3.37 | 3.20 | 2.49 |
| 30 T 8514 | MR11A | 6VAC | OPDT | 5.40 | 5.13 | 4.86 | 3.78 |
| 30 T 8515 | MRIIA | 24 VAC | DPDT | 5.40 | 5.13 | 4.86 | 3.78 |
| 30 T 8516 | MRIIA | 120VAC | DPDT | 5.40 | 5.13 | 4.86 | 3.78 |
| 3018517 | MR11A | 240VAC | DPDT | 5.85 | 5.56 | 5.27 | 4.10 |
| 30 T 8518 | MR110 | 6VDC | DPDT | 5.15 | 4.89 | 4.64 | 3.61 |
| 30 T 8519 | MR110 | 12VDC | DPDT | 5.15 | 4.69 | 4.64 | 3.61 |
| 30 T 8520 | MR110 | 24VDC | DPDT | 5.15 | 4.89 | 4.64 | 3.61 |
| 30 T 8521 | MR14A | 6VAC | 3PDT | 6.45 | 6.13 | 5.81 | 4.52 |
| 30 T 8522 | MR14A | 24 VAC | 3PDT | 6.45 | 6.13 | 5.81 | 4.52 |
| 30 T 8523 | MR14A | 120 VAC | 3 POT | 6.45 | 6.13 | 5.81 | 4.52 |
| 30 T 8524 | MR14A | 240 VAC | 3PDT | 6.85 | 6.51 | 6.17 | 4.80 |
| 30 T 8525 | MR140 | 6VDC | 3PDT | 6.10 | 5.80 | 5.49 | 4.27 |
| 30 T 8526 | MR140 | 12 VOC | 3 POT | 6.10 | 5.80 | 5.49 | 4.27 |
| 30 T 8527 | MR140 | 24VDC | 3PDT | 6.10 | 5.80 | 5.49 | 4.27 |

DUST CDVER FOR MR RELAYS Approx, size: $31 / 2 \times 21 / 2 \times 21 / 2^{\prime \prime}$. 30 T 8565 Shpg, wt., 1 lb


PR SERIES - For heavy duty industrial control use. Silver contacts rated at 25 amps . AC colls for 60 cps . All units UL and CSA listed. Approx. size PR3, PR5 PR7: $21 / 2 \times 21 / 4 \times 214^{\prime \prime \prime}$; Type PR11 $3 \times 24 / 2 \times 21 / 2^{\prime \prime}$. Avg. Shpg. wt., 1 lb

| Stock No. | Type | Coil Volts | arrange. ment | Net Each |  |  | $\begin{aligned} & 100 . \\ & 249 \\ & \hline \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | 1.24 | 25.50 | 51.99 |  |
| 30 T 8528 | PR3AY | 6VAC | SPST | 4.55 | 4.32 | 4.10 | 3.19 |
| 30 T 8834 | PR3AY | 12 VAC | SPST | 4.55 | 4.32 | 4.10 | 3.19 |
| 30 T 8530 | PR3AY | 120VAC | SPST | 4.55 | 4.32 | 4.10 | 3.19 |
| 30 T 8531 | PR3AY | 240VAC | SPST | 5.00 | 4.75 | 4.50 | 3.50 |
| 30 T 8835 | PR30Y | 12VDC | SPST | 4.55 | 4.32 | 4.10 | 3.19 |
| 30 T 8532 | PR3DY | 110 VDC | SPST | 5.25 | 4.99 | 4.73 | 3.68 |
| 30 T 8533 | PR5AY | 6VAC | SPOT | 4.80 | 4.56 | 4.32 | 3.36 |
| 30 T 8534 | PRSAY | 24VAC | SPDT | 4.80 | 4.56 | 4.32 | 3.36 |
| 30 T 8535 | PR5AY | 120VAC | SPDT | 4.80 | 4.56 | 4.32 | 3.36 |
| 30 T 8536 | PREAY | 240VAC | SPDT | 5.25 | 4.99 | 4.73 | 3.68 |
| 30 T 8537 | PR50Y | 110 VDC | SPDT | 5.45 | 5.18 | 4.91 | 3.8 |
| 30 T 8538 | PRTAY | 6VAC | DPST | 5.40 | 5.13 | 4.86 | 3.78 |
| 30 T 8539 | PR7AY | 24 VAC | DPST | 5.40 | 5.13 | 4.86 | 3.78 |
| 30 T 8540 | PR7AY | 120 VAC | DPST | 5.40 | 5.13 | 4.46 | 3.78 |
| 30 T 8541 | PRTAY | 240VAC | DPST | 5.90 | 5.61 | 5.31 | 4.13 |
| 30 T 8542 | PR70Y | 110 VDC | DPST | 6.10 | 5.80 | 5.49 | 4.27 |
| 30 T 8543 | PRIIAY | 6VAC | DPDT | 7.10 | 6.75 | 6.39 | 4.97 |
| 30 T 8544 | Prilay | 24 VAC | DPDT | 7.10 | 6.75 | 6.39 | 4.97 |
| 30 T 8545 | PRILAY | 120 VAC | DPDT | 7.10 | 6.75 | 6.39 | 4.97 |
| 30 T 8546 | Prilay | 240 VAC | DPDT | 7.65 | 7.27 | 6.89 | 5.36 |
| 30 T 8836 | PRIIDY | 24VDC | DPDT | 7.10 | 6.75 | 6.39 | 4.87 |
| 30 T 8547 | PRIIDY | 110VDC | DPDT | 7.75 | 7.36 | 6.9 | 5.43 |

## INOUSTRIAL CONTRDL RELAYS

KUP 14.55 SERIES—Reliable 10 ampere relay comes in a slotted flange case for direct to chassis mounting. Enclosed in clear, high impact plastic dust cover.
me Silver-cadmium-oxide contacts insure long life in continuous operation. Nominal coil power: AC units 2.75 VA ; DC units 1.2 watts. Approximate size: $11 / 2 x$ $11 / 2 \times 2^{\prime \prime}$. Fiange mounts on $2^{2 / 22^{\prime \prime}}$ centers. Shpg. wt., 02

| Stock No. | Type | Coll Volts | Arrangement | $\begin{aligned} & \text { Nef Esch } \\ & 25-50 \quad 51.99 \end{aligned}$ |  |  | $\begin{aligned} & 100 \\ & 249 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 T 8876 | KUP14A55 | 6VAC | 3P1 | 5.30 | 5.04 | 4.77 | 3.71 |
| 30 T 8877 | KUP14A55 | 12 VAC | 3 POT | 5.30 | 5.04 | 4.77 | 3.71 |
| 30 T 8878 | KUP14A55 | 24 VAC | 3PDT | 5.30 | 5.04 | 4.77 | 3.71 |
| 30 T 8879 | KUP14A55 | 120 VAC | 3PDT | 5.30 | 5.04 | 4.71 | 3.71 |
| 30 T 8880 | KUP14A55 | 240 VAC | $3 P D T$ | 5.70 | 5.42 | 5.13 | 3.99 |
| 30 T 8881 | KUP14D5 | 6VD | PDT | 4.90 | 4.65 | 4.41 | 3.43 |
| 30 T 8882 | KUP14055 | 12VDC | 3POT | 4.90 | 4.66 | 4.41 | 3.43 |
| 30 T 8883 | KUP14055 | 24VDC | 3PDT | 4.90 | 4.66 | 4.41 | 3.43 |
| 30 T 6884 | KUP14055 | 110 VDC | 3PDT | 5.30 | 5.04 | 4.77 | 3.71 |



RUP 14-15 SERIES-Similar in all respects to series KUP $14-55$ listed above, except that these are not flange mounted. The $187^{\text {r- }}$ terminals are of the quickconnect/solder type. Size $11 / 2 \times 11 / 2 \times 2^{\prime \prime}$. Shpg. wt., 5 oz. Optional sockets at the bottom of listing have terminals of the pierced solder type.

OUST COVER FOR PM RELAYS $3{ }^{1} \mathrm{~K}_{0} W \times 3{ }^{1} \mathrm{~K}_{0} H \times 5 \mathrm{~K}_{0}$ "L
30 T 8553 P \& B No. 350227 Shpg, wt., 6 oz. $\qquad$ Net 3.30
AB SERIES - For appliance and general purpose operations, Rugged and quiet DPDT silver contacts, rated at 10 amps . Mig.: 2-No. 8.32 tapped holes on $11 / 4^{\prime \prime}$ centers. Size: $11 x_{2 a} \times 11 K_{4} \times 3^{\circ \prime}$. Avg. shpg. Wt., 802.
TYPE AB11AY ANO ABIIO

| Stock No. | Type | Coll Volts | Arrange ment | et Each |  |  | $\begin{aligned} & 100 . \\ & 249 \\ & \hline \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | -24 | 25-50 | 51 |  |
| 30 T 8554 | AB11AY | 6VAC | DPDT | 5.85 | 5.56 | 5.27 | 4.10 |
| 30 T 8555 | Abllay | 24 VAC | DPDT | 5.85 | 5.56 | 5.27 | 4.10 |
| 30 T 8556 | abllay | 120 VAC | DPDT | 5.65 | 5.56 | 5.27 | 4.10 |
| 30 T 8557 | abliay | 240VAC | OPOT | 6.30 | 5.99 | 5.67 | 4.41 |
| 30 T 8558 | ABIID | 110 VOC | OPOT | 6.30 | 5.99 | 5.67 | 4.41 |

ABC SERIES - For small motors, industrial con. ABC SERIES - For small motors, industrial con-
trols and other medium power uses. DPOT silver contacts rated at 10 amps. With dust cover, snap on screw connectors. Mig.: $1-\mathrm{No}_{8} 8-32$ stud $3 \mathrm{~m}^{\prime \prime}$ long. Size: $1^{13} x_{1} \times 2^{23} 3_{2} \times 23_{2}{ }^{\circ N}$. $1 / 4^{N}$ dia. silver contacts. Shpg. wt., 12 oz .

## TYPE ABCIIAY ANO ABCIID

| Stock No. | Type | Coil Volts | Arrange ment | Ne? Each |  |  | $\begin{aligned} & 100 . \\ & 249 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | 1-24 | 25-50 | 51-99 |  |
| 30 T 8559 | ABCIIAY | 6VAC | DPDT | 7.05 | 6.70 | 6.35 | 4.94 |
| 3018560 | ABCllay | 24 VAC | DPOT | 7.05 | 6.70 | 6.35 | 4.94 |
| 30 T 8561 | ABCllay | 120 VAC | DPDT | 7.05 | 6.70 | 6.35 | 4.94 |
| 30 T 8562 | ABClilay | 240 VAC | DPOT | 7.50 | 7.13 | 6.75 | 5.25 |
| 30 T 8563 | ABCl10 | 110 VDC | OPDT | 7.50 | 7.13 | 6.75 | 5.25 |

PM POWER RELAYS - HEAVY OUTY 4PDT
TVPE PMITAY. Silver cad contacts 25 amps, $120 \mathrm{~V} ; 25$ amps at 240 V . $50 / 60$ cycle res. AC. 1 HP per arm 120 V 240 V AC, 1 phase. $2 \pi / 2 \mathrm{x}^{32} / \mathrm{w} \times 2^{4} \times \mathrm{m}^{\prime \prime}$. Shpg. wt., 1 lb . U/L and CSA listed.

| Stock No. | Type | Coll Volts | Arrangement | 1.24 | $\begin{aligned} & \text { Net Ed } \\ & 25.50 \end{aligned}$ | $51.99$ | $\begin{aligned} & 100 \cdot \\ & 299 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 T 8548 | PMITAY | 6 VAC | 4 PDT | 13.60 | 12.92 | 12.24 | 9.52 |
| 30 T 8549 | PM17AY | 12 VAC | 4 PDT | 13.60 | 12.92 | 12.24 | 9.52 |
| 30 T 8550 | PM17AY | 24VAC | 4 PDT | 13.60 | 12.92 | 12.24 | 9.52 |
| 30 T 8551 | PM17AY | 120 VAC | 4PDT | 13.60 | 12.92 | 12.24 | 9.52 |
| 30 T 8552 | PM17AY | 240VAC | 4 POT | 14.10 | 13.40 | 12.69 | 9.87 |



# Potter \& Brumfield Relays PLATE CIRCUIT AND SENSITIVE RELAYS 

GB SERIES - Sensitivity 115 mw for S.P.D.T 125 mw for D.P.D.T., and 275 mw for 4P.D.T Contacts rated at 5 amps. Pick-up not adjustable. Mtg.: No. 8-32 tapped core and locating boss.
 Shpg. wt., 6 oz.

| Stock No. | Type | Coll Ohms | Arrangement | Coil Ma. | $1.24$ | $\begin{aligned} & \text { Wef Each } \\ & 25-50 \end{aligned}$ | 51-99 | $\begin{aligned} & 100 . \\ & 249 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 T 8566 | GB5D | 2500 | SPOT | 6.8 | 3.80 | 3.61 | 3.42 | 2.66 |
| 30 T 8567 | GB50 | 5000 | SPOT | 4.8 | 4.00 | 3.80 | 3.60 | 2.80 |
| 30 T8568 | GB50 | 10000 | SPDT | 3.4 | 4.50 | 4.28 | 4.05 | 3.15 |
| 30 T 8569 | GB110 | 2500 | DPDT |  | 5.35 | 5.08 | 4.02 | 3.75 |
| 3018570 | GB110 | 5000 | OPDT | 5 | 5.45 | 5.18 | 4.91 | 3.82 |
| 30 T 8571 | GB11D | 10000 | DPDT | 3.53 | 6.10 | 5.80 | 5.45 | 4.27 |
| 30 T 8572 | G8170 | 2500 | 4 PDT | 10.5 | 6.40 | 6.08 | 5.76 | 4.48 |
| 30 T 8573 | G8170 | 5000 | 4 PDT | 7.4 | 6.55 | 6.22 | 5.90 | 4.59 |
| 30 T 8574 | GB170 | 10000 | 4PDT | 5.25 | 7.05 | 6.70 | 6.35 | 4.94 |

LM SERIES. High quality plate circuit relays with sensitivity of 100 mw . for single pole. (SP) 200 mv for OP. Adjustable pick-up. Silver contacts rated at 5 amps. $120 \mathrm{~V}, 60 \mathrm{cps}$. Action: LM5's are SPDT: LM11's, DPDT, Mtg.: 2-No. 632 iapped holes on $1^{\prime} K_{0}^{\prime \prime}$ centers. Size: $2 K_{0} \times 21_{4} \times 2 K_{0}{ }^{\prime \prime}$. Shpg. wt., 9 or.


| Stock Mo. | Type | Coll Dhms | Arrangement | Ma. Coil | $\begin{gathered} 1-2425.50 \quad 51.39 \\ \text { Net Each } \end{gathered}$ |  |  | $\begin{aligned} & 249 \\ & 100 . \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 T 8587 | LM5 | 2500 | SPOT | 6.3 | 4.35 | 4.13 | 3.52 | 3.05 |
| 30 T 8588 | LM5 | 5000 | SPDT | 4.5 | 4.55 | 4.32 | 4.10 | 3.19 |
| 30 T 8589 | LM5 | 10000 | SPOT | 3.2 | 4.90 | 4.66 | 4.41 | 3.43 |
| 30 T 8590 | LM11 | 2500 | DPOT | 9.0 | 6.20 | 5.89 | 5.58 | 4.34 |
| 30 T 8591 | LM11 | 5000 | DPDT | 6.3 | 6.40 | 6.08 | 5.76 | 4.48 |
| 30 T 8592 | LM11 | 10000 | DPDT | 4.5 | 7.05 | 6.70 | 6.15 | 4.94 |

SM SERIES. MIdget, sensitive, hermetically sealed relays, for computers, model airplanes and similar uses. SPDI silver-phodium contacts rated at $1 / 4 \mathrm{amp}$. non-inductive. Extremely long life, Mtg.: sto. 7 -pin miniature tube socket. Size: $7 / 4$ dia. $\times 11 \mathrm{~K}_{0} "$. Currentactuated, plate circuit type. Avg. shpg. wt., 3 oz .

| Stock No. | Type | Coil V. or Ma. | Arrangement | Coil Ohms | 1-24 | $\begin{gathered} \text { Net E } \\ 25.50 \end{gathered}$ | $51.99$ | $\begin{aligned} & 100- \\ & 249 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 † 8603 | SM50S | 6VDC | SPDT | 80 | 7.25 | 6.89 | 6.53 | 5.08 |
| 30 T 8604 | SM5DS | 24VDC | SPDT | 900 | 7.25 | 6.89 | 6.53 | 5.08 |
| 30 T 8605 | SM5LS | 3.9 MA * | SPDT | 5000 | 7.55 | 7.17 | 6.80 | 5.29 |
| 30 T 8606 | SM5LS | 2.7 MA* | SPDT | 10000 | 8.10 | 7.70 | 7.29 | 5.67 |

TYPE SS5D. Ultra sensitive precision 1 ma relays ideal for all low energy circuits such as instruments and bridge balancing. Dual serles coils with balanced armature. Sensitivity, 10 mw . Coil ohms. 10,000. Sliver contacts. Mtg.: 2-No. 6-32 tapped holes on H/2 $_{2}$ " centers. Size: $111 \mathrm{~K}_{0} \times 1 \mathrm{~K}_{0} \times 13 / 4^{\prime \prime}$. Shpg. wt. 8 oz .


PW SERIES. Precision lightweight hermetically sealed DC relays for aircraft and missile use. Sensitivity: 40 mw for current actuated units, 180 mw for voltage actuated units. Withstands 10 G vibration to 500 cps. SPDT silver contacts rated at 2 amps. Mig.: std. 7 pin miniature tube socket. Slze: $1 / 4$ dia. $111 / 10$ ". "Plate circult type. Avg. shpg. wt., 402.

| Stock No | Type | or Ma. | ment | Coll Ohms | 1.24 | $25.50$ | $99$ | $\begin{aligned} & 100 . \\ & 249 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 T 8593 | PW5DS | हैV | SPDT | 202 | 11.85 | 11.26 | 10.67 | 8.30 |
| 18594 | PW5DS | 12V | POT | 810 | 11.8 | 11.26 | 10.67 | 30 |
| 30 T 8595 | PW5DS | 24 V | SPDT | 3240 | 11.85 | 11.26 | 10.67 | 8.30 |
| 30 T 8596 | PW5LS* | 2.8 Ma | SPDT | 5000 | 12.25 | 11.64 | 11.03 | 8.57 |
| 30 T 8597 | W5LS* | 2 Ma | SPOT | 10000 | 12.7 | 12.07 | 11 |  |

TYPE LB5. Low cost, fast-acting units. Breakdown 500 V. rms. min. SPDT silver contacts rated at 5 amps. Mtg.: Two Ko" dia. holes on $21 / 2^{\prime \prime}$ centers. Size: $13 / 4 x 11 / 4 \times 2^{21} / z^{\prime \prime}$. For DC only. Shpg. wt., 502.


| Stock No. | Type | $\begin{gathered} \text { Coil } \\ \text { Ohms } \end{gathered}$ | Arrangement | Coil Cuprent |  | Net Each |  | $\begin{aligned} & 100 . \\ & 249 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 T 8584 | LB5 | 2500 | SPOT | 9 Ma | 2.85 | 2.71 | 2.57 | 2.00 |
| 30 T 8585 | L85 | 5000 | SPDT | 6.3 Ma | 3.05 | 2.90 | 2.75 | 2.14 |
| 30 T 8586 | LB5 | 10000 | SPDT | 4.5 Ma | 3.30 | 3.14 | 2.97 | 2. 31 |

TYPE RSSD. Low cost. Lightweight, sensitive relays for radiosonde, light dimmer and model uses. 60 mw sensitivity. SPOT bar palladium contacts rated at 2 amps. Mtg.: Two $4-40$ holes on $3 / 4 x^{5} 56^{\circ \prime}$ centers. Size: 'Kxaxl'ku". Avg. shpg. wt., 302.


| Stock No. | Type | Coil V. of Ma. | Arrangement | Coil Ohms | 1.24 | $\begin{gathered} \text { Net E } \\ 25-50 \end{gathered}$ | $\begin{aligned} & \text { ach } \\ & 51.99 \end{aligned}$ | $\begin{aligned} & 100 \\ & 249 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 T 8598 | R 550 | 6 V | SPOT | 335 | 2.90 | 2.76 | 2.61 | 2.03 |
| 30 T 8599 | RS50 | 5.0 Ma | SPDT | 2500 | 3.15 | 2.99 | 2.84 | 2.21 |
| 30 T 8601 | RS50 | 3.5 Ma | SPDT | 5000 | 3.45 | 3.28 | 3.11 | 2.42 |
| 30 T 8602 | RS50 | 2.5 Ma | SPDT | 10000 | 4.00 | 3.80 | 3.60 | 2.80 |

KCP SERIES. Plate circuit relays, enclosed in polystyrene cases. Sensitivity 125 mw (single pole). Silver contacts rated at 2 amps. Mig. std. octal plug-in type, 8 pin for all except KCP 14 's 11 pins. Size: $2 \times 113_{2} \times 113_{2}^{\prime \prime}$. Shpg. wt., 5 oz .


| Stock No. | Type | Cail Ohms | Arrangement | Coll Ma. | $1-24$ | $\begin{aligned} & \text { let Eact } \\ & 25.50 \end{aligned}$ | 51.99 | $\begin{aligned} & 100 \\ & 249 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 T 8575 | KCP5 | 2500 | SPDT | 7.2 | 6.50 | 6.18 | 5.85 | 4.55 |
| 30 T8576 | KCP5 | 5000 | SPDT | 5.0 | 6.60 | 6.27 | 5.94 | 4.62 |
| 30 T 8577 | KCP5 | 10000 | SPDT | 3.6 | 7.05 | 6.70 | 6.35 | 4.94 |
| 30 T8578 | KCP11 | 2500 | DPDT | 10.0 | 6.95 | 5.60 | 6.26 | 4.87 |
| 3018579 | KCP11 | 5000 | DPDT | 7.2 | 7.05 | 6.70 | 6.35 | 4.94 |
| 30 T 8580 | KCP11 | 10000 | DPDT | 5.0 | 7.50 | 7.13 | 6.75 | . 5.25 |
| 30 T 8581 | KCP14 | 2500 | 3PDT | 12.3 | 8.55 | 8.12 | 7.70 | 5.99 |
| 30 T 8582 | KCP14 | 5000 | 3 PDT | 8.7 | 8.65 | 8.22 | 7.79 | 6.06 |
| 30 T 8583 | KCP14 | 10000 | 3PDT | 6.1 | 9.10 | 8.65 | 8.19 | 6.37 |
| 30 T 8757 Stainless security spring for KCP |  |  |  |  |  |  |  |  |
| Octal Socket for KCPS and KCP11. 11K0"Mtg. centers.$32 \text { † } 1904$ |  |  |  |  |  |  |  |  |
| 11 pin socket for KCP14. Requires $115{ }^{\prime \prime}$ hole. 32 † 1905 |  |  |  |  |  |  |  |  |

## TELEPHONE TYPE RELAYS

MG SERIES. Subminiature telephone type relay for aliccaft, computer, and other applications requiring good shock and vibration characteristics. Silver contacts rated at 2 amps . All are open. Mig. 4 tapped
 Shpg. wt., 6 oz .

| Stock No. | Type | Coll Volts | Arrangement | $\begin{aligned} & 1-24 \\ & \text { Each } \end{aligned}$ | $\begin{aligned} & 25.50 \\ & \text { Each } \end{aligned}$ | $\begin{aligned} & 51.99 \\ & \text { Esch } \\ & \hline \end{aligned}$ | 100.249 Each |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 T 8608 | MG110 | 6VDC | OPDT | 5.70 | 5.42 | 513 | 3.99 |
| 30 T 8609 | MG110 | 12VDC | DPDT | 5.70 | 5.42 | 5.13 | 3.99 |
| 30 T 8610 | MG110 | 24 VDC | DPDT | 5.70 | 5.42 | 5.13 | 3.99 |
| 30 T 8611 | MG11D | 110 VDC | OPDT | 6.25 | 5.94 | 5.63 | 4.38 |
| LS SERIES RELAYS |  |  |  |  |  |  |  |
| Short springs and light arm for fast action. St. Stl. bearing for 100 million oper. Tinned, solder term. Mtg. 2 No. 6-32 tapped holes on $y_{4}{ }^{\prime \prime}$ centers. Contacts 4 amps . $11 / 1 / \times 2 \mathrm{t} / \mathrm{a} \times 1 / \mathrm{sm}$. Shpg. wt., 6 oz . |  |  |  |  |  |  |  |
| Stock Mo. | Type | Arran | ngement | Volts |  |  | 21-499 |
| 30 T 8634 | LS170 |  | PDT | $2 \overline{4}$ |  |  | 5.29 |
| 30 T 8636 | LS170 |  | PDT | 110 |  |  | 5.63 |
| 30 T 8637 | LS23D |  | PDT | 24 |  |  | 6.39 |

TYPE MB30. Miniature DC contactors. Silver contacts rated at 60 amps; solder terminals. All are SPSTNO.DB. Mtg.: 4-NO. $3-48$ holes on $3 / 8 x^{3 / 8 /}$ centers.


| Stock No. | Type | $\begin{aligned} & \text { Coll } \\ & \text { Volts } \end{aligned}$ | Arrange. ment | $\begin{aligned} & 1.24 \\ & \text { Each } \end{aligned}$ | $\begin{aligned} & 25.50 \\ & \text { Each } \end{aligned}$ | $\begin{aligned} & 51.99 \\ & \text { Each } \end{aligned}$ | $\begin{gathered} 100.249 \\ \text { Each } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 T 8627 | MB30 | ¢ V VOC | SPST | 5.95 | 5.65 | 5.36 | - 4.17 |
| 30 T 8628 | M83D | 12VDC | SPST | 6.10 | 5.80 | 5.49 | 4.27 |
| 30 I 8629 | M83D | 24 VDC | SPST | 6.10 | 5.80 | 5.49 | 4.27 |
| 30 T 8630 | M830 | 110 VDC | SPST | 6.50 | 6.11 | 5.85 | [4.55 |

MC SERIES. Built with ceramic contact spaces for RF switching for min. losses at high frequencies. Intercontact capacitance 1.5 mmfd . Max. SPDT palladium contacts rated 1 amp. Solder lug terminals. Mounts on $3 / 8 \times 3 / \mathbf{c h}^{\prime \prime}$ centers. Shpg. wt., 402.

| Stock No. | Type | Coil Volts | Arrange. ment | $\begin{aligned} & 1.24 \\ & \text { Each } \end{aligned}$ | $\begin{aligned} & 25.50 \\ & \text { Each } \end{aligned}$ | $\begin{aligned} & 51.99 \\ & \text { Each } \end{aligned}$ | $\begin{gathered} 100.249 \\ \text { Each } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 T 8632 | MC50 | 12VDC | SPDT | 5.10 | 4.85 | 4.59 | 93.57 |
| 30 T 8633 | MC50 | 24 VDC | SPDT | 5.10 | 4.85 | 4.59 | 93.57 |

# Potter \& Brumfield Relays 



## DRY REED RELAYS

JR SERIES - Dry reed relays featuring fast response, high sensitivity, small size, and long life. Dperate time, 3 milliseconds: Release, $1 / 2$ millisecond. Dry reed glass capsules with two types of contact arrangements. Form A is SPST-NO; Form C is SPDT.NC. Size: ${ }^{11} \mathrm{~K}_{0} \mathrm{Lx}^{1} \mathrm{~K}_{2} " \mathrm{H}$ and $W$ for 1 cavity 'Ko", 2 cavity $7 / \mathrm{s}^{\prime \prime}, 3$ cavity $11 / \mathrm{a}^{\prime \prime}$. Shpg. wt., 402.

| Stock No. | Type | No. of Cavities | Coil Volts | Contact Arrange. | Reed Rating (W) | Net Each |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 T 8848 | JR1000 | 1 | 6 | 1A | 15 | 3.05 | 2.28 | 1.94 |
| 30 T 8849 | JR1001 | 2 | 6 | 2 A | 15 | 4.10 | 3.06 | 2.60 |
| 30 T 8850 | JR1040 | 1 | 6 | 1 C | 10 | 7.65 | 5.71 | 4.66 |
| 30 T 8851 | JR1020 | 1 | 6 | 1 A | 50 | 4.30 | 3.21 | 2.73 |
| 30 T 8852 | JR1005 | 1 | 12 | 1A | 15 | 3.05 | 2.28 | 1.94 |
| 30 T 8853 | JR1006 | 2 | 12 | 2A | 15 | 4.10 | 3.06 | 2.60 |
| 30 T 8854 | JR1045 | 1 | 12 | 1 C | 10 | 7.65 | 5.71 | 4.86 |
| 30 T 8855 | JR1025 | 1 | 12 | 1 A | 50 | 4.30 | 3.21 | 2.73 |
| 30 T 8856 | JR1026 | 2 | 12 | 2A | 50 | 6.60 | 4.92 | 4.19 |
| 30 T 8857 | JR1010 | 1 | 24 | 1A | 15 | 3.55 | 2.65 | 2.25 |
| 30 T 8858 | JR1011 | 2 | 24 | 2 A | 15 | 4.35 | 3.25 | 2.76 |
| 30 T 8859 | JR1050 | 1 | 24 | 1 C | 10 | 8.00 | 5.97 | 5.08 |
| 30 T 8860 | JR1030 | 1 | 24 | 1 A | 50 | 4.60 | 3.43 | 2.92 |
| 30 T 8861 | JR1031 | 2 | 24 | 2A | 50 | 6.90 | 5.15 | 4.38 |

MEON INDICATOR RELAYS - KRPIIAN and KRPIIDN - Incorporate NE-2 Neon lamp to indicate current or voltage avallablity in power circult. DPDT sllver contacts rated at 10 amps . Clear dust cover. Base has standard octal plug. Uses same socket as KRP series. Shpg. Wt., 502.

| Stock Mo. |  |  |  |  | Net Each |  | 100-249 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Type | Arrangement | Coll Volts | 1.24 |  |  |  |
| 30 T 8776 | KRPIIAN | DPDT | 6 VAC | 7.90 | 7.51 | 7.11 | 5.53 |
| 30 T 8777 | KRPIIAN | DPOT | 12 VAC | 7.90 | 7.51 | 7.11 | 5.53 |
| 30 T 8778 | KRPIIAN | DPDT | 24 VAC | 7.90 | 7.51 | 7.11 | 5.53 |
| 30 T 8779 | KRPIIAN | DPDT | 120 VAC | 7.90 | 7.51 | 7.11 | 5.53 |
| 30 T8780 | KRPIIAN | DPDT | 240VAC | 8.30 | 7.89 | 7.47 | 5.81 |
| 3018782 | KRP11DN | DPDT | 12 VDC | 7.80 | 7.41 | 7.02 | 5.46 |
| 30 T 8783 | KRPIIDN | DPDT | 24 VDC | 7.80 | 7.41 | 7.02 | 5.46 |
| 30 T 8784 | KRP11DN | DPDT | 110 VDC | 8.50 | 8.08 | 7.65 | 5.95 |



KHP17011 Series - Small, rugged, 4PDT, designed to meet the exacting requirements of data processing. computer, and process control applications. All have nylon dust cover. $z_{2}^{\prime \prime}$ dia. silver contacts rated at 3 amps at 30 VDC or 120 VAC resistive for 100,000 operations. Mig.: solder terminals with $3-48$ stud 2k:" long. Adaptable for plug-in or printed circult applications. Size: $113 / 4 x^{s / 3 / 4 x^{17 / 4}}{ }^{N}$. Shpg. wt., $21 / 402$.


Arrange- Coll
 30 T 8746 KHP17011 4PDT 6 VDC 5.05 4.00 $\begin{array}{llllllll}30 \text { T } 8747 & \text { KHP17D11 } & \text { 4PDT } & 12 V D C & 5.05 & 4.80 & 4.55 & 3.54 \\ 30 \text { T } 8748 & \text { KHP17011 } & \text { 4PDT } & 24 V D C & 5.05 & 4.00 & 4.55 & 3.54\end{array}$ $\begin{array}{lllrllll}30 \text { T } 8750 & \text { KHP17D11 } & \text { 4PDT } & 90 V D C & 5.90 & 5.61 & 5.31 & 4.13 \\ 30 \text { T } 8751 & \text { KHP17D11 } & \text { 4PDT } & 110 V D C & 5.90 & 5.61 & 5.31 & 4.13\end{array}$ Solder terminal socket and retaining ring
printed Circuit terminal socket

## BUILD YOUR OWN RELAY

 GP SERIES - Extreme versatility is afforded by this series of separate AC. DC coils and DPDT of 4PDT switches. Combine to form 24 different relays. Ideat for lab and experiment work. Ko" dia. silver contacts. AC colls for 60 cps. Size of assembled relay.

|  | COILS |  |  | Net Each |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Stock Mo. | Type | Coill Volts | 1.24 | 25-50 | 51.99 | 100.249 |
| 30 T 8715 | GPA | 6VAC | 1.85 | 1.76 | 1.67 | 1.30 |
| 30 T 8873 | GPA | 12 VAC | 1.85 | 1.76 | 1.67 | 1.30 |
| 30 T 8716 | GPA | 24VAC | 1.85 | 1.76 | 1.67 | 1.30 |
| 30 T 8717 | GPA | 120 VAC | 1.85 | 1.76 | 1.67 | 1.30 |
| 30 T 8718 | GPA | 240VAC | 2.30 | 2.19 | 2.07 | 1.61 |
| 30 T 8719 | GPD | 6 VDC | 2.30 | 2.19 | 2.07 | 1.61 |
| 30 T8720 | GPD | 12VDC | 2.30 | 2.19 | 2.07 | 1.61 |
| 30 T 8721 | GPD | 24 VDC | 2.30 | 2.19 | 2.07 | 1.61 |
| 30 T8722 | GPD | 110VDC | 3.45 | 3.28 | 3.11 | 2.42 |
| 3018723 | GPD | 2500 ohms | 1.70 | 1.61 | 1.53 | 1.19 |
| 30 T 8724 | GPD | 5000 ohms | 1.95 | 1.85 | 1.76 | 1.37 |
| 30 T8725 | GPD | 10K ohms | 2.30 | 2.19 | 2.07 | 1.61 |
| SWITCHES |  |  |  |  |  |  |
| Stock No. |  | Type | 1.24 | 25.50 | 51-99 | 100.249 |
| 30 T 8126 |  | PDT | 1.90 | 1.81 | 1.71 | 1.33 |
| 30 T 8727 |  | PDT | 3.25 | 3.09 | 2.93 | 2.28 |

GA SERIES - Multiple leaf, all purpose relays, permitting a wide range of contact combinations. Moisture and shock resistant. Ku" dia. silver plated contacts rated at 5 amps . AC coits for 60 cps . Mtg.: No. $8-32$ tapped core with locating boss. Size:


| Stock No. | Type | Arrangement | Coll Volts | Net Each |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | $1-24$ | 25-50 | Each $51-99$ | 100.249 |
| 30 T 8703 | GAlla | DPDT | 6 VAC | 3.70 | 3.52 | 3.33 | 2.59 |
| 3018704 | GAlla | DPDT | 24VAC | 3.70 | 3.52 | 3.33 | 2.59 |
| 30 i 8705 | GA11A | DPDT | 120 VAC | 3.70 | 3.52 | 3.33 | 2.59 |
| 30 T 8706 | GA110 | DPDT | 6VDC | 3.70 | 3.52 | 3.33 | 2.59 |
| 30 T 8707 | GA11D | DPDT | 12VDC | 3.70 | 3.52 | 3.33 | 2.59 |
| 30 T 8708 | GA110 | DPDT | 24VDC | 3.70 | 3.52 | 3.33 | 2.59 |
| 30 T 8838 | GA11D | DPDT | 110VDC | 4.20 | 3.99 | 3.78 | 2.94 |
| 30 T 8709 | GA17A | 4 PDT | 6VAC | 5.35 | 5.08 | 4.82 | 3.75 |
| 30 T 8710 | GA17A | 4 PDT | 24VAC | 5.35 | 5.08 | 4.82 | 3.75 |
| 30 T 8711 | GA17A | 4 PDT | 120 VAC | 5.35 | 5.08 | 4.82 | 3.75 |
| 30 T 8712 | GA170 | 4 PDT | 6 VDC | 5.35 | 5.08 | 4.82 | 3.75 |
| 30 T8713 | GA170 | 4PDT | 12VDC | 5.35 | 5.08 | 4.82 | 3.75 |
| 30 T 8714 | GA17D | 4PDT | 24VD | 5.35 | 5.0 .8 | 4.82 | 3.75 |



KA SERIES - Low power loads such as small motors solenoids and general automation work. Silver contacts rated at 5 amps. Moisture and shock resistant. AC coil for 60 cps. Mtg.: 1 No. 6-32 stud and locat-


| Stock Mo. | Type | Arrangement | Coll Volts | 1-24 | $\begin{gathered} \text { Nef } \\ 25.50 \end{gathered}$ | $\begin{aligned} & \text { Each } \\ & 51-99 \end{aligned}$ | 100.249 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 T 8728 | KASAY | SPDT | 6VAC | 3.50 | 3.33 | 3.15 | 2.45 |
| 30 T 8729 | KASAY | SPDT | 24 VAC | 3.50 | 3.33 | 3.15 | 2.45 |
| 30 T 8730 | KASAY | SPOT | 120 VAC | 3.50 | 3.33 | 3.15 | 2.45 |
| 3018731 | KASDY | SPDT | 6VDC | 3.35 | 3.18 | 3.02 | 2.35 |
| 30 T 8732 | KASDY | SPDT | 12 VDC | 3.35 | 3.18 | 3.02 | 2.35 |
| 30 T 8733 | KASDY | SPDT | 24VDC | 3.35 | 3.18 | 3.02 | 2.35 |
| 30 T 8734 | Kallay | DPDT | 6VAC | 4.25 | 4.04 | 3.83 | 2.98 |
| 30 T 8735 | Kallay | DPDT | 24VAC | 4.25 | 4.04 | 3.83 | 2.98 |
| 30 T 8736 | kallay | DPDT | 120 VAC | 4.25 | 4.04 | 3.83 | 2.98 |
| 30 T 8737 | KAlldy | DPDT | 6VDC | 3.75 | 3.56 | 3.38 | 2.62 |
| 30 T 8738 | KAlloy | DPDT | 12 VDC | 3.75 | 3.56 | 3.38 | 2.62 |
| 30 T 8739 | KAllo | DPDT | 24VDC | 3.75 | 3.56 | 3.38 | 2.62 |
| 30 T 8839 | Kalloy | DPDT | 110 VDC | 4.40 | 3.99 | 3.78 | 2.94 |
| 30 T 8740 | KA14AY | 3PDT | 6VAC | 4.65 | 4.42 | 4.19 | 3.26 |
| 30 T 8741 | Kal4ay | $3 P D T$ | 24 VAC | 4.65 | 4.42 | 4.19 | 3.26 |
| 30 T 8742 | Kal4ay | $3 P D T$ | 120 VAC | 4.65 | 4.42 | 4.19 | 3.26 |
| 30 T 8743 | KA14DY | $3 P D T$ | 6 VDC | 4.25 | 4.04 | 3.83 | 2.98 |
| 30 T 8744 | KA14DY | 3PDT | 12VDC | 4.25 | 4.04 | 3.83 | 2.98 |
| 30 T 8745 | KAl4DY | 3PDT | 24 VDC | 4.25 | 4.04 | 3.83 | 2.90 |



KRP SERIES - Versatile, multi-contact relays enclosed in plastic dust cover. All have standard octal ( 8 pin) plug, except KRP14's have 11 pins. KR3PH's are heavy-duty with $1 / a^{\prime \prime}$ silver cadmium oxide contacts rated 20 amps; others have $\mathrm{K}_{6}$ " contacts rated 10 amps . Shpg. wt., $50 z$.

| Stock No. | Type | Arrange. ment | Coll Volts | 1-24 | $25 \cdot 50$ | $51.99$ | 00-249 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 T 8841 | KRP3AH | SPST | 12VAC | 7.00 | 6.65 | 6.30 | 4.90 |
| 30 T 8842 | KRP3AH | SPST | 24 VAC | 7.00 | 6.65 | 6.30 | 4.90 |
| 30 T 8843 | KRP3AH | SPST | 120 VAC | 7.00 | 6.65 | 6.30 | 4.90 |
| 30 T 8845 | KRP30H | SPST | 12 VDC | 6.75 | 6.41 | 6.08 | 4.73 |
| 30 T 8846 | KRP3DH | SPST | 24VOC | 6.75 | 6.41 | 6.08 | 4.73 |
| 30 T 8847 | KRP3DH | SPST | 110V0C | 7.45 | 7.08 | 6.71 | 5.22 |
| 30 T 8758 | KRP5AG | SPDT | 6VAC | 6.15 | 5.84 | 5.54 | 4.31 |
| 30 T 8759 | KRP5AG | SPDT | 24 VAC | 6.15 | 5.84 | 5.54 | 4.31 |
| 30 T 8760 | KRP5AG | SPDT | 120 VAC | 6.15 | 5.84 | 5.54 | 4.31 |
| 30 T 8761 | KRP5DG | SPDT | 6VDC | 6.10 | 5.80 | 5.49 | 4.27 |
| 30 T 8762 | KRPSDG | SPDT | 12VDC | 6.10 | 5.80 | 5.49 | 4.27 |
| 30 T 8763 | KRPSOG | SPDT | 24VDC | 6.10 | 5.80 | 5.49 | 4.27 |
| 30 T 8764 | KRP11AG | DPDT | 6VAC | 6.90 | 6.56 | 6.21 | 4.33 |
| 3018765 | KRPIIAG | DPDT | 12VAC | 6.90 | 6.56 | 6.21 | 4.83 |
| 3018766 | KRP11AG | DPDT | 120 VAC | 6.90 | 6.56 | 6.21 | 4.83 |
| 30 T 8767 | KRP110G | DPDT | 6VDC | 6.85 | 6.51 | 6.17 | 4.80 |
| 30 T 8768 | KRP110G | DPDT | 12VDC | 6.85 | 6.51 | 6.17 | 4.80 |
| 30 T 8769 | KRP110G | DPDT | 24VDC | 6.85 | 6.51 | 6.17 | 4.60 |
| 30 T 8770 | KRP14AG | 3PDT | 6VAC | 8.60 | 8.1 | 7.74 | 6.02 |
| 30 T 8771 | KRP14AG | 3PDT | 24VAC | 0.60 | 6.17 | 7.74 | 6.02 |
| 30 T 8772 | KRP14AG | 3PDT | 120VAC | 8.60 | 8.17 | 7.74 | 8.02 |
| 30 T 8773 | KRP14DG | 3PDT | 6 VDC | 0.50 | 8.08 | 7.65 | 5.95 |
| 3018774 | KRP14DG | 3PDT | 12VDC | 8.50 | e.08 | 7.65 | 5.95 |
| 30 T 8775 | KRP14DG | 3PDT | 24VDC | 8.50 | 8.08 | 7.65 | 5.95 |
| 32 T 8757 | Stainless Steel. Hold down for KP4 |  |  |  | Net ea. |  |  |
| Amphenol <br> 32 T 1904 | 146-103 Sockets. For KRP relays except KRP14's. Shpg. wt., 502. |  |  |  |  |  |  |
| Amphenol <br> 32 T 1905 | 77MIP11 Sockets. 11 pin socket for KRP 14 relays Shpg. wt., 202. |  |  |  |  |  |  |

# Potter \& Brumfield Relays 

## SPECIAL PURPOSE RELAYS

## LATCHING RELAYS

PC SERIES, Single Coil impulse latching relays for on-off and current reversal switching on alternate pulses. Operates on 30 millisecond pulses to the coll. Gold-flashed silver cadmium oxide contacts rated at 7.5 amps. Mtg: $2 \%_{2}^{\prime \prime}$ dia, holes on $25 \mathrm{~g}^{\prime \prime}$ centers. Size: $2 x_{0} \times 21_{6} \times 2^{31 / 1_{2} " .}$. Shpg. wt., 1002.

| Slock No. | Type | Arrangement | Coil Volts | $\begin{aligned} & 1-24 \\ & \text { Each } \end{aligned}$ | $\begin{aligned} & 25-50 \\ & \text { Each } \end{aligned}$ | $\begin{gathered} 51-99 \\ \text { Each } \end{gathered}$ | $\begin{aligned} & 100-249 \\ & \text { Each } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 T 8642 | PC11A | DPDT | 6VAC | 6.20 | 5.89 | 5.58 | 4.34 |
| 30 T 8643 | PC11A | DPDT | 24 VAC | 6.20 | 5.89 | 5.58 | 4.34 |
| 30 T 8644 | PC11A | DPDT | 120 VAC | 6.20 | 5.89 | 5.58 | 4.34 |
| 30 T 8645 | PC110 | DPDT | 24VDC | 6.00 | 5.70 | 5.40 | 4.20 |
| Stock No. | Type | Arrange. ment | Coit Volts | $\begin{aligned} & 1.24 \\ & \text { Each } \end{aligned}$ | $\begin{aligned} & \text { 25.50 } \\ & \text { Each } \end{aligned}$ | $\begin{gathered} 51-99 \\ \text { Each } \end{gathered}$ | $\begin{gathered} 100.249 \\ \text { Each } \end{gathered}$ |
| 30 T 8646 | PC17A | 4 PDT | 24VAC | 8.55 | 8.12 | 7.70 | 5.99 |
| 30 T 8647 | PC17A | 4PDT | 120 VAC | 8.55 | 8.12 | 7.70 | 5.99 |
| 30 T 8648 | PC170 | 4PDT | 24VDC | 8.35 | 7.93 | 7.52 | 5.85 |

Type KB17AG KB170G, Latching Relays. Ideal for memory work and overload uses. Both release and trip colls must be for the same voltage. One coil operates relay to set latch and other coil releases it. operates on momentary impulse to either coil. 4 PDT silver contacts rated at 10 amps. Mtg. $25_{2}{ }^{\text {" }}$ holes on $1 \mathrm{y} / \mathrm{s}^{\prime \prime}$ centers Size: $2 \mathcal{S}_{2} \times 1^{21} \mathrm{~S}_{1} \times 2^{1 /} \mathrm{K}_{6}$. Shpg. wt., 10 02 . " 60 Hz .

| ck No. | Type | ment | Coll Volts | $\begin{aligned} & \text { Each } \\ & \\ & \hline \end{aligned}$ | $\begin{array}{r} 25 \cdot 50 \\ \text { Each } \end{array}$ | $\begin{aligned} & 51.99 \\ & \text { Each } \end{aligned}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 T 8649 | KB17AG | 4PDT | 120VAC* | 11.70 | 11.12 | 10.5! | 8.19 |
| 30 T 8650 | KB17AG | 4PDT | 24VAC* | 11.70 | 11.12 | 10.53 | 8.19 |
| 30 T 8651 | KB17A | 4 PDT | 6 VAC* | 11.70 | 11.12 | 10.5J | 8.19 |
| 30 T 8652 | KB17DG | 4PDT | 110VDC | 11.95 | 11.35 | 10.74 | 8.37 |
| 30 T 8653 | KB170 | 4 PDT | 24 | 10.65 | 10.12 | 9.54 | 7.46 |
| 5 |  |  |  | 10 | 10.12 | 9.53 |  |

## RATCHET IMPULSE RELAYS

AP Series. Reliable compact unit requiring on-off or reversing action on alternate operations. Positive ratchet operation at all speeds on impulses as short as 60 ms . Intermittent operation only. Mtg.: three $x_{2}$ " dia. holes on $33 / \bar{m}^{\prime \prime} x 7 /^{\prime \prime}$ triangular centers. Contacts $x_{0}$ " dia. silver. Rated at 5 amps . Size: $33 / 4 \times 2 \% \times 21 / 4^{\prime \prime}$. Shpg. wt., 908

| Stock Mo. | Type | Arrangement | Coll Volts | $\begin{aligned} & \text { 1-24 } \\ & \text { Each } \end{aligned}$ | $\begin{aligned} & 25.50 \\ & \text { Each } \end{aligned}$ | $\begin{aligned} & 51.59 \\ & \text { Each } \end{aligned}$ | $\begin{gathered} 100-999 \\ \text { Each } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 T 8671 | APIIA | DPDT | 6VAC | 9.65 | 9.17 | 8.64 | 6.78 |
| 30 T 8672 | APIIA | DPDT | 12VAC | 9.65 | 9.17 | 8.69 | 6.78 |
| 30 T 8673 | APIIA | DPOT | 24VAC | 9.65 | 9.17 | 8.63) | 6.78 |
| 30 T 8674 | APIIA | DPDT | 120VAC | 9.65 | 9.17 | 8.63 | 6.78 |
| 30 T 8675 | AP11A | DPDT | 240VAC | 10.20 | 9.69 | 9.18 | 7.14 |
| 30 T 8676 | AP110 | DPDT | 6 VOC | 9.65 | 9.17 | 6. Ef $^{\circ}$ | 6.76 |
| 30 T 8677 | AP110 | DPDT | 24 VDC | 9.65 | 9.17 | 8. ² $^{2}$ | 6.76 |
| 30 T 8680 | AP17A | 4 PDT | 120VAC | 11.70 | 11.12 | 10.53 | 8.19 |
| 30 T 8872 | AP17D | 4POT | 12VDC | 11.70 | 11.12 | 10.53 | 8.19 |
| 30 T 8682 | AP170 | 4POT | 24VDC | 11.70 | 11.12 | 10.53 | 8.19 |

## ANTENNA SWITCHING RELAYS

TYPE KT11A ANO KT110. Relay. For switching 300 ohm lines. Glass base for minimum RF loss. DPDT silver contacts rated at 5 amps. Mtg.: 1 -no. 6.32


| Stock No. | Type | Arrangement | Coll Volts | $\begin{aligned} & 1.24 \\ & \text { Each } \end{aligned}$ | $\begin{aligned} & 25.50 \\ & \text { Each } \end{aligned}$ | $\begin{aligned} & 5199 \\ & \text { Each } \end{aligned}$ | $\begin{gathered} 100 \cdot 249 \\ \text { Each } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 T 8693 | KT11A | DPOT | 6VAC | 4.10 | 3.90 | 3.59 | 2.87 |
| 30 T 8694 | KTIIA | DPDT | 120 VAC | 4.10 | 3.90 | 3.69 | 2.87 |
| 30 T 9695 | KT110 | DPDT | 6VDC | 4.10 | 3.90 | 3.69 | 2.87 |
| 30 T 8696 | KTIID | DPDT | 12VOC | 4.10 | 3.90 | 3.69 | 2.87 |

## MS MOTOR STARTING RELAYS

For capacitor start, Induction.run motors. Arm gap var, to pull-in. AC coils, 60; 5.9 VA oper. power. Silver contacts; 2 AY are SPST-NC rated $3 / 4$ HP; 4 AY are SPST-NC-OB rated 3 HP. Mtg.: 2 No. $x_{2}$ dia. holes on $1 K_{6}$ " centers. Size: $21 /{ }_{6} \times 21 / \%_{2} \times 23_{2}^{\prime \prime} .502$.

| Stock No. | P\&B No. | Arrangement | $\begin{gathered} \text { Coll } \\ \text { volts } \end{gathered}$ | Net Exch |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | 1.24 | 25-50 | 51.99 | 100-249 |
| 30 T8667 | MS2AY | SPST-NC | 120 | 4.00 | 3.80 | 2.60 | 2.80 |
| 30 T 8668 | MS2AY | SPST-NC | 240 | 4.45 | 4.23 | 4.01 | 3.12 |
| 30 T 8669 | MSAAY | SPST-NC-DB | 120 | 4.65 | 4.41 | 4.16 | 3.26 |
| 30 T 8670 | MSAAY | SPST.NC-DB | 240 | 5.10 | 4.85 | 4.59 | 3.57 |

SOLID STATE TIME DELAY RELAYS
CH SERIES. Knob adjustable DPDT relay with 10 A rated contacts. Enclosed in white nyton dust cover with plug. In octal pins. Provide delay on operate, except $\dagger$ have delay on release. Reset time, 100 milliseconds; riming accuracy $\pm 10 \%$; Repeatability $\pm 2 \%$. Polarity reversal protection on D.C. Size: $27 / 9 \times 13 / 4 \times 1{ }^{2} z^{\prime \prime}$. Shpg. wt., 5 oz.

Stock No. Type
30 T 8862 CHB38-30001 30 T 8863 CHB 38-30003 30 T 8864 CHB38.70001 30 T 8865 CHB38-70003 30 T 8866 CHD38-30001 30 T 8867 CHO38-30003 30 T 8868 CHB38-70011 30 T 8869 CHB38-70013 $\dagger$ 30 T 8870 CHD38.30011 $\uparrow$ 30 T 8871 CHD $38-30013 \uparrow$

## CU SERIES SOLID STATE TIME DELAY RELAYS

Internal DPDT relay with 10A. contacts. Delay on operate only. Types CUA/CUC fixed delay; types CUF/CUH adjustable, using external resistors. Resistances shown in table below indicate max. delay; for lesser delay use intermediate value or potentiometer. Repeatablity $\pm 3 \%$. Reset time 100 ms . Size: 1 Koxl \% x $11 / 2{ }^{\prime \prime}$. Shpg. wt. $31 / 402$.

| Stock No. | Type | input Volts | Delay Sec. | Resistor Needed | $\begin{gathered} \mathrm{Net} \\ 1-24 \end{gathered}$ | $\begin{aligned} & 2 \mathrm{ach} \\ & 25-99 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 T 8885 | CUA41-70010 | 120 VAC | 10 | Noné | 12.50 | 87 |
| 30 T 8886 | CUAA1-70120 | 120VAC | 120 | Non | 14.00 | 13.30 |
| 30 T 8887 | CUC41-30010 | 24VDC | 10 | None | 12.50 | 11.87 |
| 30 T 8888 | CUC41-30120 | 24 VDC | 120 | Non | 14.00 | 13.30 |
| 30 T 8889 | CUA41-30010 | 24 VAC | 10 | Non | 12.50 | 11.87 |
| 30 T 8890 | CUF41-70010 | 120 VAC | 1. 10 | 200K | 13.25 | 12.59 |
| 30 T 8891 | CUF41-70120 | 120 VAC | 1.120 | 2.4MEG | 14.50 | 13.77 |
| 30 T 8892 | CUH41-30010 | 24 VOC | 1.10 | 160K | 13.25 | 12.59 |
| 30 T 8893 | CUH41-30120 | 24 VDC | 1.120 | 2MEG | 14.50 | 13.77 |
| 30 T 8894 | CUF41-30010 | 24 VAC | 1.-10 | 200 K | 13.25 | 12.59 |
| 30 T 8895 | Solder Term. Socket and Retainer for Above |  |  |  | Net .75 |  |
| 30 T 8896 | Printed Circuit Socket for Above ...................... Net . 90 |  |  |  |  |  |

## SUB-MINIATURE RELAYS

KM SERIES. Tiny 3-pole relays weighing only $7 / 80 z$ For multiple switching. Solder lug terminals. Mig. no 2.56 tapped core and locating half-punch. Silver con



| Stock No. | Type | Arrangement | Coil Volts | $\begin{aligned} & 1.24 \\ & \text { Each } \end{aligned}$ | $\begin{aligned} & 25-50 \\ & \text { Each } \end{aligned}$ | $\begin{aligned} & \text { 51-99 } \\ & \text { Each } \end{aligned}$ | $\begin{gathered} 100-249 \\ \text { Each } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 T 8684 | KM5D | SPDT | 6VDC | 3.80 | 3.61 | 3.42 | $2.6 \overline{6}$ |
| 30 T 8685 | KM5D | SPDT | 12VDC | 3.80 | 3.61 | 3.42 | 2.66 |
| 30 T 8686 | KM5D | SPDT | 24VDC | 3.80 | 3.61 | 3.42 | 2.66 |
| 30 T 8687 | KM11D | DPDT | 6 VDC | 4.15 | 4.94 | 3.74 | 2.91 |
| 30 T 8688 | KM11D | DPDT | 12VDC | 4.15 | 4.94 | 3.74 | 2.91 |
| 30 T 8690 | KM14D | 3PDT | 6 VDC | 4.80 | 4.56 | 4.32 | 3.36 |
| 30 T 8691 | KM14D | 3PDT | 12VDC | 4.80 | 4.56 | 4.32 | 3.36 |

## STEPPING SWITCH

TYPE SA-1N-12A. Twelve position stepping relay with printed circult strips to switch currents up to 250 ma. Armature-driven pawl operates a ratchet wheel to drive the movable contacts in steps of $30^{\circ}$. Mtg. two $6-32$ holes on 1 1/4," centers. Size: $21 / 2 \times 2^{1} / 5_{2} \mathrm{x}$ 1 King $^{\prime \prime}$. Shpg, wt. 408.

| Stock No. | Type | Colf <br> Volts | 1.24 <br> Each | $25-50$ <br> Each | 51.99 <br> Each | 100.249 <br> Each |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 T 8697 | SA-1N.12A | 120 VAC | $\mathbf{7 . 3 5}$ | $\mathbf{6 . 9 8}$ | 6.62 | 5.15 |

## BU BUZZER

$A C$ operated coll with spring steel armature. Nominal power 4.6 VA . Mtg.: 6.32 tapped core. Size: $11 / 52 \times 11 / 2 \times 13 /{ }^{2}$. Shpg. wi., 302.

| Stoch No. | Type | $\begin{aligned} & \text { Coll } \\ & \text { Voits } \end{aligned}$ | $\begin{aligned} & 1.24 \\ & \text { Each } \end{aligned}$ | $\begin{aligned} & \text { 25-50 } \\ & \text { Each } \end{aligned}$ | $\begin{aligned} & 51.99 \\ & \text { Each } \end{aligned}$ | $\begin{gathered} 100.249 \\ \text { Each } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 T 8698 | BU | 6 V | 1.95 | 1.85 | 1.76 | 1.37 |
| 30 T 8699 | BU | 12 V | 1.95 | 1.85 | 1.76 | 1.37 |
| 30 T 8701 | BU | 24V | 1.95 | 1.85 | 1.76 | 1.37 |
| 30 T 8702 | BU | 120 V | 1.95 | 1.85 | 1.76 | 1.37 |

## Relays - Counters

## SENSITIVE MNNIATURE RELAY

LITTLE "JEWEL" REMDTE CONTROL RELAY


- The Nighty Mite of the R/C Field
- Weighs less than $1 / 202$.!
- Size: $3 / 4 \mathrm{H} \times 17 / 32 \mathrm{~W} \times 1 / w^{\prime \prime} \mathrm{L}$

A natural for remote control receivers, it is highly sensitive, and built to withstand severe crashes. The smallest commercial job available, it weighs less than $1 / 200$. Factory adjusted to pull in at 1.4 MA drop out at 1.2 MA D.C. Single pole, double throw. Used in many R/C receivers. 5,000 ohm coil. Imported.


# LAFAYETTE high Sensitivity METER RELAY <br> - Meter Movement <br> - Closes Circuit at 2 Miles 

Extremely sensitive meter type relay. Norm ally open. Ideally sulted for uses with model railroad, photoelectric refay circuit, baby tenders, remote control toys, remote control boats, fire alarm, and many other practical applications. Precision-built meter move ment provides virtually friction-free move ment. Contact will close at 2 milliamps. In ternal resistance 100 ohms. Meter movement rated 5 ma continuous, 10 ma momentary; contacts rated 500 ma continuous, momen tary 1 amp af 3 v and 250 ma at $6 . \mathrm{v}$ with re sisfive load. Sensitivity: 2.5-6 mw. Internally adjustable. Relay is enclosed entirely and transparent cover permits observation. Sold er pins are placed externally for easy con nections. SPST. Size: $13 / 4 \times 15 / 6 \times 13 / 4^{\prime \prime}$. Im ported. Shpg. wt., 8025. 99 T 6199

Net 3.95
6-DIGIT ELECTRIC COUNTER

ougto $2^{95}$

- Registers up to 99,999
- Complete with Arm and Spring Easy-tc-mount rugged counter for counting machine operations. One count per stroke. Orilled mounting flange; actuating arm_and spring. May be manually or solenoid actuated. Reads up to 99.999; side knob easily resets to zero from any number. Ovarall size: $21 / 2 \times 11 / 2 \times 13 / \mathbf{c}^{\prime \prime}$. Imported. Wt., 1/2 Ib 99 T 9028

May be actuated by any switch, relay, efc Operates in any position. White figures on z black background read up to 999,999. Built-ir. selenium rectifier. DC operated solenoid chrome-plated. $6^{\prime \prime \prime}$ leads, 110V, AC, 50/60 Hz Size: $24 / 2 \times 2 \times 13 / 4^{\prime \prime}$. Removable front plate: $349 \times 2$ ". Imported. Shpg. wt., $11 / 2$ lbs. 99 T 9011

Net 10.95


AMPERITE
THERMOSTATIC DELAY RELAYS

## $2^{40}$

Heater-actuated time-delay relays. Operate on $A C, D C$ or pulsating current. Hermetically sealed in glass envelope with octal base. SPST, normally open, closed by heater after delay (in sec.). Heater draws only 2 watts. Contacts rated 3 amp . at 115 V AC or 1.0 amp at 220 V AC. Shpg. wt., 4 oz . Size $23 / /^{\prime \prime} \times 11_{4}{ }^{\circ}$ diameter.

|  | Normally | Open | Normally | Clased |
| :---: | :---: | :---: | :---: | :---: |
| Delay | 6.3 V | 115 V | 6.3 V | 115 V |
| Sec. | AC-DC | AC.DC | AC-DC | AC.OC |



Miniature Relays. Same type delay relays as above, available in miniature size, with delays from 2 to 120 sec . Contacts rated 2 Amps. at 115 VAC or 1 Amp . at 220 VAC . Has 9 pin miniature base. Slze $21 / 2 \times 7 / 8$ dia. Shpg. wt., 302

| $\begin{aligned} & \text { Delay } \\ & \text { Sec. } \end{aligned}$ | Normaliy Dpen |  | Normally Clösed |  |
| :---: | :---: | :---: | :---: | :---: |
|  | AC-DC | AC.DC | AC-OC | AC-DC |
| 2 | 3373549 | 33 r 35 | 33735 | , |
| 5 | 3313550 | 3373561 | 33T357 | 3313583 |
| 10 | 33T3551 | 3313562 | 3313573 | 3373584 |
| 15 | 3373552 | 3313563 | 3313574 | 3313585 |
| 20 | 3373553 | 33 T 3564 | 3313575 | 586 |
| 30 | 3373554 | 3313565 | 33135 | 7 |
| 45 | 3373555 | 3373 | 33T35 |  |
| 60 | 3313556 | 3373567 | 3313578 | 3313589 |
| 75 | 3313557 | 3373568 | 3313579 | 3373590 |
| 90 | 3313558 | 3373569 | 3373580 | $33 T 3591$ |
| 120 | 3373559 | 33 F 3570 | 3313581 | 3313592 |
|  |  |  |  |  |

## MULTI-COUNTER 5-POSITION TALLY REGISTER



Five plunger operated tally registers in a single highly polished chromium plated case. Ideal for (1) laboratory use (2) time \& motion studies (3) production control. Each 3-digit register counts up to 999. Easy-lo-read numerals. Large knurled reset knob on side returns alf 5 positions to zero simultaneous ly. Overall size: $51 / 4 \mathrm{Wx} 17 / \mathrm{Hx} 1 \mathrm{Ki} \mathrm{m}^{\prime D}$. Im ported. Shpg. wt.. $11 / 2$ lbs.
99 T 9031

TUNED TO $266.0 \mathrm{~Hz}, 280.8 \mathrm{~Hz}$


## $313.0 \mathrm{~Hz}, 349.0 \mathrm{~Hz} \& 389.0 \mathrm{~Hz}$

Frequency tolerance $\pm 1 \%$. Especially adaptable to 5 channel remote control hobby tone recelvers and Citizens Band tone signalling recelvers. May also be used as high stabllity, resonant reed oscillator control. Features low tuning error, good temperature stability, low driving requirements. SPECIFICATIONS: (at $25^{\circ} \mathrm{C}$ ): Frequency stability: $\pm .0025 \%$ per degree $C$ over the range of -40 to $+85^{\circ} \mathrm{C}$; Coil resistance: 600 Ohms DC $\pm$ $10 \%$; Threshold Sensitivity: 1.0 V rms to 2,0 $\vee$ rms at resonant frequency; Operating level: 6.0 V rms. Design frequencies: ( Hz ) $\pm$ $1.0 \%$. REEDS: $A=266.0, B=280.8, C=313.0$ $0=349.0, E=389.0$. Constant rating 100 ma peak at 48 VOC (resistance load, contacts $(t)$ in relation to reeds). Weight 2.5 oz . Mounts with 2-6/32" tapped holes on back. Size: 1 H/s. $17 / 4 \times 11 / 4^{\prime \prime}$. Shpg. wt., 802.
42 T 6101
Net 8.50

# Relay Accessories - Miniature Pilot Lamps 



Rated at $115-125 \mathrm{~V}$. 1500 hours average use. All are Candelabra Screw base except $\dagger$ are Double Contact Bayonet Candelabra and $\ddagger$ is mintature bayonet. All clear except * is white. Average shpg. wt., 3 oz . each.

| Stock No. | Type | Fig. | Watts | Lots 10 |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Ea. | Ea. |
| 32 T 6664 | 356 | - | 3 | . 37 | . 33 |
| 32 T 6665 | 656 | L | 6 | . 21 | . 19 |
| 32 T 6665 | $6560 \mathrm{C} \dagger$ | M | 6 | . 31 | 28 |
| 32 T 6667 | 7C7/C | N | 7 | . 21 | . 19 |
| 32 T 6668 | 7C7/w* | N | 7 | . 25 | . 22 |
| 32 T 6669 | 10C70C $\dagger$ | P | 10 | . 28 | . 25 |
| 32 T 6670 | 1.41/2 | Q | , | . 70 | . 63 |
| $34 T 5107$ | 120MB $\ddagger$ | K | 3 | . 51 | . 44 |

## JONARD RELAY TOOLS PDCKET CLEANER-BURNISHERS

Compact penfile for cleaning and burnishing relay contacts, Replaceable steel blades leave no residue. Plastic cap permits work. ing on "live" contacts. Chromed barrel with pocket clip. With 12 blades. Size: $3 / 8 \times 51 / 2^{\prime \prime}$ Shpg. wt., 502.
P.4 Penfile with 12 RB-4, 1/ax11/4" blades 12 † 2205

Net 3.90 P-6, Penfile with 12 RB-6, K $\times 13 / /^{\circ}$ blades. 12 S 2206 Net 3.90
RB.4, Replacement blades for P-4, pkg. 25 12 T 2207 Shpg. wt., 4 oz. ........ Net 3.7
RB-6, Replacement blades for P-6, pkg. 25
12 T 2208 Shpg. wt., 4 oz. .............. Net 3.75

## RELAY SERVICE TOOL KIT

## - Fits Pocket or

 Tool Kit- Tools For Adjust. ing, Calibrating, and Servicing Relays

Compact kit of carefully selected, finest quality carbon steel tools for use on relays. Dielectric tools heavily insulated for use on "Ilive", high voltage circults. Kit includes spring adjuster; armature arm bender; arma ture stop bender; relay spring duckbill plier; burnisher; relay spring tension gauge, $0-50$ grams; fine point tweezer; swivel head screwdriver; all in zippered leather carrying case. Shpg, wt., 2 lbs. KR-6 Relay Adjusting Kit

## SPRING TENSION GAUGES

Precision gauges for determining tension of relay and other electronic springs. Engraved scale, front and back for indicating horizontally or vertically. Center-to-left or center-to-right reading. $11 / 2 \times 5^{\prime \prime}$. Shpg. wt., $1 / 2 \mathrm{lb}$ G-10, $0-10 \mathrm{gram}$ gauge in 1 gram steps. 12 T 2210

Net 6.48
G-50, 0-50 gram gauge in 5 gram steps.
12 T 2211 ...........................................Net 6.48

## d

 PILOT LAMPS-FLASHLIGHT BULBS

For radio and T.V. pilot lights, panels, flashlights, toys, appliances, coin machines, efc Base code: 1- single contact flanged, 2- miniature screw, 4- special, 5 - single contact midget, 6- single contact bayonet, 7. double contact bayonet, 8- midget screw, 9. miniature bayonet, 10- two pin, 11- sub-midget flanged, 12. $1^{\prime \prime \prime}$ tinned leads. Under AMPS, CP means candle. power. t-25,000 hour subminiature lamp, $\ddagger-40,000$ hour. *- 50,000 hour, - 100,000 hour. Shpg. wt., box 10 is 407.1 lamp, $20 z$.

| Stock No. | $\begin{aligned} & \text { GE } \\ & \text { NO. } \end{aligned}$ | Volt | Amp |  |  | $\begin{aligned} & \text { Net } \\ & \text { e Ea. } \end{aligned}$ | $\begin{aligned} & 10 \\ & \text { e. For } \end{aligned}$ | Stock No. | $\begin{aligned} & \text { GE } \\ & \text { No. } \end{aligned}$ | Volt | Amp |  |  | $\begin{aligned} & \mathrm{Nei} \\ & \text { se Ea. } \end{aligned}$ | $\begin{aligned} & \text { et } 10 \\ & \text { 2. For } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 660 | PR-2 | 2.4 | 0.50 | A | 1 | . 20 | 1.23 | 32 T 6693 | 381* | 6.3 | 0.20 | P |  | 17 | 6.9 |
| 32 T 6602 P | PR-3 | 3.6 | 0.50 | A | 1 | 20 | 1.23 | 3216694 | 382* | 14 | 0.08 | P |  | 1.34 | 7.99 |
| 32 T 6603 | PR-4 | 2.3 | 0.27 | A | 1 | . 20 | 1.23 | 32 T 6695 | 387 $\dagger$ | 28 | 0.04 | P | 5 | . 78 | 4.66 |
| 32 T 6604 | PR-6 | 2.5 | 0.30 | A |  | . 20 | 1.23 | 32 T 6686 | 407 | 4.9 | 0.30 | H |  | 21 | 1.29 |
| 32 T 6605 | PR-12 | 5.95 | 0.50 | A | 1 | 20 | 1.23 | 32 T 6641 | 425 | 5 | 0.50 | H | 2 | 20 | 1.23 |
| 32 T 6606 | PR-13 | 4.75 | 0.50 | A | 1 | 20 | 1.23 | 32 T 6642 | 428 | 12.5 | 0.25 | H | 2 | 17 | 1.05 |
| T 6607 | 12 | 6.3 | 0.15 | 01 | 10 | . 25 | 1.51 | 32 T 6643 | 432 | 18 | 0.25 | - | 2 | 22 | 1.34 |
| 32 T 6608 | 13 | 3.7 | 0.30 | H | 2 | 17 | 1.05 | 32 T 6644 | 433 | 18 | C. 25 | G | 9 | . 28 | 1.6 |
| 32 T 6609 | 14 | 2.5 | 0.30 | H | 2 | . 17 | 1.05 | 32 T 6645 | 502 | 5.1 | 0.15 | H | 2 | . 17 | 1.05 |
| 32 T 6610 | 27 | 4.9 | 0.30 | H | 2 | . 20 | 1.23 | 32 T 6646 | 605 | 6.1 | 0.50 | H | ? | 20 | 1. |
| 3216611 | 31 | 6.2 | 0.30 | H | 2 | . 22 | 1.34 | 32 T 6696 | 68 | 5 | 0.06 | R 1 | 123 | 3.29 | 19.7 |
| 32 T 6612 | 40 | 6.8 | 0.15 | B | 2 | . 15 | . 86 | 32 T 6597 | 682 | 5 | 0.06 |  | 114 | 4.11 | 24.53 |
| T6613 | 41 | 2.5 | 0.50 | B | 2 | . 22 | 1.35 | 32 T 6698 |  | 5 | 0.06 |  | 123 | 3.29 | 19.7 |
| 16614 | 42 | 3.2 | 0.35 | B | 2 | 28 | 1.68 | 32 T 6699 |  | 5 | 0.06 | S 1 |  | 4.11 | 24.5 |
| 3216615 | 43 | 2.5 | 0.50 | C | 9 | . 22 | 1.35 | 32 T 6901 | 715 | 5 | 0.115 | R 1 |  | 3.29 | 19. |
| 32 T 6616 | 44 | 6.8 | 0.25 | C | 9 | . 15 | . 86 | 32 I 6902 | $718 \ddagger$ | 5 | 0.115 |  |  | 4.11 | 24. |
| 32 T 6617 | 45 | 3.2 | 0.35 | C | 9 | . 18 | 1.13 | 32 T 6903 | 755 | 6.3 | 0.15 | C |  | . 29 | 1.6 |
| 3216618 | 46 | 6-8 | 0.25 | B | 2 | . 15 | . 86 | 32 T6904 | 756 | 14 | 0.08 |  | 9 | . 36 | 2.0 |
| 32 T 6619 | 47 | 6-8 | 0.15 | C | 9 | . 15 | . 86 | 32 T 6905 | 757 | 28 | 0.08 | - | 9 | 46 | 2.66 |
| 16620 | 48 | 2.0 | 0.06 | B | 2 | . 22 | 1.35 | 3216647 | 1129 | 6-8 | 21C.P. | , | 6 | 32 | 1.90 |
| 32 T 6621 | 49 | 2.0 | 0.06 | C | 9 | . 18 | 1.13 | 32 T 6648 | 1133 | 6 | 32C. | J | 6 |  | 2.42 |
| 32 T 6622 | 50 | 6.8 | 1 C | H | 2 | . 16 | . 92 | 321667 | 1156 | 12 | 32C.P |  | 6 | . 47 | 2.77 |
| 32 T 6623 | 51 | 6.8 | 1C.P. | G | 9 | . 14 | . 14 | 32 T 6649 | 1446 | 12 | 0.20 | H | 2 | . 26 | 1.5 |
| 3216624 | 53 | 14.4 | 0.12 | G | 9 | . 14 | . 84 | 32 T 6650 | 1447 | 18 | 0.15 | + | 2 | 20 | 1.23 |
| 32 T 6625 | 55 | 6-8 | 2 C. | G | 9 | . 14 | . 84 | 32 T 6651 | 1449 | 14 | 0.20 | H | 2 | . 16 | 1.00 |
| 2 T 6626 | 57 | 12-16 | 2 C | G | 9 | . 14 | . 84 | 32 T 6652 | 1458 | 20 | 0.25 | - | 9 | . 28 | 1.68 |
| 1 6627 | 63 | 6.8 | $3 C$. | G | 6 | . 18 | 1.07 | 32 T 6653 | 1477 | 24 | 0.17 |  | 2 |  |  |
| 32 T 6628 | 81 | 6 | - | G | 6 | . 22 | 1.33 | 32 T 6654 | 1487 | 12-1 | 0.20 |  | 2 | 26 |  |
| 32 T 6629 | 82 | 6.8 | 6C.P | G | 7 | . 22 | 1.33 | 32 T 6655 | 1488 | 14 | 0.15 | - | 9 | 28 | 1.6 |
| 32 T 6584 | 93 | 12 | 15C.P. | F |  | . 32 | 1.90 | 32 T 6656 | 1490 | 3.2 | 0.16 | - | 9 | 18 | 1.1 |
| 3216630 | 112 | 1.2 | 0.22 | D | 2 | .17 | 1.05 | 3216657 | 1493 | 6.5 | 2.75 | F | 7 | 1.08 | 6.45 |
| 32 T 6631 | 123 | 1.25 | 0.30 | H | 2 | . 17 | 1.05 | 3216688 | 1700 | 6 | 5.5 | , | 6 | . 69 | 4.23 |
| 32 T 6632 | 136 | 1.3 | 0.60 | H | 2 | . 20 | 1.23 | 32 T 6658 | 1768 |  | 0.20 | B | 8 | . 92 | 5.53 |
| 32 T6633 | 222 | 2.2 | 0.25 | D | 2 | . 17 | 1.05 | 32 T 6659 | 1815 | 12-1 | 0.20 | C | 9 | 20 | 1.23 |
| 3216634 | 223 | 2.2 | 0.25 |  | 2 | . $20{ }^{+}$ | +1.23 | 32 T6685 | 1819 | 28 | 0.04 | C | 9 | 35 | 2.10 |
| 32 T6635 | 224 | 2.15 | 0.22 | E | 4 | . 20 | 1.23 | 32 T 6660 | 1820 | 28 | 0.10 |  | 9 |  | 1.8 |
| 3216636 | 233 | 2.2 | 0.27 | H | 2 | . 20 | 1.23 | 3216906 | 1828 | 37. | 0.05 |  | 9 | 67 | 4. |
| 32 T 6910 | 239 | 6.3 | 0.36 | C | 9 | . 26 | 1.53 | 32 T 6661 | 1829 | 28 | 0.07 | C | 9 | . 36 | 2. |
| 32 T 6637 | 248 | 2.5 | 0.80 | H | 2 | . 28 | 1.68 | 32 T 6907 | 1835 | 55 | 0.05 |  | 9 | . 67 | 4.0 |
| 32 T 6638 | 313 | 28 | 0.17 | C | 9 | . 30 | 1.80 | 32 T 6662 | 1847 | 6.3 | 0.15 |  | - | . 18 | 1.1 |
| 32 T 6639 | 327 | 28 | 0.04 | P | 5 | . 71 | 14.20 | 32 T6908 | 1864 | 28 | 0.17 |  | 9 | 50 | 2.9 |
| 32 T 6540 | 328 | 6 | 0.20 | P | 5 | . 55 | 3.29 | 32 T 6663 | 1891 | 12 | 0.24 |  | 9 |  | 1.0 |
| 32 T 6691 | 330 | 14 | 0.08 | P | 5 | 79 | 4.67 | 32 T 6909 | 1893 | 14 | 0.33 |  | 9 |  | 1. |
| 32 T 6692 | $380{ }^{\circ}$ | 6.3 | 0.04 |  |  |  |  |  |  |  |  |  |  |  |  |

Most often used pilot light. Replaces pilot in most electronic entertainment equipment. Imported Shpg. wt., 5 oz. 99 T 6304
Lots of 5 phgs.
phg. of 10
е.... .59

For Illuminating Meters Internally
Used in Lafayette " $S$ " and Modulation panel meters, 99-2507 and 99-2513. Operates on 6 volts $A C$ or DC. Can operate on 12 volts with 2 lamps in series. Shpg. wt., 2 oz . 9976262

## NEON GLOW LAMPS

For 105-125 VAC operation. Screw types have resistor in base for $105-125 \mathrm{v}$ others require external resistor. AC starting voltage shown: DC starting voltage $40 \%$ higher. Shpg. wt., 2 oz.

|  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Stock No. |  | Type | Watts | Start Volt | Base Type | Eact | $\begin{gathered} \text { 10.Up } \\ \text { Each } \end{gathered}$ |
| 32 T 6672 | A1A | NE-2 | 1/25 | 65 | Wire Term. | . 10 | . 08 |
| 32 T 6673 | A9A | NE-2E | 1/10 | 65 | Wire Term. | . 10 | . 08 |
| 32 T 6683 | C2A | NE-2H | 1/4 |  | Wire Term. | . 11 | . 09 |
| 32 T 6674 | B5A | NE. 17 | 1/4 | 55 | D.C. Bay. | . 86 | . 73 |
| 32 T 6675 | B6A | NE-21 | 1/4 | 55 | S.C. Bay. | . 90 | . 71 |
| 32 T 6676 | R2A | NE. 34 | 2 | 60 | Edison | 1.76 | 1.34 |
| 3216677 | R5A | NE. 36 | 2 | 60 | SK. D.C. Bay. | 2.28 | 1.79 |
| 3216678 | R6A | NE-40 | 3 | 60 | Edison | 2.56 | 2.00 |
| 3216679 | B7A | NE-45 | 1/4 | 65 | Cand. Screw | . 81 | . 63 |
| 3216680 | B9A | NE. 48 | 1/4 | 65 | D.C. Bay. | . 67 | . 52 |
| 32 T 6681 | B1A | NE-51 | 1/25 | 65 | S.C. Bay. Min | . 20 | . 16 |
| 32 T 6682 | B2A | NE-51H | $1 / 4$ |  | S.C. Bay. Min | . 22 | . 18 |
| 32 T 6687 | 5AC | NE.68 |  | 60 | Wire Term. | . 40 | . 32 |
| 32 T 6689 | 5AH | NE. 83 | - | 60 | Wire Term. | . 20 | . 16 |

To Speed Your Mail Order-Please Glve Your Z:p Code Number

## E.F. Johnson Pilot Lights

## $\rightarrow$ (

## ONE-INCH ENCLOSED ASSEMBLIES

Attractive, enclosed, candelabra screw base types for 115 V . S6 lamps. Chrome plated threaded jewel permit replacement of lamp from front panel. Mounts in $1^{*}$ hole; may be used on panels up to $3 / 8^{\prime \prime}$ thick. Blnding screw terminals. UL listed. Series 147-1209 have faceted jewel; $23 / 4^{*}$ behing panel. Series $147-1600$ have dome for wide angle visibility; $2 \%_{"}{ }^{\text {m }}$ behind panel. With mounting nut and washer, less lamp. Shpg. wt, 3 oz.
Stock No. Mfg. No. Fig. Jewel Netea. -33 \$ $3246 \quad 1209-2$ A Red faceted 2.00 33 I 3247 1209-3 A Green faceted 2.00 33 T 3248 1209-4 A Amber faceted 2.00 33 T $3249 \quad 1600-2 \quad 8$ Red dome 33 \$3250 1600-3 $\quad 8$ Green dome $\begin{array}{llll}33 & 16251 & 1600-4 & 8 \\ & \text { Amber dome } & 1.95\end{array}$

## 1/2 INCH HORIZONTAL OPEN ASSEMBLIES

| Stock N | Mfg. No. | Socket Color | Net ea. |
| :---: | :---: | :---: | :---: |
| 33 T 3252 | 147-403-2 | bayonef Red | . 68 |
| 3313253 | 147-403-3 | bayonet Green | . 68 |
| 33 T 3254 | 147-403-4 | bayonet Amber | .68 |
| 33 T 3255 | 147-400-2 | screw Red | . 65 |
| 33 T 3256 | 147-400-3 | screw Green | . 65 |
| 33 T 3257 | 147-400-4 | screw Amber |  |

## $1 / 2$ INCH VERTICAL OPEN ASSEMBLIES

(D) Space saver for low voltage incandescent bulbs. Series 147.300 for min. screw base; 147-303 for candelabra base; 147-306 for min. bayonet base faceted jewels. Solder terminals. 7/16" mounting hole. Less lamp. Shpg. wt., 202.

| 147-300 Screw Stock No. | 147.303 Candelabra Stock Mo. | 147-306 Bayonet Stoch No. | Color |
| :---: | :---: | :---: | :---: |
| 33 13258 | 33 T 3261 | 33 T 3264 | Red |
| 3313259 | 3313262 | 33 Y 3265 | Green |
| 33 「 3260 | 33 Y 3263 | 33 T 3265 | Amber |
| Net ea., . 40 | Net ea., 42 | Net ea., 44 |  |

## ONE-INCH MOUNT ASSEMBLIES

(E) Series 147.802 . For 115 V . candelabra screw base bulbs. Semi-enclosed assembly with faceted jewel. Lamp replacement from front or back. Socket portion detaches from panel bushing. $1^{*}$ mounting hole. Shpg. wt. 5 oz .

| Stock No. | Mfg. Type | Color | Net E2 |
| :---: | :---: | :--- | :---: |
| 33 Y 3267 | $147-802-2$ | Red | 1.00 |
| $33 T 3268$ | $147-802-3$ | Green | 1.00 |
| 33 T 3269 | $147-802-4$ | Amber | 1.00 |

## NEON INDICATOR LIGHTS

(F) Miniature bayonet types for NES1 and NE51H neon bulbs. Series $147-1143$ has 18 K built-in resistor for NE51 on 105-125 V AC DC circuit. Series $147-1153$ has 33 K ohm for NE51H high-brightness neon lamps on 110 125V. AC circuit. Threaded Jucite lens gives $180^{\circ}$ light spread. Solder terminals. Mounts in 11/16" hole. Less lamp. Shigg. wt., 3 oz.

| Stock Mo. | 147.1143 Tyge | Stock Me. | $\begin{gathered} 147.1153 \\ \text { Type } \end{gathered}$ |
| :---: | :---: | :---: | :---: |
| 3313270 | Clear | 33 I 3274 | Clear |
| 33 T 3271 | Red | 3313275 | Red |
| 3313272 | Amber | 3313276 | Amber |
| 33 T 3273 | White | 3373277 | Whi |

## THREADED JEWEL ASSEMBLIES

(G) To panel mount with separate lamp sockets. Up to $11 / 32^{\prime \prime}$ panels. $1 / 2^{\prime \prime}$ and $3 / 8^{\prime \prime}$ diameters. Shpg. Wt., 2 oz.

| Dia. | $\begin{aligned} & \text { Red } \\ & \text { Stock No } \end{aligned}$ | Green Stock No. | Amber Stock Mo . |  |
| :---: | :---: | :---: | :---: | :---: |
| ${ }^{*}$ | 331 | 331 | D | . 28 |
| /8* | 33 T 3281 | 3313282 | 33 T 3283 |  |

## (H) PANEL LIGHT

For fromt-of-panel illumination. Pollshed nickel-plated hood is easily removable for lamp replacement: can be rotated to any position. Fits $1 / 2^{\circ}$ mounting hole. Two models, for T3 $1 / 4$ or G31/2 bulbs. Shpg. wt., 202
33 I' 3243 No. 147.329-Miniature bayonet base. Net each 1.35
33 T 3244 No. 147.330-Miniature screw base. Net each.

MINIATURE SCREW TYPE

| Stock No. | Type | Fig. | $\begin{aligned} & \text { Met } \\ & \text { Ea. } \end{aligned}$ | 10 | 100 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 3212800 | 5-01 | K |  |  |  |
| 32 T 2801 | 5-07 | $L$ |  |  |  |
| 32 T 2802 | 5-04 | M | 25 | 2.00 | 15.00 |
| 32 T 2803 | 5-05 | N |  |  |  |
| MINIATURE BAYONET TYPE |  |  |  |  |  |
| 32 T 2804 | 7.01 | K |  |  |  |
| 32 T 2805 | $7-07$ | 1 |  |  |  |
| 32 T 2806 | 7.04 | M | . 30 | 2.00 | 15.00 |
| 32 T 2807 | 7.05 | N |  |  |  |
| CANOELABRA TYPE, 115 VOLT |  |  |  |  |  |
| 32 T 2808 | 6-01 | K |  |  |  |
| 32 T 2809 | 6.07 | 1 |  |  |  |
| 32 T 2810 | 6-04 | M | . 25 | 2.00 | 15.00 |
| 3212811 | 6-05 | N |  |  |  |

## LAFAYETTE SPECIAL NEON ASSEMBLY

For operation on 110 volts AC. Requires 100k resistor in series. When used with 200 v . use 250 k resistor In series. AC starting voltage 60 v . Servicing Ilfe, 5000 to $\mathbf{1 0 , 0 0 0}$ operating hours. Chrome finish. Imported. Shpg, wt., 2 oz

| Stock No. | enter | Net ea. | Lots of 10 |  |
| :--- | :--- | :---: | :---: | :---: |
| 99 Y 6224 | Yellow | .39 | .35 |  |
| 99 Y 6225 | Amber | .39 | .35 |  |
| 99 J 6226 | Red | .39 | .35 |  |

## LAFAYETTE HOBBYIST PILOT LIGHT ASSEMBLIES

- Ideal for the Builder and Experimenter
for both miniature screw and miniature bayonet lamps. Bulb replaceable from front of panel. Transparent plastic dome for $180^{\circ}$ visibility. Front mounting with nickel finish nut and lockwasher. Solder terminals. $\$ / 0^{"}$ mounting hole. Less lamp. Imported. Shgg. wh., 302.

|  | Screw Stock No | Color | Bayonet Stock No. | Net Ea. | Lots of 10 Ea |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 9 Y 6332 | Red | 99 I 6339 | . 39 | . 35 |
|  | 9 T 6333 | Clear | 9916340 | . 39 | . 35 |
|  | 9 T 6334 | Amber | ,99 T 6341 | . 39 | . 35 |
|  | 9 T 6335 | Green | 99 Y 6342 | . 39 | . 35 |
| ILLUMINATED NUMERAL LAMP |  |  |  |  |  |

Bayonet type socket with 11 Interchangeable plastic lenses numbered 0 thru 9 , plus one blank. Mounting hole $1 / 4^{\prime \prime}$. Length $11 / 2^{\prime \prime}$. Shpg. Wt., 601 . 99 โ 6349

Net 1.39

## SOCKETS FOR NEON, ARGON AND PILOT LAMPS


(P) Cleat Receptacle with Edison Socket. 13 T 8127 Shpg. wt.t 302.

- Net 25 (P) Receptacle with miniature screw socket. 13 T 812 F Shpg. wt., 3 oz. Net 19 (P) Receptacle with candelabra socket. 13 T 8129 Shpg. wt., 3 ot. .............Net . 19 (Q) Recessed receptacie with candelabra socket.
13 I 2350 Shpg. wt. 3 oz. Net . 56
(R) Recessed receptacle with double contact bayonet socket. Top mounting. 13 T 3401 Shpg. wt., 3 oz.

Net .59 (S) Double contact bayonet candelabra socket 13 T 3402 Shpg. wt., 3 oz. Net 1.49
(S) Single contact bayonet candelabra socket 13 T 3403 Shpg. wt., 3 oz. ........... Net 1.39

# Pilot and Indicator Lights 

## SYLVANIA INDICATOR SOCKETS, LAMPS AND COLOR CAPS INDICATOR SOCKETS

Sockets are molded of tough Lexan plastic. The metallic parts of the lamps and sockets are nickel pisted. Sockets are front panel mounted by means of clips. Can be mounted from front of chassis. Strip soctrels can be cut to any size. Engineered for economical efficient service Indicator lamps can be changed from front of panel. Description of lamps is below.

## END CDLOR CAPS

Available in large profax and pyrex hard glass types. In 5 colors.



4

## (NOICATOR SOCXETS (Single-Socket Type)

34 T $513530150-0$ Round. Body Size: $41 / 4 \times 1 / 2^{\prime \prime}$ dia. Flange: $31 / 10$ dia. $1.9 \quad$ Ea. 26 10-99 Ea. $24^{100 \text { Up .............. } 22}$ 34 T 5136 30151-0 Rectangular, Same body size as above. Flange:教 $\times 7 / 4$ "
1.9
1.9
Ea. .26
10.99
Ea. 24
100.Up
Ea. 22

Overall depth, $56 / 64^{\prime \prime}$ (less pins). Sockets are ${ }^{48 / 4} \times 1 / 2^{\prime \prime}$ dia. 34 T 5137 . $31250-01 / \mathbf{2}^{\prime \prime}$ center, alternate contacts. 1-9......Ea. 2.98 10-19 2...Ea. 2.79 20-49 Ea. 2.54 34 T $5138.31275-03 / 4^{\prime \prime}$ center, alternate contacts, 1.9 … Ea. 2.98
 34 T5139. $33250-01 / 2^{-4}$ center, individual contacts, 1.9.... Ea. 3.10 10.19 Ea. 2.95 20-49 2.75 34 T 5140. $33275-0$ 3/4" center, individual contacts. 1.9.....Ea. 3.10

000 hours. Bulb-clear T2. Base Sllde Trpe consisting of

| Stock No. | Mfr's Yype | Volts | Current (ma) | End FeotCandles | 1.9 | $\begin{gathered} \text { EACH } \\ 10.99 \end{gathered}$ | 100.4p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 34 T 5158 | $34861-0$ | 48.0 | 35.45 | 2000 | . 51 | . 48 | . 42 |
| 34 T 5159 | 31650-0 | 16.0 | 35.45 | 900 |  |  |  |
| 34 T 5160 | $31630-0$ | 16.0 | 15-20 | 150 |  |  |  |
| 34 T5161 | $31860-0$ | 18.0 | 34.45 | 1000 |  | 40 |  |
| 34 T 5162 | 32455-0 | 24.0 | 35-45 | 1100 |  | 4 | . 3 |
| 34 T 5163 | 324900 | 24.0 | 15-20 | 200 |  |  |  |
| 34 T 5164 | 32900-0 | 28.0 | 35.45 | 1285 |  |  |  |



## SLIDE BASE LAMPS



| $\begin{aligned} & \text { STOCK } \\ & \text { NO. } \end{aligned}$ | $\begin{aligned} & \text { Lamep } \\ & \text { NO. } \end{aligned}$ |  | VOLTS | Wat's | $\begin{aligned} & \text { END FOOT } \\ & \text { CAMDLES } \end{aligned}$ | 1.9 | $\begin{aligned} & \text { HET E } \\ & 10.99 \end{aligned}$ | $\begin{aligned} & 100.4 \mathrm{PA} \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 34 T5108 | 6 | PSB | 6 | 8 | 800 | . 51 | . 44 | . 42 |
| 34 T 5109 | 12 | PSB | 12 | 2.0 | 2400 | . 51 | . 44 | . 42 |
| 34 T 5110 | 24 | PSB | 24 | 1.7 | 2200 | . 51 | . 44 | 42 |
| 34 T 5111 | 28 | PSB | 28 | 1.1 | 1900 | . 51 | . 44 | .42 |
| 34 T 5112 | 48 | PSB | 48 | 2.5 | 1500 | . 51 | . 44 | . 42 |
| 34 T5113 | 60 | PSB | 60 | 3.0 | 2400 | . 51 | . 44 | .42 |
| 34 T5114 | 120 | PSB | 120 | 3.0 | 1600 | 51 | . 44 | 42 |

## LNEE-O-LITE PILOT LIGHTS

Rectangular pilot light, lamp is high inten sity neon, and unit has internal resistor. White nyion housing, chrome piated bezel. Plastic lens size $\left.1 / 4 \times 1 y_{1}\right)^{*}$. Mounts in hole $1 \%$, $\times 13 / 32^{\prime \prime}$, with speed nut supplied.
Shpg. wt. 402.
34 I 5219 Red lens
34 T 5220 Amber Lens
34 T 5245 White Lens
Net ea. . 60


# Batteries-Burgess, Eveready, RCA, Mallory <br> PORTABLE A TYPES 

## MALLORY DURACELL <br> \section*{MERCURY BATTERIES}



Types with T Suffir have solder tabs. have
snap connectlons. Shipping weight varies snap connectlons. Shipping weight varies from 102 . to $1202 . \mathrm{max}$.

Stock No. Type No. Volts Net Per Package 32 T 4650 RM1 1.4 pkg. of 21.14 $\begin{array}{lllll}32 \text { T } 4651 & \text { RM1R } & 1.35 & \text { pkg. of } 2 & 1.28 \\ 32 \text { T } 4652 & \text { RM3R } & 1.35 & \text { pkg. of } 2 & 2.10\end{array}$ $\begin{array}{lllll}32 \mathrm{~T} & 6553 & \text { RM4R } & 1.35 & \text { pkg. of } 2 \\ 32 \mathrm{~T} & 2.654 & \text { RM4Z } & 1.4 & \text { pkg. of } 2 \\ 32 & 2.00\end{array}$ 32 T 4655 RM12 1.4 pkg. of $2 \quad 1.34$ $\begin{array}{lllrr}32 \text { T } 4656 \text { (D) RM428 } & 1.35 & \text { Each } & 3.15 \\ 32 \text { T } 4657 & \text { RM312 } & 1.4 & \text { pkg. of } 2 & .48\end{array}$ | 32 T 4658 | RM 400 R | 1.4 | pkg. of 2 | .48 |
| :--- | :--- | :--- | :--- | :--- |
| 1.35 | pkg. of 2 | .70 |  |  |

 $\begin{array}{lllllr}32 \text { T } 4662 & \text { RM520 } & 1.4 & \text { pkg. of } 2 & .34 \\ 32 \text { T } 4663 & \text { RM601R } & 1.35 & \text { pkg, of } 2 & 1.66\end{array}$ 32 T 4664 RM625R 1.35 pkg. of $2 \quad 1.06$

| 32 T 4665 | RM625RT | 1.35 | pkg. of 2 | 1,16 |
| :---: | :---: | :---: | :---: | :---: |
| 32 T 4666 | RM630 | 1.4 | pkR. of 2 | 84 |
| 32 T 4667 | RM640 | 1.4 | pkg. of 2 |  |
| 32 T4668 | RM675 | 1.4 | pkg. of 6 | 1.9 |
| 32 T 4670 | TR115R | 6.75 | Dkg. of 2 | 4.1 |
| 32 T 4671 | TR126 | 8.4 | phg. of 2 | 2.6 |
| 32 T 4672 | TR132R | 2.7 | pkg. of 2 | 2.3 |
| 32 T 4673 | TR133R | 4.05 | pkg. of 2 | 2.70 |
| 32 T 4674 | TR134R | 5.4 | phg. of 2 | 3.44 |
| 32 T 4675 | TR135R | 6.75 | pkg. of 2 | . |
| 32 T 4676 | TR136 | 8.4 | pkg. of 2 | 4.5 |
| 32 T 4677 | TR146X* | 8.4 | pkg. of 2 | 2.64 |
| 32 T 4678 | TR163 | 4.2 | pkg. of 2 | 2.62 |
| 32 T 4679 | TR164 | 5.6 | pkg. of 2 | 2.64 |
| 32 T 4680 | TR165 | 7.0 | pkg. of 2 | 3.40 |
| 32 T 4681 | TR169 | 12.6 | Each | 3.50 |
| 32 T 4682 | TR175 | 7.0 | pkg. of 2 | 2.10 |
| 32 T 4683 | TR177* | 9.8 | pkg. of 2 | 2.64 |
| 32 T4684 | TR233 | 4.2 | pkg. of 2 | 4.68 |
| 32 T 4685 | (A) 2 M 9 | 1.4 | pkg. of 2 | 1.28 |
| 32 T 4686 | ZM12 | 1.4 | pkg. of 2 | 2.10 |
| 32 T 4687 | PX-1 | 1.35 | Each | . 66 |
| 32 T 4688 | PX13 | 1.35 | phg. of 2 | 1.00 |
| 32 T 4747 | PX825 | 1.5 | pkg. of 4 | 1.32 |
| 32 T 4692 | P×29 | 4.05 | pkg. of 2 | 2.3 |

## SILVER DXIDE BATTERIES

 $\begin{array}{lllll}32 \text { T } 4695 & \text { MS13 } & 1.5 & \text { pkg. of } 6 & 1.62 \\ 32 \text { T } 4693 & \text { MS41 } & 1.5 & \text { pkg. of } 6 & 1.62\end{array}$ 32 T 4694 MS76 $\quad 1.5$ pkg. of $6 \quad 1.80$
## RECORDER BATTERIES

| Stock No. | Burgess <br> Type | Volts | Shpg. Wt. Net |  |
| :--- | :--- | :--- | :--- | :--- |
| 32 T 3903 | $2 \times 7$ | $101 / 2$ | $1 / 2$ | 1 b. |

## WILLARD RECHARGEABLE BATTERIES



TYPE 25-2. Rated at 2 volts for 21 ampere. hours. Original equipment in G.E. models 250 and 260 . Size: Shipped dry $21 / 32 \times 2^{31} / 22^{2} \times 6^{\prime \prime}$
Shpg. Wt., $27 / 4$ lbs
32 T 5801 shpg. wt., $23 / 4 \mathrm{lbs}$...... Net 11.25
TYPE ER6.28 Photo-Flash Battery. Rated at 2 volts for 6 amp . hours. Up to 250 flashes per charge. Size: $111 / 10 \times 23 / \times 41 / 4^{\prime \prime}$. Shipped dry, Shpg. wt., $11 / 2$ los. 32 T 5802

Net 6.75
TYPE ER6-4B Photo-Flash Battery. Similar to above but rated 4 volts for 6 amps. Size: $33 / \mathrm{e} \times 2 \mathrm{~F} / \mathrm{x} \times 4 \mathrm{y} / 4^{\prime \prime}$. Shipped dry. Shpg. wt. 2 lbs . 32 T 5701 Shpg. wt., $24 / 4$ lbs. ..... Net 12.95

Avg. Shpg. Weight 102.


BATTERY CLIPS

| Stock No. | Fis. | For Burgess | $\begin{aligned} & \text { Net } \\ & \text { Ea. } \end{aligned}$ |
| :---: | :---: | :---: | :---: |
| 34 T 1001 | A | $\begin{aligned} & \text { P6, D5, P6M, M6 } \\ & \times \times 45, \times \times 30, \times \times 50 \end{aligned}$ | . 05 |
| 34 T1002 | B | $\begin{aligned} & \text { K45, P45, P45M, } \\ & \text { P60, D6, 4D4, } \\ & \text { N60X, C6X } \end{aligned}$ | . 05 |
| 99 T $6287^{*}$ 99 T $6288^{*}$ | C | 2U6, U30, 2N6 same, pkg. of 5 | .29 .69 |
| 34 T 1004 | D | $\begin{aligned} & \mathrm{xx5Q}, \mathrm{P45} \\ & \mathrm{P} 60, \mathrm{~N} 60 \mathrm{X} \end{aligned}$ | . 27 |


| Lafayette "Eveready" |  |  | R.C.A. | Oimen. In inches LXWXH | Volt. age | Shpg. Wt. Lbs. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Stock No. | No. | gess |  |  |  |  |  |
| 32 T 4819 | 1050 | 230 | VS336 | 116: diam. $\times 2^{13 / 1 / 2}$ | $11 / 2$ | 4 | 19 |
| 32 T 4820 | 720 | 20 | VS069 | $21952 \times 13 / 4 \times 31 / 2$ | $11 / 2$ | 36 | 1.15 |
| 32 T 4821 | 742 | 4F | V5004 | 2\% $\times 2 \% \times 1 \times 331 / 3$ | $11 / 2$ | 13\% | 1.15 |
| 32 T 4822 | 964 | $21 R$ | VS236 | $11 / 2 \mathrm{diam} \times 4$ | $11 / 2$ | 3/8 | . 52 |
| 32 T 4823 | 206 | 16 | VS327 | $4{ }^{4} \times 1 \% \times 21 \%$ |  | 1/8 | . 62 |
| $32 \text { I } 4824$ | 736 | F3 | VS067 | 31\%6x $\%_{1} \times 4 \%_{2}$ | 41/2 | 1 | 1.23 |
| 32 T 4826 | 718 | $2 F 4$ |  | $32 \%$ \% $31 / 4 \times 5 \%$ | 42 | 21/4 | 2.87 |
| 32 T 4827 32 T 4828 | 724 | 24 | VS068 | 13/8x11/2x | 6 | 1/8 | . 8.87 |
| 32 T 4828 | 744 | F4P1 | VS345 | $2 \mathrm{x} / 5_{2} \times 2 \times 1 / 2^{2} \times 3^{3}$ | 6 | 13\% | . 15 |
| 32 T 4829 | 707 | D5 | VS315 | $2 \%_{0} \times 2 \%_{2} \times 2 \%_{0}$ | 71/2 | 1/4 | 1.15 |
| 32 T 4830 | 713 | B5 | VS129 | 3 $21 / 2 x^{5} 36 \times 2$ | 71/2 | \% | 2.27 |
| $32 \text { T } 4831$ | 717 | C5 | VS065 |  | $71 / 2$ | $1 / 2$ | 1.23 |
| 32 T 4832 | W353 | 2 F | VS141 | 21953x $31 / 6 \times 41 / 4$ | 11/2 | 11/4 | 1.22 |

## PORTABLE B TYPES

| 32 T 4833 | 411 | U10 | V 5083 | 10\% | 15 | 16 | 1 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 T 4834 | 417 | K10 |  | $1 \%_{1} x^{3} y_{2} \times 1 \%_{6}$ | 15 | $1 / 1$ | 1.28 |
| 32 T 4835 | 504 | Y10 | vS704 |  | 15 | K。 | 81 |
| 32 T 4836 | 412 | U15 | VS084 | $11 / 2 x^{5 / 6} \times 2$ | 2212 | 1/0 | 1.05 |
| 32 T 4837 | 420 | K15 |  | $1 \%_{6} \times 31 / 83 \times 2 \%_{6}$ | 221/2 | 1/8 | 1.44 |
| 32 T 4838 | 505 | Y15 | VS705 | 5/8x ${ }^{1 / 5} 5 \times 14 / 4$ | 221/2 | 16 | 1.05 |
| 32 T 4839 | 413 | U20 | VS085 | $11 / 3 \times 5 / 0 \times 2 \%_{6}$ | 30 | 1/8 | 1.23 |
| 32 T4840 | 506 | Y20 |  | 11/4x+8x ${ }^{12 / 4}$ | 30 | $x_{6}$ | 1.30 |
| 32 T 4841 | 507 | Y20S | - | $16_{1} \times 1 \%_{2} \times 2 \%_{6}$ | 30 |  | 1.30 |
| 32 T 4805 | 415 | U30 | VS086 | 11/4x50x | 45 | 1/8 | 1.75 |
| 32 T 4842 | 455 | $\times \times 30$ | V SO55 | $211 / 2 \times 1 \times 311 / 4$ | 45 | 1/2 | 2.27 |
| 32 T 4810 | 482 | M30 | VS013 | 31/2, $\times 2 \times 2 / 50 \times 51 / 2$ | 45 | 1 | 2.97 |
| 32 T4843 | 484 | B30 | 50344 | $331 / 3 \times 21 / 32 \times 5 \%$ | 45 | 31/4 | 3.47 |
| 32 T 4844 | 487 | D30 | - | $51 / 3 \times 21 / 4 \times 71 / 4$ | 45 | 41/0 | 4.20 |
| 32 T 4845 | 738 | 230 | VS015 | $3 \times 2 \% \times 41 / 6$ | 45 | 14/4 | 2.76 |
| 32 T 4846 | 416 | UX45 | VS318 | $12140 \times 1 / 4 \times 31 / 2$ | 671/2 | 1/4 | 2.07 |
| 32 T 4847 | 457 | K45 | VS082 | 21 ¢0 $\times 13 \times 21 / 2$ | 6712 | 1/2 | 2.97 |
| 32 T 4848 | 467 | XX45 | VS016 | $21 \mathrm{~K} \times 13 \mathrm{Br3} \times 3 / 4$ | 671/2 | 1/2 | 2.70 |
| 32 T 4849 | 477 | P45 | VS218 | $12418 x^{4} \times 5 \times 5 \%$ | 671/2 | $1 / 2$ | 2.70 |
| 32 T 4850 | 437 | XX50 | VS217 |  | 75 | 2/3 | 3.15 |
| 32 T 4851 | 479 | P60 | VS219 | 131/29 $\times 11 / 52 \times 71 / 38$ | 90 | $3 / 4$ | 2.97 |
| 32 T 4817 | 490 | V60 | VS090 | 34/39 $\times 13 / 8 \times 34 / 4$ | 90 | 1 | 3.15 |
| 32 T 4853 | 495 | N60X | V5316 |  | 90 | 1 | 3.47 |
| 32 T 4855 | W361 | XX69 |  |  | 1031/2 | 2 | 4.86 |
| 32 T 4856 | 493 | U200 | VS093 | $23 / 4 \times 21 / 2 \times 37 / 8$ | 300 | 2 | 8.37 |

## PORTABLE A-B TYPES



PHOTOFLASH ANO HIGH VOLTAGE TYPES

| 32 T 4856 | 493 | U200 | VS093 |  | 300 | 3/4 | 0.37 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 T 4880 | 497 | U320 | , | $3 \times 1195 \times 54 / 8$ | 510 | 178 | 13.00 |
| 32 T 4881 | 492 | N150 | - | $3 \% \times 23 / 4 \times 43 / 4$ | 225 | 2 | 7.65 |
| 32 T 4882 | 491 | U160 | - | 2\% $\times 1 \% \times 4{ }^{1 \%}$ | 240 | $3 / 4$ | 7.20 |

## NICKEL CADMIUM RECHARGEABLE BATTERIES

Hermetically sealed steel nickel cadmium cells. High energy, long lasting, unaffected by idle periods. May be recharged many times. All are 1.25 average discharge voltage. All capacities rated in milli-ampere-ohm except $\ddagger$ rated in ampere-hours.

| Lafayette <br> Stock No. | "Eve. ready" Na. | $\begin{gathered} \text { Burgess } \\ \text { Wo. } \end{gathered}$ | GouldNat'l. | Cap. | $\ln \mathrm{Oz}$ | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 T 4746 | 820 | CDI | 208 | 20 | 04 | 1.05 |
| 32 T 4730 | 850 | CD2 | 508 | 50 | 0.12 | . 74 |
| 32 T 4731 | B100 | CD8 | 1008 | 100 | 0.32 | . 85 |
| 32 T 4732 | - B100 | CD8L | -1008L | 100 | 0.32 | . 95 |
| 32 T 4735 | B225 | CD4 | 2258 | 225 | 0.44 | . 88 |
| 32 T 4736 | * B225T | - CD4 4 | - 225 BL | 225 | 0.44 | 1.03 |
| 32 T 4737 | B450 | CD5 | 4508 | 450 | 1.16 | 1.47 |
| 32 T 4738 | - B450t | - CDS | * 450BL | 450 | 1.16 | 1.60 |
| 32 T 4739 | * C4SOT | - CD6L | - 500SCL | 450 | 0.80 | 1.92 |
| 32 T 4740 (AA) | C450 | CD6 | 500SCB | 450 | 0.80 | 1.40 |
| 32 T 4741 | C900 | CD9 | 900 SCB | 900 | 1.40 | 3.01 |
| 32 T 4888 (C) | CH1.5 |  | $1.85 C B$ | 1.5 | 3.20 | 4.06 |
| 32 T 4889 (D) | CH4 | CD10 | 4.0SCB | 4 | 6.40 | 5.71 |
| "Types with "T" or "L" Identification have Tabs for Soldering to Cells |  |  |  |  |  |  |
| Designations "D", "C" or "AA" appearing in parenthesis on this and the adjacent page, indicate the most popular size $11 / 2$ volt batteries. These are avaliable in carbon, alkaline, mercury and nickel cadmium types. |  |  |  |  |  |  |



POPULAR SIZES AT POPULAR PRICES
Popular batteries for portable and transistor sets. flashlights and toys. For hearing aids and transistor sets. Imported.


| Stock Wo. | Volt. age | Singly | $\begin{array}{r} \text { Lots } \\ \times 10 \text { Ea. } \\ \hline \end{array}$ | $\cdots$ |  | Replaces |  | Shpt. Wt. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Net | Fig. ure | RCA | Bur- Eve. gess ready |  |
| 99 T 6256 | $11 / 2(\mathrm{D})$ | . 15 | 1.20 | D | VS036 | 2 | 950 | 4 02. ea. |
| 9976257 | $11 / 2$ (C) | . 14 | 1.20 | E | vSO35 | 1 | 935 | 302. e |
| 9976258 | $112(A A)$ | . 10 | . 69 | F | vS034 | $z$ | 915 | 202. |


| ( ALNALINE BATIERIES |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 99 T 6292 | 112( ${ }^{\text {( ) }}$ | Ea. 49 | D | VS1336 | AL2 | E95 | 402. |
| 9976293 | $112(\mathrm{C})$ | Ea. 39 | E | VS1335 | ALI | E93 | 202. |
| 99 T 6294 | $112(A A)$ | Ea. . 29 | $F$ | VS1334 | AL9 | E91 | 102. |
|  | NICKEL CADMIUM BATTERY |  |  |  |  |  |  |
| 32 T 4740 | $11 / 4(A A)$ | Ea. 1.40 | F | - | C06 | C450 | 102. |

## 9-VOLT TRANSISTOR RADIO BATTERY

## MANGANESE ALKALINE BATTERIES

Up to 10 times longer life. Do not require rest period, operate with same efficiency in continuous or intermittent service.

| Stock No. | $\begin{aligned} & \text { Eve- } \\ & \text { ready } \end{aligned}$ | heplaces |  |  | $\begin{aligned} & \text { Shpt. } \\ & \text { volt. W. } \\ & \text { age 02. } \end{aligned}$ |  | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Mallory | R.C.A. | Burgess |  |  |  |
| 32 T 4883 | E94 |  |  |  | 1.5 | 1.8 | . 39 |
| 32 T 4884 (0) | E95 | MN1300 | VS1336 | AL2 | 1.5 | 4.1 | . 60 |
| 32 T 4886 (AA) | E91 | MN1500 | VS1334 | AL9 | 1.5 | 9 | 33 |
| 32 T 4887 (C) | E93 | MN1400 | VS1335 | AL1 | 1.5 | 2. | 43 |
| 32 T 4892 | E90 | MN9100 | VS1073 | ALN | 1.5 | 3 | . 27 |
| 32 T 4893 | E92 | MN2400 | VS1074 | AL7 | 1.5 | . 4 | . 33 |
| 32 T 4645 | 523 | MN1306 | VS1149 | AL133 | 4.5 | 9 | . 84 |
| 32 T 4742 | 563 | - | VS1563 |  | 4.5 |  | 2.76 |
| 3274874 | 560 | - | VS 1560 | - | 7.5 | 2. | 4.62 |
| 32 T 4743 | 564 | - | VS1564 | - | 13.5 | 5.8 | 9.94 |

## KEYSTONE BATTERY HOLDERS

Battery Holders are made of Aluminum Alloy,
sturdy construction with insulated, nickel
plated Brass eyelets. All multiple holders
mount batteries side by side except items
marked "mount end to end. Av. shpg. wt., 3 ozs.

| Stoch No. | Molds | Burkess | Eveready | HCA | Madtery | $\begin{aligned} & \text { Net } \\ & \text { Ea. } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 34 T500, | 1 |  |  |  |  | . 23 |
| 34 T 5002 | 2 |  |  | VS074 | MN2400 | . 38 |
| 34 T 5003 | 3 |  | 912, | VS1074 | Wn2400 | . 49 |
| 34 T 5004 | 4 |  |  |  |  |  |
| 34 T 5005 | 1 |  |  |  | RM12R, | . 23 |
| 34 T 5006 | 2 | Z,9R, | E133, E502 |  | TR133R. | . 38 |
| 34 T 5007* | 2 | $Y 15$ | 505,915 | V59 | RM502R, | . 45 |
| 34 T 5008 | 3 | C06 | 1015E, C450 |  | 214.9 | . 49 |
| 34 T 5009 |  |  | 1015e, Cuso |  | TR233R | . 64 |
| 34 T 5010 | 1 |  |  |  |  | . 30 |
| 34 T 5011 |  | AL2 |  | V5035 | MN1300 | . 18 |
| 34 T S013 | 1 | 2, ${ }^{\text {, }}$ |  |  |  | . 30 |
| 34 T 5014. | 2 | 24. | CH4 | V 51336 | RM42R | . 38 |
| 34 T5015* | 2 | CD10 |  |  |  | . 46 |
| 34 T 5016 | 1 | $U 15$ | 412 | VS084 | PM412R | . 30 |


"STORAGE CELL" for TRANSISTOR RADIOS
ONE CHARGEABLE BATTERY OUTLASTS DOZENS OF CONVENTIONAL BATTERIES
 $11 / a x$ \%"' imported. Shpg. wt., 6 oz . 9979016 Battery and Changer


9V Battery complete with charger. Battery $1 \% \times 1 \%$ "; charger 3\%x
Net 2.69 99 I 6026 Battery Replacement for above

Net 1.48

## BATTERY HOLDER

A. Ultra-compact bakelite battery case.

Holds $8-11 / 2$ volt " 2 " penlite cells, $2 \%_{2}$ " holes, $11 / \mathbf{s}^{\circ \circ}$ on centers for mounting. Size:
$59 c$
$2 X_{1} \times 23 / 8 \times 1 K_{4}^{\circ "}$. Imported.
99 T 6323 Shpg. wt., 3 oz. .........Net .59 Same as above except holds $10-11 / 2$ volt " 2 " penlight cells. Size: $21 / 4 \times 2 \geqslant / 4 \times 1 \mathrm{Ko}^{\prime \prime}$. Imoorted.
99 T 3135 Shpg. wt 402.
Net 69
B. Battery holder for $4-112$ volt " $Z^{\prime \prime}$ pen. light cells. Has snap-on battery clip and leads. Size: 1Kox1Kdx21/4". Imported.
99 T 6331 Shpg, wt. 3 oz. Net 39

# Battery Eliminators-Chargers 

## LAFAYETTE MULTI-PURPOSE BATTERY CHARGER

## Recharge All Popular

 Batteries - Transistor, AA Penlight, C And DCells Up To 3 At One Time! - Just Plug-In And UseDesigned to charge regular carbon zinc, nickel cadmium and alkaline batteries. Charges up to 3 batteries in a relatively short time for less than a penny. Two compartments automatically adjust to slize of battery inserted, plus 2 snaps are provided for 9 V ., transistor radio batteries. Red light indicates charger is operating. For 110 120 volts $50 / 60$ cycles AC. Amported. Shpg. wt., 1 lb.

Net 2.49

## CHARGATRON HOME BATTERY CHARGER



- Recharge Batteries Up to 15 Times
- Battery Tester Included
- "D" - "C" - "AA" and 9V Transistor Sizes

Recharge from one to four batteries at one time. Safety is assured since charger is in operation only when lid is closed. Plugs into standard $110-120$ volt. 60 cycle $A C$ outiet. With free battery tester. 34 T 4202 Net 3.95

## BATTERY CHARGER WITH TWO RECHARGEABLE BATTERIES



Recharges Batteries Overnight. For Flashlights, Transistor Radios, Toys..
2 D Type Batteries Included

Recharges any type 0 battery overnight. No longer must toys, transistor radios and flashlights be without "live" batteries. White plastic case with 2 rechargeable type 0 batteries. Replaces VSO36, 2, 950 etc. Imported, Shpg. wt., 2 los.
99 T 9100 Charger and 2 Batteries Net 4.95

## NICKEL CADMIUM BATTERY CHARGER



- Charges Two or Four Penlight (AA) Batteries At A Time

Take advantage of the extremely long life of nickel-cadmium batteries. Two or four can be fully charged within sixteen hours. No chance of overcharge. Simple operation from any 117 VAC source. Indicator light protects against incorrect insertion of bat. teries. Size: $23 / 4 \times 33 / 4 \times 1^{\prime \prime}$. Imported. Shpg. wt. 1 lb.
99 T 9180 $\qquad$ ea. 3.99
Batteries for above. $\qquad$ ea. 1.40

CHART CHARGE NICKEL-CADMIUM

## BATTERY CHARGER

- Charges 1 to 10 Cells in Series Up to 250 MA

Meets the demands of Nickel-cadmium cells in Industrial and hobby use. Continuously variable from 10 to 250 MA to charge 1 to 10 cells in series. Use of Isolation transformer ellminates shock hazard. Full wave sillicon diode rectification. No meter is required for accurate calibration. Pllot light on-off Indicator, UL listed. Cord. $61 / 4 \times 31 / 4 \times 22^{\prime \prime}$. Shpg. wt., 2 lbs.
34 T 4101 $\qquad$ Net 9.95

## LAFAYETTE 9-VOLT TRANSISTOR RADIO BATTERY CHARGER AND ELIMINATOR



Just plug into any 117 -volt AC receptacle and recharge your old 9 -volt battery for many hours of extra use; or operate your set indoors without using the battery at all; or you can both charge battery and operate set at the same time. Has 4 -position switch for above functions plus off position and pilot light. Size $4 W \times 1 / y, H x$ 25/9"0. Imported. Shpg. wt., 1 lb.
99 T 9021 $\qquad$ Net 3.69
SELF-REGULATING AUTOMATIC BATTERY CHARGER


## - Built In Battery Tester And Pilot Light

Recharges penifte, $\mathbf{C}, \mathbf{0} 9 \mathrm{~V}$ transistor-carbon-zinc, alkaline, nicke!cadmium batteries - one to four at a time - in any combination, automatically. Cannot overcharge. UL listed. $120 \mathrm{~V}, 60$ cycles AC. Shpg. wt. $21 / 2 \mathrm{lbs}$.
34 T 4204
Net 6.95


## HEARING AID

 BATTERY RECHARGER- Cuts Battery Cost in Half
- Just Insert Rechargeable Cells Into Charger - Plug In And 14 Hours Later They Are Fully Charged


## ${ }^{\text {Only }} 6^{75}$

## Less Batteries

Economical, convenient charger permits replacement of the popular " 675 " and " 625 " disposable hearing air batteries with rechargeable nickel cadmium cells which give up to 15 hours use per charge and 500 charges per cell. Simply insert the nickel cadmium cell into its silde-out compartment and fully recharge in $\mathbf{1 0 - 1 4}$ hours. Cells cannot be overcharged. Use one cell in the hearing ald while another is being charged, to have power avallable at all times. Tiny size permits carrying the charger with you. For $110-120$ volt, 60 cycle AC. Less batteries. Imported. Shpg. wt., 302.
99 T 9203 Charger only, less batteries
Net 6.75
32 T 4746 Nickel Cadmlum Replacement for 675 battery _. Net 1.05 32 T 4730 Nickel Cadmium Replacement for 625 battery -Net .70

## CHARGER WITH TWO NI CAD BATTERIES



- Complete with Two Rechargeable Nickel Cadmium "D' Cells

These 0 -size nicad cells can be recharged hundreds of times, for use in your flashlight, toys, games and other portable appliances. You may buy extra batteries and always have fully charged spares on hand. Charger uses any 115 V 60 cycle AC outlet. Size: $43 \times 31 / 2 x$ 2". Wt., 2 lbs.
34 T 3501 Complete set $\qquad$ Net 7.95
34 T 3502 Extra batteries Net 2.10
BATTERY TESTERS


Stop throwing away good batteries. Why replace multiple batterles when only one goes bad? Spot weak or dead batteries. Pocket slize, simply operated battery tester checks batteries under load conditions. Brightness of glowing light Indicates condition of battery. Size $17 / 0^{\prime \prime}$ dia. $\times 1{ }^{\prime \prime}$. Shpg. wt. 402 .
$11 / 2$ volt tester for flashlight-type batteries.
34 T 5246 $\qquad$ Net 1.59
9 volt tester for transistor radio batteries.
34 T 5247
Net 1.59

# LAFAYETTE Receiving Tubes 

THE QUALITY LINE WITH THE 2-YEAR GUARANTEE

Lafayette tubes are made to rigid quality standards which assure you of efficient performance and long. life. We will replace without charge any tube which
due to defects in material or workmanship, fails in
normal use within 2 years from date of purchase.
Simply bring or return the tube postoaid to the store from which you purchased it along with your original sales-slip or order. Some types imported.

ASSORTMENT PRIVILEGE: TUBES MAY BE ASSORTED FOR QUANTITY PRICE

|  |  | Net Ea. |  |  |  |  |  | E |  |  |  | Net Ea. |  | $\begin{aligned} & 50 \\ & 24 p \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Steck Mo. | Tube Type | 1.9 | 10-49 | 2 up | Stock No. | Tube Type | 1.9 | 10-49 | U Up | Stock No. | Tube Type | $1-9$ | 10-49 |  |
| 36 T 3000 | 024 | 1.47 | 1.30 | 1.17 | 36 T 3076 | 6805/EL84 | 1.47 | 1.30 | 1.17 | 36 T 3153 | 6 JT8 | 1.80 | 1.60 | 1.44 |
| 3673001 | 183/1G3GT | 1.38 | 1.22 | 1.10 | 3673077 | 6806GTB/6CU6 | 2.01 | 1.78 | 1.60 | 36 T 3154 | 6JUBA | 1.74 | 1.54 | 1.39 |
| 3673002 | 1K3/113 | 1.53 | 1.36 | 1.22 | 36 T 3078 | 6807A | 1.07 | 1.66 | 1.49 | 36 T 3155 | 6K6GT | 1.33 | 1.18 | 1.06 |
| 3673003 | 125 | 1.80 | 1.60 | 1.44 | 36 T 3079 | 68R8A/6FV8A | 1.94 | 1.72 | 1.55 | 36 T 3156 | 6KA8 | 2.03 | 1.80 | 1.62 |
| 3673004 | $1{ }^{1} 4$ | 1.74 | 1.54 | 1.39 | 36 T 3080 | 6B58 | 2.01 | 1.78 | 1.60 |  | $6 \mathrm{KD88}$ Use 6U8 | 6KD8 |  |  |
| 3673005 | $1{ }^{1} 5$ | 1.53 | 1.36 | 1.22 | 36 T 3081 | 68U8 | 1.87 | 1.66 | 1.49 |  | $6 \mathrm{KF8}$ Use 6HS8 | 6KF8 |  |  |
| 3673006 | IV2 | 1.15 | 1.02 | . 92 | 36 T 3082 | 6826 | 1.22 | 1.08 | . 97 | 36 T 3158 | 6KZ8 | 1.67 | 1.48 | 1.33 |
| 36 T 3007 | $1 \times 28$ | 1.40 | 1.24 | 1.12 | 36 T 3083 | 6827 | 1.87 | 1.66 | 1.49 | 36 T 3159 | 616GC | 2.14 | 1.90 | 1.71 |
| 3673008 | 2AF4B | 1.85 | 1.64 | 1.48 | 36 T 3084 | 6C4 | 1.02 | . 90 | . 81 | 36 T 3160 | 61.58 | 1.74 | 1.54 | 1.39 |
| 3673230 | 2AS2 | 1.35 | 1.20 | 1.08 | 36 T 3085 | 6CB6A | 1.06 | . 94 | 85 | 36 T 3161 | 6188 | 1.85 | 1.64 | 1.48 |
| 3673009 | 2AV2 | 1.29 | 1.14 | 1.03 | 36 T 3086 | 6CD6GA | 2.61 | 2.32 | 2.09 | 36 T 3162 | 6S4A | 1.33 | 1.18 | 1.06 |
| 3673010 | 28N4A | 1.60 | 1.42 | 1.28 |  | 6CE5 Use 6 | /6CE5 |  |  | 36 T 3163 | 6S17 | 1.87 | 1.66 | 1.49 |
| 3673011 | 2 CY 5 | 1.80 | 1.60 | 1.44 | 36 T 3087 | 6CF6 | 1.47 | 1.30 | 1.17 | 36 T 3164 | $6 \mathrm{SK7}$ | 2.01 | 1.78 | 1.60 |
| 36 T 3231 | $2 \mathrm{CK5}$ | 1.89 | 1.68 | 1.51 |  | 6CG7 Use | /6CG7 |  |  | 36 T 3165 | 6SL7GT | 1.80 | 1.60 | 1.44 |
| 3673012 | 3A3/3AW3 | 1.44 | 1.28 | 1.15 | 36 T 3088 | 6CG8A | 1.60 | 1.42 | 1.28 | 36 T 3166 | 6SN7GTB | 1.40 | 1.24 | 1.12 |
| 36 T 3013 | 3 3T2 | 1.38 | 1.22 | 1.10 | 36 T 3239 | 6 C 13 | 1.62 | 1.44 | 1.30 | 36 T 3167 | 678A | 1.67 | 1.48 | 1.33 |
| 3673014 | 38C5/3CE5 | 1.33 | 1.18 | 1.06 | 36 T 3089 | 6 CL 6 | 1.87 | 1.66 | 1.49 | 36 T 3170 | 6710 | 1.92 | 1.70 | 1.53 |
| 36 T 3015 | 38N6 | 1.94 | 1.72 | 1.55 | 36 T 3090 | 6CL8A | 1.87 | 1.65 | 1.49 | 3673169 | 6UA8/6KD8 | 1.40 | 1.24 | 1.12 |
| 3673016 | 3826 | 1.33 | 1.18 | 1.06 | 3673091 | 6 CM 7 | 1.47 | 1.30 | 1.17 | 36 T 3171 | 6V6GTA | 1.47 | 1.30 | 1.17 |
| 3673017 | $3 \mathrm{CB6}$ | 1.33 | 1.18 | 1.06 | 36 T 3092 | 6CN7 | 2.01 | 1.78 | 1.60 | 3613172 | 6W4GTA | 1.15 | 1.02 | . 92 |
|  | 3CES Use 38 | / 3CE5 |  |  | 36 T 3093 | 6CO8 | 1.67 | 1.48 | 1.33 | 36 T 3173 | 6W6GT | 1.67 | 1.48 | 1.33 |
| 3673018 | 3CY5 | 1.76 | 1.56 | 1.40 | 36 T 3094 | 6CS6 | 1.33 | 1.18 | 1.06 | 3653174 | $6 \times 4$ | . 95 | . 84 | . 76 |
| 3673019 | 30G4 | 2.14 | 1.90 | 1.71 | 36 T 3095 | 6C57 | 1.53 | 1.36 | 1.22 | 36 T 3175 | 6X5G7 | 1.33 | 1.18 | 1.06 |
| 36 T 3232 | 3076A | 1.33 | 1.18 | 1.06 | 36 T 3096 | 6CU5 | 1.60 | 1.42 | 1.28 | 36 T 3176 | 6×8A | 1.53 | 1.36 | 1.22 |
| 36 T 3020 | 3GK5 | 1.89 | 1.68 | 1.51 |  | $6 \mathrm{CU6}$ Us | G78/ | Cu6 |  | 36 T 3177 | $74 \cup 7$ | 1.22 | 1.08 | . 97 |
| 36 T 3233 | $3 \mathrm{HQ5}$ | 2.14 | 1.90 | 1.71 | 36 T 3097 | 6CU8 | 2.07 | 1.84 | 1.66 | 36 T 3178 | BAW8A | 1.94 | 1.72 | 1.55 |
| 36 T 3021 | $3 \vee 4$ | 1.53 | 1.36 | 1.22 | 36 T 3098 | 6CW4 | 2.21 | 1.96 | 1.76 |  | $8 \mathrm{CG7}$ Use 8F07 | $18 C 67$ |  |  |
| 36 T 3022 | 4807A | 2.21 | 1.96 | 1.76 | 36 T 3099 | $6 \mathrm{CX8}$ | 2.14 | 1.90 | 1.71 | 36 T 3179 | 8F07/8CG7 | 1.06 | . 94 | . 85 |
| 36 T 3023 | 4826 | 1.33 | 1.18 | 1.06 | 36 T 3100 | 6CY5 | 1.62 | 1.44 | 1.30 | 36 T 3243 | 8158 | 1.22 | 1.08 | . 97 |
| 3673234 | 4CB6. | 1.29 | 1.14 | 1.03 | 36 T 3101 | 6 CY 7 | 1.38 | 1.22 | 1.10 | 36 T 3180 | 100E7 | 2.01 | 1.78 | 1.60 |
| 3673235 | 4DT6A | 1.33 | 1.18 | 1.06 | 36 T 3102 | 6 C 25 | 2.14 | 1.90 | 1.71 | 36 T 3244 | 10GN8 | 2.01 | 1.78 | 1.60 |
| 36 T 3236 | 4EJ7 | 1.60 | 1.42 | 1.28 | 36 T 3103 | 6DA4A | 1.67 | 1.48 | 1.33 | 36 T 3181 | 12A06/12GA6 | 1.26 | 1.12 | 1.01 |
| 3673024 | 5AM8 | 2.21 | 1.96 | 1.76 | 36 T 3104 | 6DE4 | 1.60 | 1.42 | 1.28 | 36 T 3182 | 12 A 6 | 1.08 | . 96 | . 86 |
| 3673025 | 5AQ5 | 1.33 | 1.18 | 1.06 | 36 T 3105 | 6DE6 | 1.33 | 1.18 | 1.06 | 36 T 3183 | 12AT7 | 1.29 | 1.14 | 1.03 |
| 36 T 3026 | 5 St8 | 2.01 | 1.78 | 1.60 | 36 T 3106 | 60.7 | 1.17 | 1.66 | 1.49 | 36 T 3184 | 12AU6 | 1.15 | 1.02 | . 92 |
| 3673027 | 58R8A | 2.01 | 1.78 | 1.60 | 36 T 3107 | 60K6 | 1.33 | 1.18 | 1.06 | 36 T 3185 | 12AU7A/ECC82 | 1.15 | 1.02 | . 92 |
| 3673028 | 5CG8 | 1.67 | 1.48 | 1.33 | 36.73108 | 6005 | 3.54 | 3.14 | 2.83 | 36 T 3186 | 12AV5GA | 2.28 | 2.02 | 1.82 |
| 3673029 | 5CL8A | 2.01 | 1.78 | 1.60 | 36 T 3109 | 6D06B/6GW6 | 1.89 | 1.68 | 1.51 | 36 T 3187 | $12 \mathrm{AV6}$ | . 88 | . 78 | . 70 |
| 3673237 | 5KE8 | 2.61 | 2.32 | 2.09 | 36 T 3110 | 6087 | 2.07 | 1.84 | 1.66 | 36 T3188 | $12 \mathrm{AV7}$ | 1.62 | 1.44 | 1.30 |
| 36 T 3030 | 578 | 2.01 | 1.78 | 1.60 | 3673241 | 6DS4 | 2.21 | 1.96 | 1.76 | 36 T3189 | I2Ax4GT | 1.22 | 1.08 | . 97 |
| 36 T 3031 | 54468 | 1.15 | 1.02 | . 92 | 36 T 3111 | 6076A | 1.22 | 1.08 | . 97 | 3673190 | 12AX7A | 1.13 | 1.00 | . 90 |
| 36 T 3032 | $5 \cup 8$ | 1.74 | 1.54 | 1.39 | 36 T 3112 | 60W4B | 1.58 | 1.40 | 1.26 | 3673191 | 12AZ7A | 1.47 | 1.30 | 1.17 |
| 36 I 3033 | 5Y3GT | 1.02 | . 90 | . 81 | 36 T 3113 | $6 \mathrm{DZ4}$ | 1.85 | 1.64 | 1.48 | 36 T 3192 | 1284A | 1.44 | 1.28 | 1.15 |
| 3673034 | 6484 | 1.47 | 1.30 | 1.17 | 36 T 3114 | $6 E A 7$ | 2.34 | 2.08 | 1.87 | 3613193 | 12846 | . 95 | . 84 | . 78 |
| 3673035 | 6AF3 | 1.40 | 1.24 | 1.12 | 3673115 | 6EA8 | 1.60 | 1.42 | 1.28 | 36 T 3194 | 128E6 | 1.15 | 1.02 | . 92 |
| 3673036 | 6AF4A | 1.85 | 1.64 | 1.48 | 3673116 | 6 688 | 2.28 | 2.02 | 1.82 | 3673195 | 12BH7A | 1.42 | 1.26 | 1.13 |
| 36 T 3037 | 6AG5 | 1.53 | 1.36 | 1.22 | 3673117 | 6EH7/EF183 | 1.74 | 1.54 | 1.39 | 36 T 3196 | 12816 | 1.67 | 1.48 | 1.33 |
| 36 T 3038 | 6AH4GT | 1.47 | 1.30 | 1.17 | 3673118 | 6EJT/EF184 | 1.60 | 1.42 | 1.28 | 36 T 3197 | 128Y7A | 1.44 | 1.28 | 1.15 |
| 36 T 3039 | 6AH6 | 2.34 | 2.08 | 1.87 | 3673119 | 6EM5 | 1.67 | 1.48 | 1.33 | 3673198 | 12C5/12CU5 | 1.38 | 1.22 | 1.10 |
| 36 T 3040 | 6AK5 | 2.14 | 1.90 | 1.71 | 3673120 | 6EM7 | 2.34 | 2.08 | 1.87 | 36 T 3199 | $12 \mathrm{CA5}$ | 1.40 | 1.24 | 1.12 |
| 36 I 3041 | 6AL5 | 1.02 | . 90 | . 81 | 3673121 | 6ER5 | 1.71 | 1.52 | 1.37 |  | 12 Cus Use 12C |  |  |  |
| 36 T 3042 | 6AM8A | 1.67 | 1.48 | 1.33 | 3673122 | $6 E V 5$ | 1.40 | 1.24 | 1.12 | 36 T 3200 | 120068 | 1.92 | 1.70 | 1.53 |
| 36 T 3043 | 6AN8A | 1.94 | 1.72 | 1.55 | 36 T 3123 | 6EW6 | 1.22 | 1.08 | . 97 |  | $12 \mathrm{GA6}$ Use 12A |  |  |  |
| 36 T 3044 | 6AQ5A | 1.33 | 1.18 | 1.06 | 36 T 3124 | 6FG7 | 1.87 | 1.66 | 1.49 | 36 T 3201 | 12GN7A | 2.01 | 1.78 | 1.60 |
| . 36 I 3045 | 6AS5 | 1.47 | 1.30 | 1.17 | 36 T 3125 | 6 FH 5 | 1.74 | 1.54 | 1.39 | 36 T 3202 | 12 SA 7 | 2.66 | 2.36 | 2.12 |
| 3673046 | 6AS8 | 2.01 | 1.78 | 1.60 | $36 T 3126$ | 6FM7 | 1.47 | 1.30 | 1.17 | 3673203 | 12 SK 7 | 2.01 | 1.78 | 1.60 |
| 36 T 3047 | Ga76 | 1.08 | . 96 | . 66 | 3673127 | 6FQ5A | 1.74 | 1.54 | 1.39 | 36 T 3204 | 12SN7GTA | 1.53 | 1.36 | 1.22 |
| 3673048 | 6AT8A | 2.34 | 2.08 | 1.87 | 3673128 | 6F07/6C67 | 1.06 | . 94 | . 85 | 3673205 | 12S07 | 2.01 | 1.78 | 1.60 |
| 3673049 | 6AU4GTA | 1.80 | 1.60 | 1.44 |  | 6FV8A Use 6Br | 8A/6FV | 8A |  | 36 I 3206 | 13GF7A | 2.12 | 1.88 | 1.69 |
| 36 I 3050 | 6AU6A | 1.08 | . 96 | . 86 | 3673129 | 6GE5 | 1.74 | 1.54 | 1.39 | 36 T 3245 | 15KY8A | 2.61 | 2.32 | 2.09 |
| 36 I 3051 | 6AU8A | 2.21 | 1.96 | 1.76 | 36 T 3130 | 6GF7A | 2.19 | 1.94 | 1.75 | 36 T 3207 | 17AX4G7A | 1.67 | 1.48 | 1.33 |
| 36 T 3052 | 6AV5GA | 2.34 | 2.08 | 1.87 | 36 T 3131 | 6GH8A | 1.44 | 1.28 | 1.15 | 36 T 3208 | 17ay3A | 1.47 | 1.30 | 1.17 |
| 35 T 3053 | 6av6 | . 88 | . 78 | . 70 | 36 T 3132 | 6GK5 | 1.87 | 1.66 | 1.49 | 36 T 3209 | 1704A | 1.53 | 1.36 | 1.22 |
| 36 T 3054 | 6AW8A | 1.74 | 1.54 | 1.39 | 36 T 3133 | 6GM6 | 1.47 | 1.30 | 1.17 | 36 T 3210 | 170068/17GW6 | 1.92 | 1.70 | 1.53 |
| 36 T 3055 | $6 \mathrm{~A} \times 3$ | 1.17 | 1.04 | . 94 | 36 T 3134 | 6GU7 | 1.53 | 1.36 | 1.22 |  | $17 \mathrm{GW6}$ Use 170 | 068/1 | 76W6 |  |
| 36 T 3056 | 6AX4G78 | 1.33 | 1.18 | 1.06 |  | 6GW6 Use 6006 |  | W6 |  | 36 T 3211 | 17128 | 1.60 | 1.42 | 1.28 |
| 36 T 3057 | 6AY3B | 1.53 | 1.36 | 1.22 | 36 T 3135 | 6GW8/ECL86 | 1.38 | 1.22 | 1.10 | 36 T 3212 | 19AU4GTA | 1.80 | 1.60 | 1.44 |
| 36 T 3238 | 6810 | 1.51 | 1.34 | 1.21 | 35 T 3136 | 6GY6 | 1.31 | 1.16 | 1.04 | 3673213 | 21 GY5 | 2.10 | 1.86 | 1.67 |
| 36 T 3056 | 6BA6 | . 95 | . 84 | . 76 | 36 T 3242 | 6HA5/6HM5 | 1.74 | 1.54 | 1.39 | 36 T 3214 | 22015 | 1.67 | 1.48 | 1.33 |
| 36 T 3059 | 6BA8A | 2.10 | 1.86 | 1.67 | 36 T 3137 | $6 \mathrm{HB7}$ | 1.80 | 1.60 | 1.44 | 36 T 3215 | 22JG6A | 2.79 | 2.48 | 2.23 |
| 36 T 3060 | 68A11 | 1.94 | 1.72 | 1.55 | 36 T 3138 | 6HE5 | 1.67 | 1.48 | 1.33 | 36 T 3216 | 2379 | 2.12 | 1.88 | 1.69 |
| 36 T 3061 | 6BC5/6CE5 | 1.47 | 1.30 | 1.17 | 36 T 3139 | 6HF8 | 2.07 | 1.44 | 1.66 | 36 T 3217 | 25806G78/ |  |  |  |
| 36 T 3062 | 68C8 | 1.87 | 1.66 | 1.49 |  | 6HM5 Use 6HA5 | /6HM5 |  |  |  | $25 C U 6$ | 1.98 | 1.76 | 1.58 |
| 36 T 3063 | 68E6 | 1.29 | 1.14 | 1.03 | 36 T 3140 | 6H05 | 2.03 | 1.80 | 1.62 | 36 T 3218 | 25CD6G8 | 2.59 | 2.30 | 2.07 |
| 36 T 3064 | 6BG6GA | 2.75 | 2.44 | 2.20 | 36 T 3141 | 6HS8/6KF8 | 1.74 | 1.54 | 1.39 |  | $25 C U 6$ Use 258 | 06 GTB | $125 \mathrm{CU6}$ |  |
| 36 I 3065 | 68H6 | 1.47 | 1.30 | 1.17 | 36 T 3142 | 6H26 | 1.35 | 1.20 | 1.08 | 36 T 3219 | 250N6 | 2.68 | 2.38 | 2.14 |
| 36 T 3066 | 6BH8 | 2.07 | 1.84 | 1.66 | 36 T 3143 | $6 J 5$ | 1.85 | 1.64 | 1.48 | 36 T 3220 | 25166T | 1.67 | 1.48 | 1.33 |
| 36 T 3067 | 6BJ6 | 1.47 | 1.30 | 1.17 | 36 T 3144 | 6J6A | 1.47 | 1.30 | 1.17 | 36 T 3221 | $33 \mathrm{GY7}$ | 2.73 | 2.42 | 2.18 |
| 36 T 3068 | 6BK4A | 3.40 | 3.02 | 2.72 | $36 T 3145$ | 6186 | 2.64 | 2.34 | 2.11 | 36 T 3222 | $35 C 5$ | 1.22 | 1.08 | . 97 |
| 36 T 3069 | 68K78 | 1.80 | 1.60 | 1.44 | 36 T 3146 | 6JC6 | 1.78 | 1.58 | 1.42 | 36 T 3223 | 3516GT | 1.74 | 1.54 | 1.39 |
| 36 T 3070 | 68L7GTA | 2.28 | 2.02 | 1.82 | 36 T 3147 | 6JE6A | 3.83 | 3.40 | 3.06 | 36 I 3224 | 35 W 4 | . 75 | . 66 | . 59 |
| 3613071 | 6818/ECF80 | 1.22 | 1.08 | . 97 | 3673148 | 6JH6 | 1.33 | 1.18 | 1.06 | 36 T 3225 | 3575G7 | 1.22 | 1.08 | . 97 |
| 36 T 3072 | $68 \mathrm{M} 8 / \mathrm{ELC82}$ | 1.31 | 1.16 | 1.04 | 36 T 3149 | 6JH8 | 2.14 | 1.90 | 1.71 | 36 T 3226 | 38HE7 | 3.00 | 2.66 | 2.39 |
| 36 T 3073 | 6BN4A | 1.80 | 1.60 | 1.44 | 3673150 | 6JM6 | 1.87 | 1.66 | 1.49 | 36 T 3227 | 50C5 | 1.15 | 1.02 | . 92 |
| 36 T 3074 | 6BN6 | 1.67 | 1.48 | 1.33 | 3673151 | 6JN6 | 1.74 | 1.54 | 1.39 | 36 T 3228 | 50EH5 | 1.22 | 1.08 | . 97 |
| 3613075 | 68N8 | 1.67 | 1.48 | 1.33 | 36 T 3152 | 6JS6A | 3.29 | 2.92 | 2.63 | 36 T 3229 | 50L6GT | 1.60 | 1.42 | 1.28 |

# RCA and GE Receiving Tubes 


double branded types: Tubes with double-type numbers will re-
place both types. Example: 6B05/EL84 replaces either 6805 or EL84. REPLACED TYPES: Older types are replaced by later versions ending in an additional letter A. B or C. Example, 12AX7A replaces 12AX7; 5U4GB replaces SU4G and 5U4GA.

## 12 MONTH GUARANTEE

All receiving tubes are guaranteed for 12 months from date of purchase. We will replace any tube that does not give efficient performance for a full 12 month's period. This of course does not apply to burned out or broken tubes. Aver. age shpg. wt., 4 oz., per 10 tubes, $2^{1 / 4} \mathrm{lbs}$.
ASSORTMENT PRIVILEGE: TUBES MAY BE ASSORTED FOR QUANTITY PRICE

| STOCK NO. | TUBE TYPE | $\begin{aligned} & \text { Net } \\ & 1.9 \end{aligned}$ | $\begin{aligned} & \text { Each } \\ & 10-49 \end{aligned}$ | $\begin{aligned} & \text { Asst. } \\ & 50 \text { up } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
| 36 T 1000 | 024 | 1.63 | 1.47 | 1.30 |
| 36 T 1001 | 024a | 1.63 | 1.47 | 1.30 |
| 36 T 1002 | 143 | 3.33 | 3.00 | 2.66 |
| 36 T 1003 | 1A5GT | 2.00 | 1.80 | 1.60 |
| 36 T 1004 | 14767 | 2.70 | 2.43 | 2.16 |
| 36 T 1005 | 1 AO2 | 1.55 | 1.40 | 1.24 |
| 36 T 1006 | lay2 | 1.30 | 1.17 | 1.04 |
|  | 183GT | USE | 163GT/ | 3367 |
| 36 T 1007 | 1BC2 | 1.63 | 1.47 | 1.30 |
| $36 T 1974$ | 1862 | 1.40 | 1.26 | 1.12 |
| 36 T 1008 | 18H2 | 1.53 | 1.38 | 1.22 |
| 36 T 1009 | 10N5 | 2.20 | 1.98 | 1.76 |
| 36 T 1010 | 1G36T/183GT | 1.70 | 1.53 | 1.36 |
| 36 T 1011 | 1H2 | 1.98 | 1.76 | 1.58 |
| $36 T 1013$ | 1K3/1/3 | 1.70 | 1.53 | 1.36 |
| 36 T 1014 | 114 | 1.63 | 1.47 | 1.30 |
| 36 T 1015 | 116 | 6.28 | 5.65 | 5.02 |
| 36 T 1016 | $11 . \mathrm{H4}$ | 3.80 | 3.42 | 3,04 |
| 36 T 1017 | 1N2A | 2.20 | 1.98 | 1.76 |
| 36 T 1018 | 1N5GT | 2.45 | 2.21 | 1.96 |
| 36 T 1019 | 1 R 5 | 2.00 | 1.80 | 1.60 |
| 36 T 1020 | 1S2A/DY87 | 1.28 | 1.15 | 1.02 |
| 36 T 1021 | 154 | 2.05 | 1.65 | 1.64 |
| 3611022 | 155 | 1.70 | 1.53 | 1.36 |
| 36 T 1023 | 114 | 1.93 | 1.74 | 1.54 |
| 36 T 1024 | $1 \mathrm{U}_{4}$ | 1.68 | 1.51 | 1.34 |
| 36 T 1025 | 105 | 1.70 | 1.53 | 1.36 |
| 36 T 1026 | 1v2 | 1.28 | 1.15 | 1.02 |
| 36 T 1027 | $1 \times 2 A / 1 \times 28$ | 1.70 | 1.53 | 1.36 |
| 36 T 1028 | 2A3 | 4.95 | 4.46 | 3.96 |
| 36 T 1029 | 2AF4B/2024 | 2.05 | 1.85 | 1.64 |
| 36 T 1030 | 2AH2 | 1.70 | 1.53 | 1.36 |
| 36 T 1031 | 2AS2 | 1.50 | 1.35 | 1.20 |
| 36 T 1032 | 2AV2 | 1.43 | 1.29 | 1.14 |
| 36 T 1033 | $2 \mathrm{BJ2}$ | 2.10 | 1.89 | 1.68 |
| 36 T 1034 | $2 \mathrm{CN3A}$ | 1.63 | 1.47 | 1.30 |
| 36 T 1035 | 28N4A | 1.78 | 1.60 | 1.42 |
| 36 T 1036 | 2CW4 | 2.45 | 2.21 | 1.96 |
| 36 T 1037 | 2 CY 5 | 2.00 | 1.80 | 1.60 |
| 36 T 1038 | 20S4 | 2.45 | 2.21 | 1.96 |
| 36 T 1039 | $20 \mathrm{V4}$ | 3.23 | 2.91 | 2.58 |
|  | 2024 | USE | 2AF4B | 024 |
| 36 T 1040 | 2EG4 | 2.45 | 2.21 | 1.96 |
| 3611041 | 2EN5 | 1.60 | 1.44 | 1.28 |
| 36 T 1042 | 2ER5 | 1.85 | 1.67 | 1.48 |
| 36 T 1043 | 2 FH 5 | 1.85 | 1.67 | 1.48 |
|  | 2F05A | USE | 26K5/2 | 15A |
| 36 T 1044 | 2755 | 2.43 | 2.19 | 1.94 |
| 36 T 1045 | 2GK5/2Fa5a | 1.93 | 1.74 | 1.54 |
| 36 T 1046 | $2 \mathrm{CU5}$ | 2.25 | 2.03 | 1.80 |
| $36 T 1047$ | 2HA5 | 1.93 | 1.74 | 1.54 |
| 36 T 1048 | $2 \mathrm{HK5}$ | 1.93 | 1.74 | 1.54 |
| 36 T 1049 | 2 HCS | 1.93 | 1.74 | 1.54 |
| 36 T 1050 | 342 | 2.75 | 2.48 | 2.20 |
| 36 T 1051 | 3A3A/3AW3/$3 B 2$3AF4B/3024 |  |  |  |
|  |  | 1.60 | 1.44 | 1.28 |
| 36 T 10523 |  | 2.05 | 1.85 | 1.64 |
| 36 T 1053 | 3AL5 | 1.35 | 1.22 | 1.08 |
| 36 T 1054 | 3 AT2 | 1.53 | 1.38 | 1.22 |
| 36 T 1055 | 3AU6 | 1.48 | 1.33 | 1.18 |
| 36 T 1056 | 3 3v6 | 1.48 | 1.33 | 1.18 |
| 36 T 1057 | 3AW2 | 1.60 | 1.44 | 1.28 |
|  | 3AW3 | USE | $\begin{gathered} 3 A 3 A / 3 A W 3 / \\ 3 B 2 \end{gathered}$ |  |
|  | 382 | USE | $\begin{gathered} 3 A 3 A / 3 A W 3 / \\ 382 \end{gathered}$ |  |
| 36 T 1058 | 3846 | 1.18 | 1.06 | . 94 |
| 36 T 1059 | 3BC5/3CE 5 | 1.48 | 1.33 | 1.18 |
| 36 T 1060 | 3BE6 | 1.35 | 1.22 | 1.08 |
| 36 T 1061 | 3812 | 1.78 | 1.60 | 1.42 |
| 3611062 | 38 N 2 | 1.73 | 1.56 | 1.38 |
| 36 T 1063 | 38N4A | 1.70 | 1.53 | 1.36 |


| STOCK NO | PE | $\begin{aligned} & \text { Net } \\ & \mathbf{1 . 9} \end{aligned}$ | $\begin{aligned} & \text { Each Asst. } \\ & 10-4950 \text { up } \end{aligned}$ | STOCK NO. | TUBE TYPE | $\begin{aligned} & \text { Net } \\ & 1.9 \end{aligned}$ | $\begin{aligned} & \text { Each } \\ & 10-49 \end{aligned}$ | $\begin{aligned} & \text { Rsst. } \\ & 50 \text { up } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 36 T 1064 | 3BNE | 2.15 | 1.941 .72 | 36 T 1130 | 5AQ5 | 1.48 | 1.33 | 1.18 |
| 36 T 1066 | 38U8/3GS8 | 2.23 | 2.011 .78 | 36 T 1131 | 5AR4/GZ34 | 2.13 | 1.92 | 1.70 |
| 36 T 1067 | 3 BY 6 | 1.50 | $1.35 \quad 1.20$ |  | 5AS4A | USE | 5U4GB/5AS4A |  |
| 36 T 1068 | 3826 | 1.48 | 1.331 .18 | 36 T 1132 | 5AS8 | 2.20 | 1.98 | 1.76 |
| 36 T 1069 | 3 CA 3 | 1.60 | $1.44 \quad 1.28$ | 36 T 1133 | 5AT8 | 2.23 | 2.01 | 1.78 |
| 36 T 1070 | 3CB6/3CF6 | 1.48 | 1.331 .18 |  | 5 AU4 | USE | 5 yaW 5 S 4 |  |
|  | 3CE5 | USE | 3BC5/3CE5 | $\begin{aligned} & 36 \text { T } 1135 \\ & 36 \text { T } 1136 \end{aligned}$ | 54.8 | 2.03 | 1.83 | 1.62 |
|  | 3 CF 6 | USE | 3CB6/3CF6 |  | $5 A 24$ | 2.65 |  | 2.12 |
| 36 T 1071 | 3CN3A | 1.60 | 1.441 .28 | 36 T 1137 | 588 | 2.75 | 2.39 2.48 | 2.20 |
| 36 T 1072 | $3 \mathrm{CS6}$ | 1.85 | 1.671 .48 | 36 T 1138 | 58C3A | 1.70 | 1.53 | 1.36 |
| 36 T 1998 | $3 \mathrm{CU3}$ | 1.88 | 1.691 .50 | 36 T 1139 | 5BE8 | 1.55 | 1.40 | 1.24 |
| 36 T 1975 | 3 Cx 3 | 1.73 | 1.561 .38 | $36 T 1140$ | 5BK7A | 2.08 | 1.87 | 1.66 |
| 36 T 1073 | 3 CY 5 | 1.95 | $1.76 \quad 1.56$ | 36 T 1141 | 5B07A | 2.15 | 1,94 | 1.72 |
| 36 T 1074 | 30G4 | 2.48 | 2.231 .98 | 36 T 1142 | 5BR8/5FVB | 2.45 | 2.21 | 1.96 |
| 36 T 1075 | 30K6 | 1.48 | 1.331 .18 | 36 T 1143 | $5 \mathrm{BT8}$ | 1.55 | 1.40 | 1.24 |
| 36 T 1076 | 30T6A | 1.48 | 1.331 .18 | 36 T 1144 | 58w85CG8 | 1.60 | 1.441.67 | 1.28 |
|  | 3024 | USE | 3AF4B/3024 | 36 T 1145 |  | 1.85 |  |  |
| 36 T 1077 | 3EA5 | 1.78 | 1.601 .42 | 36 T 1146 | $\begin{aligned} & \text { 5CG8 } \\ & \text { 5CLEA } \end{aligned}$ | 2.23 | 2.01 | 1.78 |
| 36 T 1078 | 3EH7/XF183 | 1.28 | $1.15 \quad 1.02$ | 36 T 1147 | $5 \mathrm{CM8}$ | 1.78 | 1.60 | 1.42 |
| 36 T 1079 | 3EJ7/XF184 | 1.28 | $1.15 \quad 1.02$ | 36 T 1148 | 5 Cas | 2.05 | 1.85 | 1.64 |
| 36 T 1080 | 3ER5 | 2.23 | 2.01 1.78 | 36 T 1149 | $5 \mathrm{CZ5}$ | 2.23 | 2.01 | 1.78 |
| 36 T 1081 | 3 FH5 | 1.63 | $1.47 \quad 1.30$ | 36 T 1150 | 5DH8 | 2.75 | 2.48 | 2.30 |
| 36 T 1082 | $35 \$ 5$ | 2.15 | 1.941 .72 | 36 T 1151 | 5014 | 1.78 | 1.60 | 1.42 |
| 36 T 1083 | 3615 | 2.10 | 1.891 .68 | 36 T 1152 | 5EA8 | 2.30 | 2.07 | 1.84 |
|  | 3658 | USE | 38U8/3GS8 | 36 T 1153 | 5ES8/YCC189 | 2.75 | 2.48 | 2.20 |
| 36 T 1084 | 3HM5/3HA5 | 1.93 | $1.74 \quad 1.54$ | 36 T 1154 | 5EU8 | 2.00 |  |  |
| 36 T 1085 | 3HE5 | 2.38 | $2.14 \quad 1.90$ | 36 T 1155 | 5EW6 | 1.70 | 1.53 | 1.36 |
| 36 T 1086 | 3JC6A | 2.00 | $1.80 \quad 1.60$ | 36 T 1156 | 5 F67 | 1.78 | 1.60 | 1.42 |
| 36 T 1087 | $3 \mathrm{KT6}$ | 2.20 | $1.98 \quad 1.76$ |  | 5 FY 8 | USE | 58R8/5FV8 |  |
| 36 T 1089 | 304 | 1.68 | 1.51 1.34 | 36 T 1158 | $5 \mathrm{CH8A}$ | 2.30 | 2.07 | 1.8 |
| 36 T 1090 | $3056 T$ | 2.93 | $2.64 \quad 2.34$ | 36 T 1159 | 5617 | 1.48 | 1.33 | 1.1 |
| 36 T 1091 | 354 | 1.70 | 1.531 .36 | 36 T 1160 | 5GM6 | 1.63 | 1.47 | 1.30 |
| 36 T 1092 | 314 | 2.20 | 1.981 .76 | 36 T 1161 | $5 \mathrm{G} \times 6$ | 1.63 | 1.47 | 1.30 |
| 36 T 1093 | $4{ }^{\text {aU6 }}$ | 2.20 | 1.981 .76 | 36 T 1162 | $56 \times 7$ | 1.80 | 1.62 | 1.4 |
| 36 T 1094 | 4AV6 | 1.48 | $1.33 \quad 1.18$ | 36 T 1163 | $5 \mathrm{HA7}$ | 1.53 | 1.38 | 1.22 |
|  | 4BC5 | USE | 4CE5/48C5 | 36 T 1164 | $5 \mathrm{HB7}$ | 1.70 | 1.53 | 1.36 |
| 36 T 1095 | 4BC8 | 2.00 | $1.80 \quad 1.60$ | 36 T 1166 | 5HZ6 | 1.63 | 1.47 | 1.30 |
| 36 T 1096 | 4818/XCF80 | 1.20 | 1.08 . 96 | 36 T 1167 | 5 J 6 | 1.85 |  | 1.48 |
| 36 T 1097 | 4BN6 | 2.03 | 1.831 .62 | 36 T 1168 | 5JK6 | 1.93 | 1.74 | 1.54 |
| 36 T 1098 | 4BQ7A/4BZ | 2.45 | 2.211 .96 | 36 T 1169 | 5」6 | 1.93 | 1.74 | 1.54 |
| 36 T 1099 | 48S8 | 2.13 | 1.921 .70 |  | 5KD8 | USE |  |  |
| 36 T 1100 | 4BU8/4GS8 | 2.23 | $\begin{array}{ll}2.01 & 1.7 \\ 1.33 & 1.1\end{array}$ |  |  |  | 6KD8/5KD8 |  |
| 36 T 1101 | 4B26 | 1.48 |  | 36 T 1170 | $\begin{aligned} & \text { 5KE8 } \\ & 5 \times 28 \end{aligned}$ | 2.90 | $\begin{aligned} & 2.61 \\ & 1.15 \end{aligned}$ | 2.32 |
|  | $4 \mathrm{B27}$ | USE | 4B07A/4B27 | $\begin{aligned} & 36 \text { T } 1171 \\ & 36 \text { T } 1172 \end{aligned}$ |  | 1.28 |  | 1.021.64 |
| 36 T 1102 | $4 \mathrm{CB6}$ | 1.43 | $1.29 \quad 1.14$ |  | $5 \mathrm{LJ8}$5 T 8 | 2.05 | $\begin{aligned} & 1.15 \\ & 1.85 \end{aligned}$ |  |
| 36 T 1103 | 4CE5/4BC5 | 1.53 | 1.38 1.22 | 36 T 1173 |  | 2.23 | 2.01 | $\begin{aligned} & 1.64 \\ & 1.78 \end{aligned}$ |
| 36 T 1104 | $4 \mathrm{CS6}$ | 1.70 | $1.53 \quad 1.36$ | 36 T 1174 5U4GB/5AS4A |  | 1.28 | 1.15 | 1.021.54 |
| 36 T 1105 | 4 CY 5 | 1.35 | $\begin{array}{ll}1.22 & 1.0 \\ 1.33 & 1.1\end{array}$ | $36 T 1175$$36 T 1176$ | 5U8 | $\begin{aligned} & 1.93 \\ & 1.48 \end{aligned}$ | 1.74 |  |
| 36 T 1106 | 4DEG | 1.48 |  |  | 36 T 1176 5U9/LCF20136 T $11775 \mathrm{~V} / 5 \mathrm{U} 4$ |  | 1.33 | $\begin{aligned} & 1.54 \\ & 1.18 \end{aligned}$ |
| 36 T 1107 | 4DK6 | 1.70 | $1.53 \quad 1.36$ |  |  |  |  | 2.08 | 1.87 | 1.661.72 |
| 36 T 1108 | 4DT6A | 1.48 | 1.331 .18 | 36 T 1178 | 5V4GA | 2.15 |  |  |  |  |
| 36 T 1109 | 4EH7/LF183 | 1.78 | $1.60 \quad 1.42$ | 36 T 1179 | 5VGGT | 1.85 | $\begin{aligned} & 1.94 \\ & 1.67 \end{aligned}$ | $\begin{aligned} & 1.72 \\ & 1.48 \end{aligned}$ |  |  |
| 36 T 1110 | 4EJ7/LF184 | 1.78 | $1.60 \quad 1.42$ | $\begin{aligned} & 36 \mathrm{~T} 1181 \\ & 36 \mathrm{~T} 1182 \end{aligned}$ | $\begin{aligned} & 5 \times 8 \\ & 5 \mathrm{Y} 3 \mathrm{GT} \end{aligned}$ | 2.08 | $\begin{aligned} & 1.87 \\ & 1.02 \end{aligned}$ |  |  |  |
| 36 T 1111 | 4ES8/XCC189 | 2.75 | $2.48 \quad 2.20$ |  |  | 1.13 |  | $\begin{array}{r} 1.66 \\ .90 \end{array}$ |  |  |
| 36 T 1112 | 4EW6 | 1.45 | 1.311 .16 | 36 T 1183 | 5YAga | 1.23 | 1.11 | 98 |  |  |
| 36 T 1113 | 4GK5 | 1.95 | 1.761 .56 | 36 T 1184 | 5Y4GT | 1.70 | 1.53 | 1.36 |  |  |
| 36 T 1114 | 4GM6 | 1.10 | 48U8/4GS8 ${ }^{.98}$ | 36 T 1185 | $\begin{aligned} & 523 \\ & 524 \end{aligned}$ | $\begin{aligned} & 2.13 \\ & \text { USE } \end{aligned}$ | 1.92 | 1.70 |  |  |
|  | 4GS8 | USE |  |  |  |  | 5Y36T |  |  |  |
| 36 T 1116 | $4 \mathrm{G25}$ | 1.78 | $\begin{array}{ll}1.60 & 1.42 \\ 1.06 & .94\end{array}$ | 36 T 118636 T 1187 | 6 6A7 | 4.00 | $\begin{aligned} & 3.60 \\ & 3.20 \end{aligned}$ | 3.20 |  |  |
| 36 T 1117 | 4MA5/PC900 | 1.18 |  |  |  | 3.55 |  | 2.84 |  |  |
| 36 T 1118 | 4HA7/4HC7 | 1.53 | $1.38 \quad 1.22$ | 36 <br> 36 <br> 36 11187 | 648 $64 B 4$ | 1.63 | 1.47 | 1.302.34 |  |  |
| 36 T 1119 | 4HM6 | 1.55 | 1.401 .24 | 36 T 1189 | 6AC5GT | 2.93 | 2.64 |  |  |  |
| 36 T 1120 | 4 He5 | 2.30 | 2.071 .84 | 36 T 119036 T 1191 | 6 6AC7 | 2.88 | 2.59 | 2.30 |  |  |
| 36 T 1121 | 4HS8 | 1.68 | 1.511 .34 |  | 6AC106AD10 | 2.05 | 1.85 | 1.64 |  |  |
| 36 T 1122 | $4{ }^{4} 56$ | 1.28 | $1.15 \quad 1.02$ | 36 <br> 36 <br> 36 1191 |  | 3.45 | 3.11 | 2.76 |  |  |
| 36 T 1123 | 4JC6A | 2.15 | 1.941 .72 | 36 T 1193 | 6AF3 | 1.55 | 1.40 | 1.241.64 |  |  |
| 36 T 1124 | $4 J 06$ | 2.15 | 1.941 .72 | $\begin{aligned} & 36 \text { T } 1194 \\ & 36 \text { T } 1195 \end{aligned}$ |  | 2.05 | $1.85 \quad 1.64$ |  |  |  |
|  |  |  |  |  |  | 3.15 | 2.84 | 2.52 |  |  |
|  |  |  |  |  |  | 1.78 | 1.60 | 1.42 |  |  |
|  |  |  |  |  |  | 2.60 | 2.34 | 2.08 |  |  |
|  |  |  |  |  |  | 1.70 | 1.53 | 1.36 |  |  |
|  |  |  |  |  |  | 3.25 | 2.93 | 2.60 |  |  |

STOCK MO. TUBE TYPE | Net | Each | Asst. |
| :--- | :--- | :--- | :--- |



| STOCK NO. | -UBE TYPE | Net | Eath | Asst. |
| :---: | :---: | :---: | :---: | :---: |
| 10-49 | 50 up |  |  |  |

## .98 1.94 <br> $\begin{array}{ll}1.11 & .98 \\ 2.19 & 1.94\end{array}$

 $\begin{array}{ll}2.03 & 1.80 \\ 1.47 & 1.30\end{array}$| 36 Y 1218 | 6AR5 | 1.23 |
| :---: | :---: | :---: |
| 36 T 1219 | 6AR8 | 2.43 |
| 36 Y 1220 | 6 6R11 | 2.25 |
| 36 T 1221 | 6AS5 | 1.63 |
| 36 T 1222 | 6ass | 2.23 |
| 36 T 1223 | 6as11 | 2.55 |
| 36 Y 1224 | ${ }_{6 A T}^{6}$ | 1.20 |
| 36 T 1225 | 6ata | 2.60 |
| 36 Y 1226 | gauagta | 2.00 |
| 36 T 1227 | 6AU5GT | 2.60 |
| 36 Y 1228 | 6auga | 1.20 |
| 36 T 1229 | 6ausa | 2.45 |
| 36 Y 1230 | gavsca | 2.60 |
| 36 Y 1231 | Gav6 | -98 |
| 36 Y 1232 | 6avil | 2.20 |
| 36 Y 1233 | 6awba | 1.93 |
| 36 Y 1234 | $6{ }_{6 \times 3}$ | 1.30 |
| 36 Y 1235 | $6 A \times 4 \mathrm{GTB}$ | 1.48 |
| 36 T 1236 | 6ax56T | 1.93 |


| 36 T 1237 | $6 \times 88$ | 1.75 |
| :---: | :---: | :---: |
| 36 T 12386 | 6AY3B/6853A | 1.73 |
| 36 T 1239 | 6 AY11 | 2.25 |
| 36 T 1240 | 6 628 | 2.78 |
| 36 T 1241 | 688 | 3.43 |
| 36 T 1242 | 6810 | 1.83 |
| 36 T 1243 | 6813 | 1.53 |
| 36 Y 1244 | 6BA6/EF93 | 1.20 |
| 36 T 1245 | 68 A 7 | 2.95 |
| 36 T 1246 | 68A8A | 2.33 |
| 36 Y 1247 | 68411 | 2.15 |
| 36 T 1248 | 6BCA | 2.75 |
| 36 Y 1977 | 6BC8/6828 | 2.08 |
| 36 Y 1249 | 6BC5/6CE5 | 1.63 |
| 36 T 1250 | $68 C 7$ | 1.80 |
| 36 T 1251 | 6BCe | 2.08 |
| 36 T 1252 | $6 \mathrm{BD6}$ | 1.18 |
| 36 T 1253 | 68 D 11 | 2.78 |
| 36 T 1254 | 6BE3/6823 | 1.70 |

1.58
1.56
2.03
2.50
3.09
1.65
1.38
1.08
2.66
2.10
1.94
2.48
1.87
1.47
1.62
1.87
1.06
2.50
1.53

| 36 T 1255 | $68 \mathrm{E6}$ | 1.43 |
| :---: | :---: | :---: |
| 3611256 | 6BF5 | 1.68 |
| 36 Y 1257 | $68 F 6$ | 1.43 |
| 36 T 1258 | 68511 | 2.45 |
| 36 Y 1259 | 68666A | 3.08 |
| 36 T 1260 | 68H3A | 1.40 |
| 36 T 1261 | 6846 | 1.63 |
| 36 T 1262 | 6В \% | 2.30 |
| 36 T 1263 | 6 BH 11 | 2.35 |
| 36 Y 1264 | 6833 | 1.40 |
| 36 T 1265 | 6836 | 1.63 |
| 36 Y 1266 | 6837 | 1.48 |
| 36 Y 1267 | 6818 | 2.00 |
| 36 T 1268 | 6BK4B | 3.78 |
| 36 Y 1269 | 68K5 | 1.75 |
| 36 T 1270 | 68K78 | 2.00 |
| 36 T 1271 | 68L7GTa | 2.53 |
| 36 T 1272 | 6BLe/ECFBO | 1.35 |
| 36 T 1273 | 68m8/ECL8 | . 45 |


| Y 1274 | 6BN4 | 2.00 | 1.80 | 1.60 |
| :---: | :---: | :---: | :---: | :---: |
| 36 T 1275 | 6BN6/6K56 | 1.85 | 1.67 | 4 |
| $36 T 1276$ | 68 Ha | 1.85 | 1.67 | 1.46 |
| 36 T 1277 | 6BN11 | 2.25 | 2.03 | 30 |
| 36 T 1278 | 6B05/EL84 | 1.63 | 1.47 | 1.30 |
| 36 T 1279 | 6BQ6GA/6CU6 | 2.23 | 2.01 | 1.78 |
| 36 Y 1280 | b8Q6GTB/6CUE | 5.23 | 2.01 | 1.78 |
| $36 T 1281$ | 6BQ7A/6BZ7 | 2.08 | 1.87 | 1.66 |
| 36 T 1282 | bram/6FVba | 2.15 | 1.94 | 1.72 |
|  | 6BS3A | USE | 6AY3B/ |  |
| T 1284 | 6858 | 2.23 | 2.01 | 1.78 |
| 36 T 1285 | 6 BUB | 2.08 | 1.87 | 1.66 |
| 36 「 1286 | 6Bva | 1.50 | 1.35 |  |



$$
1.40
$$

1.40
3
0
3

| 36 Y 1314 | 6 CL 3 | 1.75 | 1.58 | 1.40 |
| :---: | :---: | :---: | :---: | :---: |
| 36 T1315 | 6CL6 | 2.08 | 1.17 | 1.66 |
| 36 T 1316 | 6CLBA | 2.08 | 1.07 | 1.66 |
| 36 T 1978 | 6CM3 | 2.45 | 2.21 | 1.96 |
| 36 T 1317 | 6CM6 | 1.93 | 1.74 | 1.54 |
| 36 T 1318 | 6CM7 | 1.63 | 1.47 | 1.30 |
| 36 T 1319 | 6CM | 2.03 | 1.83 | 1.62 |
| 36 T 1320 | 6CN7 | 2.23 | 2.01 | 1.71 |
|  | $6 \mathrm{CQ4}$ | USE | $60 E 4$ | 04 |
| 3671322 | 6CQ8 | 1.85 | 1.67 | 1.48 |
| 36 T 1323 | 6CR6 | 1.48 | 1.33 | 1.18 |
| 36 T 1324 | 6CS6 | 1.48 | 1.33 | 1.1 1 |
| 36 T 1325 | 6CS7 | 1.70 | 1.53 | 1.36 |
| 36 T 1326 | $6 \mathrm{CU5}$ | 1.78 | 1.60 | 1.42 |
|  | 6 CU6 | USE | 6B06CTB/ |  |
|  |  |  | 6 CUS |  |
| 36 T 1327 | 6CU8 | 2.30 | 2.07 | 1.84 |
| 36 T 1328 | 6CW4 | 2.45 | 2.21 | 1.96 |
| 36 T 1329 | 6CW5/ELS6 | 1.38 | 1.24 | 1.10 |3611307


| 6 CE 3 | USE | 6C68/6CE3 |
| :---: | :---: | :---: |
|  |  | ${ }^{6} \mathrm{CD} 3$ |
| 5 | USE | $6 \mathrm{CB5}$ |
| 6 | USE | 6CB6A/6C |36 r 1308 6CG3/6CE3/$\begin{array}{ll}\text { 6CD3 } & 1.70 \\ 6 \mathrm{CG7} & \text { USE } \\ 6 \mathrm{CGBA} & 1.7\end{array}$$\begin{array}{ll}1.53 & 1.36 \\ 6 R 97 / 6 C 67 \\ 1.60 & 1.42 \\ 2.55 & 1.26\end{array}$

36 T 1309
36 T 13106CHE
1.70
$6 \mathrm{CJ} / 3$
6 C
6 C
6
1.78
2.83/60w4B/
36 Y 1312
36 T 1313
CL3

| 36 T 1330 | 6CX8 | 2.38 | 2.14 | 1.90 |
| :---: | :---: | :---: | :---: | :---: |
| 36 T 1331 | 6 CY 5 | 2.00 | 1.80 | 1.80 |
| 36 T 1332 | 6 CY | 1.53 | 1.38 | 1.22 |
| 36 T 1333 | 6 C 25 | 2.38 | 2.14 | 1.90 |
| 36 T 1334 | 6010 | 2.33 | 2.10 | 1.86 |
| 36 T 133 | DA4A/6DM4A | 1.85 | 1.67 | 1.48 |
| 36 T 1337 | 60B5 | 2.50 | 2.25 | 2.00 |
| 36 T 1334 | $60 C 6$ | 1.93 | 1.74 | 1.54 |
| 36 T 1339 | 6DCA/EBF89 | 1.53 | 1.38 | 1.22 |
| 36 T 1340 | 60E4/6C04 | 1.78 | 1.60 | 1.42 |
| 36 T 134 | 6DE6 | 1.48 | 1.33 | 1.18 |
| 36 T 134 | 6DE7 | 2.08 | 1.8 | 1.66 |
| 36 T 1348 | 60G6GT | 1.93 | 1.74 | 1.54 |
| 36 T 1344 | 6 DK 6 | 1.48 | 1.33 | 1.18 |
| 36 T1345 | 60L5/EL95 | 1.48 | 1.33 | 1.18 |
|  | 60M4A | USE | 60A4A/6 | 14a |
| 36 T1347 | 6DN6 | 3.50 | 3.15 | 2.80 |
| 36 Y1348 | $60 N 7$ | 2.00 | 1.80 | 1.60 |


| 36 Y 1348 | $6 \mathrm{DQ5}$ | 3.93 | 3.54 | 3.14 |
| :---: | :---: | :---: | :---: | :---: |
| 36 ¢ 1350 | 6096B/GGW6 | 2.10 | 1.89 | 1.68 |
| 36 T 1351 | $6 \mathrm{DR7}$ | 2.30 | 2.07 | 1.84 |
| 36 T 1352 | 6054 | 2.45 | 2.21 | 1.96 |
| 36 T 1353 | 6055 | 1.83 | 1.65 | 1.46 |
| 36 T 1384 | 6 675 | 1.78 | 1.60 | 1.42 |
| 36 T 13E5 | 60T64 | 1.35 | 1.22 | 1.08 |
| 36 T 13E7 | 6DY4 | 3.23 | 2.91 | 2.58 |
|  | 60W4B | USE | 6C13/ |  |
|  |  |  | 60W4B/ | 6CL3 |
| 36 Y 1358 | 6DW5 | 1.93 | 1.74 | 1.54 |
| 36 T1359 | 60x8/ECL84 | 1.48 | 1.33 | 1.18 |
|  | 6024 | USE | AF4/6 |  |


| STOCK NO | TUBE TYPE | $\begin{aligned} & \text { Net } \\ & 1.9 \end{aligned}$ | $\begin{aligned} & \text { Each } \\ & 10-49 \end{aligned}$ | Asst. <br> 50 up |
| :---: | :---: | :---: | :---: | :---: |
| 36 T 1360 | 6027 | 4.35 | 3.92 | 3.45 |
| 36 T 1361 | $6 E 5$ | 2.83 | 2.55 | 2.26 |
|  | GEA4A | USE | 6EN4A |  |
|  | 6EA5 | USE | $6 \mathrm{CY5}$ |  |
|  | 6EA7 | USE | $6 \mathrm{EM} 7 /$ | EA |
| 36 T 1363 | 6EAB | 1.78 | 1.60 | 1.42 |
| 36 T 1364 | 6E85 | 2.30 | 2.07 | 1.84 |
|  | 6EB8 | USE | 66N8/6 | 6EB8 |
|  | 6EF4 | USE | 6EJ4A |  |
| 36 T 1366 | 6EH4A | 4.10 | 3.69 | 3.28 |
| 36 T 1367 | 6EH5 | 1.78 | 1.60 | 1.42 |
| 36 Y 1368 | 6ENT/EF183 | 1.93 | 1.74 | 1.54 |
| 36 T 1369 | 6EH8 | 1.75 | 1.58 | 1.40 |
| 36 T 1370 | 6EJ4A | 4.25 | 3.83 | 3.40 |
| 36 T 1371 | 6EJ7/EF184 | 1.78 | 1.60 | 1.42 |
| 36 T 2004 | 6EL4 | 4.18 | 3.76 | 3.34 |
| 36 T 1372 | 6EM5 | 1.85 | 1.67 | 1.48 |
| 36 T 1373 | SEm7/6EAT | 2.60 | 2.34 | 2.08 |
| 36 ¢ 1374 | $6 \mathrm{EQ7}$ | 1.48 | 1.33 | 1.18 |
| 36 Y 1375 | 6ER5 | 1.80 | 1.71 | 1.52 |
| 36 T 1376 | 6ES5 | 1.43 | 1.29 | 1.14 |
| 36 Y 1377 | 6ES8/ECC189 | 2.73 | 2.46 | 2.18 |
| 36 T 1378 | 6ET7 | 2.00 | 1.80 | 1.60 |
| 36 T 1379 | $6 E \cup 7$ | 1.63 | 1.47 | 1.30 |
| 36 Y 1380 | 6EUE | 1.65 | 1.67 | 1.44 |
| 36 T 1381 | 6 EV5 | 1.55 | 1.40 | 1.24 |
| 36 T 1382 | 6 EV 7 | 1.63 | 1.47 | 1.30 |
| 36 T 1383 | 6EW6 | 1.35 | 1.22 | 1.08 |
| 36 Y 1384 | 6EW7 | 3.00 | 2.70 | 2.40 |
| 36 T 1385 | 6EX6 | 3.75 | 3.38 | 3.00 |
| 36 T1386 | 6EY6 | 1.98 | 1.78 | 1.58 |
| 36 Y 1387 | 6E25 | 2.23 | 2.01 | 1.78 |
| 36 T 1388 | 6E28 | 1.78 | 1.80 | 1.42 |
| 36 T 1389 | 6F5 | 2.75 | 2.48 | 2.20 |
| 36 T 1390 | 6F6 | 2.90 | 2.51 | 2.32 |
| 3611391 | 6F6GT | 2.90 | 2.61 | 2.32 |
| 36 T 1392 | $6 F 56$ | 4.23 | 3.61 | 3.38 |
| 36 Y 1393 | $6 F 47$ | 1.48 | 1.33 | 1.18 |
| 36 Y 1394 | 6 FD6 | 1.78 | 1.60 | 1.42 |
| 36 Y 1395 | 6 FD 7 | 2.65 | 2.39 | 2.12 |
| 36 Y 1396 | 6FE5 | 1.70 | 1.53 | 1.36 |
| 36 T 1397 | 6F65 | 2.68 | 2.41 | 2.14 |
| 36 T 1398 | 6FG6/EM34 | 1.65 | 1.49 | 1.32 |
| 36 T 1399 | 6FG7 | 2.08 | 1.87 | 1.66 |
| 36 I 1400 | 6 FH 5 | 1.93 | 1.74 | 1.54 |
| 36 T 1401 | 6 FH: | 2.03 | 1.83 | 1.62 |
| 36 T 1402 | $6 F 17$ | 1.88 | 1.69 | 1.50 |
| 36 T 1403 | $6 F M 7$ | 1.63 | 1.47 | 1.30 |
| 36 T 1404 | 6FMs | 1.43 | 1.29 | 1.14 |
|  | 6Fa5A | USE | 6615 | 5A |
| 36 Y 1405 | 6FaT/6C67 | 1.18 | 1.06 | . 94 |
| 36 Y 1406 | 6 FS5 | 2.05 | 1.85 | 1.64 |
| 36 T 1407 | 6FV6 | 2.23 | 2.01 | 1.78 |
|  | 6FV8a | USE | 68RaA |  |
| 36 Y 1408 | 6FW5 | 1.93 | 1.74 | 1.54 |
| 36 T 1409 | 6FY5/EC97 | 1.38 | 1.24 | 1.10 |
| 36 Y 1410 | 6 FY7 | 1.75 | 1.58 | 1.40 |
| 36 T 1411 | 6056 | 3.40 | 3.06 | 2.72 |
| 36 T 1412 | 6611 | 2.20 | 1.98 | 1.76 |
| 36 T 1413 | 66B5/EL500 | 1.90 | 1.71 | 1.52 |
| 36 T 1414 | $66 C 5$ | 2.23 | 2.01 | 1.7 |
| 36 T 1415 | 66E5 | 1.93 | 1.74 | 1.54 |
| 3611416 | 6GF5 | 1.90 | 1.71 | 1.52 |
| 3611417 | 6GF7a | 2.43 | 2.19 | 1.94 |
| 36 T 1418 | 66 H8A | 1.60 | 1.44 | 1.28 |
| 3611419 | 6G35A | 2.80 | 2.52 | 2.24 |
| 36 T 1420 | 6G17/ECF801 | 1.55 | 1.40 | 1.24 |
| 36 I 1421 | 66K5/6Ft5A | 2.08 | 1.47 | 1.66 |
| 36 T 1422 | 6GK6 | 1.70 | 1.53 | 1.36 |
| 36 T 1423 | 6617 | 2.90 | 2.61 | 2.32 |
| 3611424 | 6CM5 | 1.53 | 1.38 | 1.22 |
| 36 T 1425 | 6GM6 | 1.63 | 1.47 | 1.30 |
| 36 T 1426 | 6GMB/ECCA6 | 2.18 | 1.96 | 1.74 |
| 3611427 | 6GN8/GEB8 | 2.35 | 2.12 | 1.88 |
| 36 T 1428 | 6697 | 1.88 | 1.69 | 1.50 |
| 36 T 1429 | 6ct5a | 2.70 | 2.43 | 2.16 |
| 36 I 1430 | 6605 | 2.05 | 1.85 | 1.64 |
| 36 T 1431 | $66 \cup 7$ | 1.85 | 1.67 | 1.48 |
| 36 T 1432 | 6 V 5 | 2.08 | 1.87 | 1.66 |
| 36 T 1433 | 6GV8/ECLA5 | 2.30 | 2.07 | 1.84 |
|  | 66W6 | USE | 60968/6GW6 |  |
| 36 T 1434 | 66W8/ECLE 6 | 1.53 | 1.38 | 1.22 |
|  | 66x6 | USE | 66Y6/6GX6 |  |
| 36 T 1435 | $66 \times 7$ | 1.85 | 1.67 | 1.48 |
| 36 T 1436 | 66Y5 | 2.30 | 2.07 | 1.84 |
| 36 T 1437 | 6GY6/66X6 | 1.45 | 1.31 | 1.16 |
| 36 T 1438 | 6678 | 1.95 | 1.76 | 1.56 |
| 36 T 1439 | 6625 | 1.35 | 1.22 | 1.08 |


| STOCK NO. TUBE TYPE |  | $\begin{aligned} & \text { Net } \\ & 1.9 \end{aligned}$ | $\begin{aligned} & \text { Each } \\ & 10-49 \end{aligned}$ | Asst. <br> 50 up |
| :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & 36 \text { T } 1360 \\ & 36 \text { T } 1361 \end{aligned}$ | 6027 | 4.35 | 3.92 | 3.48 |
|  | 6 E5 | 2.83 | 2.55 | 2.26 |
|  | GEA4A | USE | 6EH4A |  |
|  | 6EA5 | USE | $6 \mathrm{CY5}$ |  |
|  | 6EA7 | USE | $6 \mathrm{EM} 7 /$ | EA7 |
| 36 T 1363 | 6EAB | 1.78 | 1.60 | 1.42 |
| 36 T 1364 | 6E85 | 2.30 | 2.07 | 1.84 |
|  | 6EB8 | USE | 6¢Ns/6EBA |  |
|  | 6EF4 | USE | 6EJAA |  |
| 36 T 1366 | 6EH4A | 4.10 | 3.69 | 3.28 |
| 36 T 1367 | 6EH5 | 1.78 | 1.60 | 1.42 |
| 36 Y 1368 | 6EN7/EF133 | 1.93 | 1.74 | 1.54 |
| 36 T 1369 | 6EH8 | 1.75 | 1.58 | 1.40 |
| 36 T 1370 | 6EJ4A | 4.25 | 3.83 | 3.40 |
| 36 T 1371 | 6EJ7/EF184 | 1.78 | 1.60 | 1.42 |
| 36 T 2004 | 6EL4 | 4.18 | 3.76 | 3.34 |
| 36 T 1372 | 6EM5 | 1.85 | 1.67 | 1.48 |
| 36 Y 1373 | GEm7/6EAT | 2.60 | 2.34 | 2.08 |
| $36{ }^{36} 1374$ | $6 \mathrm{EQ7}$ | 1.48 | 1.33 | 1.18 |
| 36 Y 1375 | 6ER5 | 1.80 | 1.71 | 1.52 |
| 36 T 1376 | 6ES5 | 1.43 | 1.29 | 1.14 |
| 36 T 1377 | 6ES8/ECC189 | 2.73 | 2.46 | 2.18 |
| 36 T 1378 | 6ET7 | 2.00 | 1.60 | 1.60 |
| 36 T 1379 | $6 E \cup 7$ | 1.63 | 1.47 | 1.30 |
| 36 Y 1380 | 6EU: | 1.65 | 1.67 | 1.48 |
| 36 T 1381 | 6EV5 | 1.55 | 1.40 | 1.24 |
| 36 T 1382 | 6 EV7 | 1.63 | 1.47 | 1.30 |
| 36 T 1383 | 6EW6 | 1.35 | 1.22 | 1.08 |
| 36 Y 1384 | 6EW7 | 3.00 | 2.70 | 2.40 |
| 36 T 1385 | 6EX6 | 3.75 | 3.38 | 3.00 |
| 36 T1386 | 6EY6 | 1.98 | 1.78 | 1.58 |
| 36 Y 1387 | 6E25 | 223 | 2.01 | 1.78 |
| 36 T 1388 | $6 E 28$ | 1.78 | 1.80 | 1.42 |
| 36 T 1389 | 6F5 | 2.75 | 2.48 | 2.20 |
| 36 T 1390 | $6 F 6$ | 2.90 | 2.61 | 2.32 |
| 36 T 1391 | 6F6GI | 2.90 | 2.61 | 2.32 |
| 36 Y 1392 | $6 F 56$ | 4.23 | 3.61 | 3.38 |
| 36 Y 1393 | $6 F 97$ | 1.48 | 1.33 | 1.18 |
| 36 Y 1394 | 6506 | 1.78 | 1.60 | 1.42 |
| 36 T 1395 | 6 FD7 | 2.65 | 2.39 | 2.12 |
| 36 T 1396 | 6FE5 | 1.70 | 1.53 | 1.36 |
| 36 T 1397 | 6 F65 | 2.68 | 2.41 | 2.14 |
| 36 T 1398 | 6FG6/EM84 | 1.65 | 1.49 | 1.32 |
| 36 I 1399 | 6 FG7 | 2.08 | 1.87 | 1.66 |
| 36 I 1400 | 6FH5 | 1.93 | 1.74 | 1.54 |
| 36 T 1401 | 6 FH \% | 2.03 | 1.83 | 1.62 |
| 36 T 1402 | 6 FJ 7 | 1.88 | 1.69 | 1.50 |
| 36 T 1403 | 6FM7 | 1.63 | 1.47 | 1.30 |
| 36 T 1404 | 6FMs | 1.43 | 1.29 | 1.14 |
|  | 6F95A | USE | 66K5/6Fa5A |  |
| 36 T 1405 | 6FQ7/6C67 | 1.18 | 1.06 | . 94 |
| 3611406 | 6 FS5 | 2.05 | 1.85 | 1.64 |
| 36 T 1407 | 6 FV6 | 2.23 | 2.01 | 1.78 |
|  | 6FVáa | USE | 6BRA/6FV8A |  |
| 36 I 1408 | 6FW5 | 1.93 | 1.74 | 1.54 |
| $36 T 1409$ | 6FY5/EC97 | 1.38 | 1.24 | 1.10 |
| 3611410 | 6 FY7 | 1.75 | 1.58 | 1.40 |
| 36 T 1411 | 6656 | 3.40 | 3.06 | 2.72 |
| 36 T 1412 | 6611 | 2.20 | 1.98 | 1.76 |
| 36 Y 1413 | 66B5/EL500 | 1.90 | 1.71 | 1.52 |
| 36 T 1414 | 66.5 | 2.23 | 2.01 | 1.76 |
| 36 T 1415 | 6CE5 | 1.93 | 1.74 | 1.54 |
| 36 Y 1416 | 6GF5 | 1.90 | 1.71 | 1.52 |
| 3611417 | 6GF7a | 2.43 | 2.19 | 1.94 |
| 36 T 1418 | 66H8A | 1.60 | 1.44 | 1.28 |
| 3611419 | 6G15A | 2.80 | 2.52 | 2.24 |
| 36 T 1420 | 6GI7/ECF801 | 1.55 | 1.40 | 1.24 |
| 36 I 1421 | 66K5/6Fa ${ }^{\text {a }}$ | 2.08 | 1.87 | 1.66 |
| 36 T 1422 | 6GK6 | 1.70 | 1.53 | 1.36 |
| 36 T 1423 | 6617 | 2.90 | 2.61 | 2.32 |
| 3611424 | 6CM5 | 1.53 | 1.38 | 1.22 |
| 36 I 1425 | 6GM6 | 1.63 | 1.47 | 1.30 |
| 36 T 1426 | 6GM8/ECCA6 | 2.18 | 1.96 | 1.74 |
| 3611427 | 6GN8/GEB8 | 2.35 | 2.12 | 1.88 |
| 36 T 1428 | 6697 | 1.80 | 1.69 | 1.50 |
| 36 T1429 | 6GT5A | 2.70 | 2.43 | 2.16 |
| 36 I 1430 | 6645 | 2.05 | 1.85 | 1.64 |
| 36 T 1431 | 6607 | 1.85 | 1.67 | 1.48 |
| 36 T 1432 | 66 V 5 | 2.08 | 1.87 | 1.66 |
| 36 T 1433 | 6GV8/ECLE5 | 2.30 | 2.07 | 1.84 |
|  | 6GW6 | USE | 60Q6B/6Gw6 |  |
| 36 T 1434 | 6GW8/ECLE 6 | 1.53 | 1.38 | 1.22 |
|  | 66x6 | USE | 66Y6/66x6 |  |
| 36 T 1435 | $66 \times 7$ | 1.85 | 1.67 | 1.48 |
| 36 T 1436 | 66Y5 | 2.30 | 2.07 | 1.84 |
| 36 Y 1437 | 6GY6/66x6 | 1.45 | 1.31 | 1.16 |
| 36 T 1438 | 66 Y | 1.95 | 1.76 | 1.56 |
| 36 T 1439 | 6625 | 1.35 | 1.22 | 1.08 |

RCA \& GE RECEIVING TUBES (Cont.)

| STOCK ND. TUBE TYP |  | $\begin{aligned} & \text { Net } \\ & 1.9 \end{aligned}$ | $\begin{array}{ll} \text { Each } & \text { Asst. } \\ 10-49 & 50 \mathrm{up} \end{array}$ | STOCK NO. | TUBE TYPE | $\begin{aligned} & \text { Net } \\ & 1.9 \end{aligned}$ | $\begin{aligned} & \text { Each } \\ & 10-49 \end{aligned}$ | $\begin{aligned} & \text { Asst. } \\ & 50 \text { up } \end{aligned}$ | STOCK No. | . TUBE TYPE | $\begin{aligned} & \text { Net } \\ & 1.9 \end{aligned}$ | $\begin{aligned} & \text { Each } \\ & 10.49 \end{aligned}$ | $\begin{aligned} & \text { Asst. } \\ & 50 \mathrm{up} \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 36 T 1440 | $6 \mathrm{CH}_{6}$ | 2.45 | $2.21 \quad 1.96$ | 36 T 1518 | 6LM8/LCF80 | 1.20 | 1.08 | 96 | 36 Y 1598 | $88 \cup 11$ | 2.50 | 2.25 | 2.00 |
|  | 6HA5 | US | 6HM5/6HA5 | 36 T 1979 | 6L06/5JE6C | 4.25 | 3.83 | 3.40 |  | 8 CG7 | USE | 8 F 97 | co |
|  | 6HA6 | USE | 6HB6/6HA6 | 36 T 1519 | 6108 | 2.53 | 2.28 | 2.02 | 36 T 9599 | 8 CM 7 | 1.35 | 1.22 | 1.08 |
| 36 T 1441 | $\begin{aligned} & \text { 6HB5 } \\ & \text { 6HB6/6HA6 } \end{aligned}$ | 2.30 | 2.071 .84 | 36 T 1520 | $6 \mathrm{LT8}$ | 1.35 | 1.22 | 1.08 | 36 T 1600 | $8 \mathrm{CN7}$ | 1.53 | 1.38 | 1.22 |
| 36 T 1442 |  | 2.23 | 2.01 1.78 | 36 T 1521 | 6LU8 | 2.38 | 2.14 | 1.90 | 36 T 1601 | 8 CS 7 | 1.78 | 1.60 | 1.42 |
| 36 T 1443 | 6HB7 | 2.00 | $1.80 \quad 1.60$ | 36 T 1522 | 6LX8/LCF802 | 1.30 | 1.17 | 1.04 | 36 T 1602 | 8CW5/XL86 | 1.28 | 1.15 | 1.02 |
| 36 T 1444 | $\begin{aligned} & \text { 6HE5 } \\ & \text { 6HF5 } \end{aligned}$ | 1.85 | $1.67 \quad 1.48$ | 36 T 1523 | 6 LY 8 | 1.95 | 1.76 | 1.56 | 36 T 1603 | $8 \mathrm{CX8}$ | 2.20 | 1.98 | 1.76 |
| $\begin{aligned} & 36 \text { T } 1445 \\ & 36 \text { T } 1446 \end{aligned}$ |  | 3.65 | $3.29 \quad 2.92$ | 36 T1524 | $6 \mathrm{M17}$ | 2.50 | 2.25 | 2.00 |  | 8EB8 | USE | 8 GNB | E88 |
|  | 6HF8 | 2.30 | $2.07 \quad 1.84$ | 36 I 1525 | 6 MOB | 2.43 | 2.19 | 1.94 | 36 T 1604 | 8EMS | 1.85 | 1.67 | 1.48 |
|  | 6HG8/ECFA6 | USE | 6AQ5A/6H65 | 36 T 1526 |  | 2.30 | 2.07 | 1.84 | 36 I 1605 | $8 \mathrm{ET7}$ | 2.08 | 1.87 | 1.66 |
| $36 T 1447$ $36 T 1448$ |  | 1.85 | $1.67 \quad 1.48$ | $\begin{aligned} & 36 \text { T } 1980 \\ & 36 \text { T } 1981 \end{aligned}$ |  | 2.38 | 2.14 | 1.90 | 36 T 1606 | 8F07/8C67 | 1.18 | 1.06 | . 94 |
| 36 T 14488 36 T 1449 | 6HI5 | 2.90 | $2.61 \quad 2.32$ |  | $\begin{aligned} & \text { GMF8 } \\ & \text { 6MKB } \end{aligned}$ | 2.15 | 1.94 | 1.72 | 36 T 1607 | $86 \mathrm{~J} / \mathrm{PCF} 80$ | 1.45 | 1.31 | 1.16 |
| 36 T 1449 36 T 1450 | 6HJ8 6 6K5 | 1.55 | $1.40 \quad 1.24$ | $\begin{aligned} & 36 \text { T } 1527 \\ & 36 \text { T } 1528 \end{aligned}$ | $\begin{aligned} & 6 N 7 \\ & 6 N 76 T \\ & 607 \end{aligned}$ | 2.53 | 2.28 | 2.02 | 36 I 1608 | 8GNB/8EB8 | 2.08 | 1.87 | 1.66 |
| 36 T $145 \%$ | 6 HL | 1.95 | $\begin{array}{ll}1.76 & 1.56 \\ 1.38 & 1.22\end{array}$ |  |  | 2.60 | 2.34 2.66 | 2.08 | 36 T 1609 | 8607 | 1.60 | 1.44 | 1.28 |
| 36 T 1452 | 6HM5/6HA5 | 1.93 | 1.741 .54 |  | 6011 | USE | 6K11/6a11 |  | 36 T 1611 | 8JVE | 2.15 | 1.54 | 1.34 1.72 |
| 36 T 1453 | 6HM6 | 1.48 | $1.33 \quad 1.18$ | $\begin{aligned} & 36 \mathrm{~T} 1530 \\ & 36 \mathrm{~T} 7531 \\ & 36 \mathrm{~T} 1532 \end{aligned}$ |  | 1.48 | 1.33 | 1.18 | 36 T 1612 | 8KAB | 2.13 | 1.92 | 1.70 |
| 36 T 1455 | 6HR5 | 2.25 | 2.031 .80 |  | GS8GT | 2.08 | 1.87 | 1.66 | 36 T 1613 | $8 \mathrm{LC8}$ | 2.13 | 1.92 | 1.70 |
|  |  | 1.28 | 1.151 .02 |  | $6 S^{4} 7$ | 2.95 | 2.66 | 2.36 | 36 T 1614 | 8LT8 | 1.35 | 1.22 | 1.08 |
| 36 T 1456 | 6HR6 | 1.85 | 1.671 .48 | 36 T 8533 | 6Sa7gt | 2.20 | 1.98 | 1.76 | 36 T 1615 | 8/848/ |  |  |  |
| 36 T 1457 | 6HS5 | 3.88 | $3.49 \quad 3.10$ | 36 T 1534 | 6SB7Y | 2.98 | 2.68 | 2.38 |  | PCF80 | 1.33 | 1.20 | 1.06 |
| 36 T 1458 |  | 1.85 | 1.67 1.48 | 36 T 7535 | 6SC7 | 2.45 | 2.21 | 1.96 | 36 T 1616 | 9 AUT | 1.48 | 1.33 | 1.18 |
| 36 T 1459 | 6HS8 | 2.15 | $1.94 \quad 1.72$ | 36 T 1536 | $65 \mathrm{F5}$ | 2.23 | 2.09 | 1.78 | 36 T 1617 | 98 ग1! | 2.40 | 2.16 | 1.92 |
| 36 T 1460 | 6 H 266 H 28 | 1.50 | $1.35 \quad 1.20$ | 36 T 1537 | 6557 | 3.15 | 2.84 | 2.52 | 36 Y 1618 | $9 \mathrm{PR7}$ | 1.58 | 1.42 | 1.92 |
| 36 Y 1461 |  | 2.75 | $2.48 \quad 2.20$ | 36. 11538 | 6S67 | 2.45 | 2.21 | 1.96 | 36 T 1619 | 9 CL 8 | 1.48 | 1.33 | 1.18 |
| 36 T 1462 | $6 H 28$$6 J 5$$6 J 56 T$ | 2.05 | 1.851 .64 | 36 T 1539 | 6 6H7 | 2.68 | 2.41 | 2.14 | 36 T 7620 | 9EAB | 1.53 | 1.38 | 1.22 |
| 36 T 1463 |  | 2.05 | $1.85 \quad 1.64$ | 36 T 1540 | 6517 | 2.08 | 1.87 | 1.66 | 36 T 1984 | 96B8 | 1.70 | 1.53 | 1.36 |
| 36 T 1465 | 6J56T | 1.63 | $1.47 \quad 1.30$ | 36 I 1541 | 6SJ7GT | 1.95 | 1.76 | 1.56 | 36 T 1621 | $96 \mathrm{V8} / \mathrm{XCL} 85$ | 1.70 | 1.53 | 1.36 |
|  | 657 $6 J 10$ | 2.60 | 2.342 .08 | 36 I 1542 | 6SK7 | 2.23 | 2.01 | 1.78 | 36 T 1622 | 9KC6 | 2.18 | 1.96 | 1.74 |
|  |  | USE | 6210/6J10 | 36 I 1543 | 6SK76T | 2.75 | 2.48 | 2.20 | 36 T 1623 | $9 \times 106$ | 2.08 | 1.87 | 1.66 |
| 36 T 1466 36 T 1467 | $6 J 10$ | 2.40 | $2.16 \quad 1.92$ | 36 T 1544 | 6SL7GT | 2.00 | 1.80 | 1.60 | 36 Y 1624 | 9K28 | 1.48 | 1.33 | 1.18 |
| 36 T 1468 | 6JB6A 6JC6A | 2.93 1.98 | $\begin{array}{ll}2.64 & 2.34 \\ 1.78 & 1.58\end{array}$ | 36 T 1545 36 T 1546 | 6SN7GTB | 1.55 | 1.40 | 1.24 | 3671625 | 8A | 1.55 | 1.40 | 1.24 |
| 36 T 1469 | GJC8 | 1.65 | 1.78 | 36 T 1546 36 T 1547 | 6507 | 2.23 | 2.01 | 1.78 | 36 T 1626 | 10AL71 | 2.28 | 2.05 | 1.82 |
| 36 T 1470 | $\begin{aligned} & \text { 6JD6 } \\ & \text { 6JE6 } \end{aligned}$ | 1.78 | $1.60 \quad 1.42$ | 36 Y 1547 | $65076 T$ | 2. | 1.80 | 1.60 | 36 T 1627 | 10 Bas | 1.38 | 1.24 | 1.10 |
|  |  | USE | 6L06/6) |  |  |  | 2.21 | 1.96 | 36 I 1628 | 10C8 | 2.58 | 2.32 | 2.06 |
| $\begin{aligned} & 36 \text { 「 } 1472 \\ & 36 \text { 「 } 1473 \end{aligned}$ | 6JE8 6JF6 | 1.85 | 1.67 1.48 | 36 Y 7549 | 6 TA | 2.5 | 2.32 | 2.06 | 36 T 1629 | 10CW5/LL | 1.28 | 1.15 | 1.02 |
|  |  | 3.10 | (1978 72.48 | 36 T 1550 | 6TAA | 1.85 | 1.67 | 1.48 | 36 T 1630 | 100E7 | 2.23 | 2.01 | 1.78 |
|  |  | 3.10 | 2.48 | 36 T 1551 | $6 \mathrm{T9}$ | 2.20 | 1.98 | 1.76 | 36 T 1631 | 100 | 2.2 | 2.01 | 1.78 |
| 36 T 1474 |  | 3.25 | $2.93 \quad 2.60$ | 36 T 1552 | 6710 | 2.13 | 1.92 | 1.70 | 36 T 1632 | 100×8/LCL | 1.38 | 1.24 |  |
| 36 T 1475 | 6JH661 H 8 | 1.48 | $1.31 \quad 1.16$ | 36 T 1553 | 605 | 3.70 | 3.33 | 2.96 | 36 T 7633 | 10EG7 | 2.20 | 1.98 | 1.76 |
| 36 T 1476 |  | 2.38 | $2.14 \quad 1.90$ | 36 T 1982 | 6U8A/6K08/ |  |  |  | 36 T 1634 | $10 \mathrm{EM7}$ | 2.45 | 2.21 | 1.96 |
| 36 T 1477 | 6JK8 | 2.03 | 1.831 .62 |  | 5K08 | 1.55 | 1.40 | 1.24 | 36 T 1635 | 10EW7 | 2.45 | 2.21 | 1.96 |
| 3611478 | 6JMGA | 2.08 | $1.87 \quad 1.66$ | 36 T 1554 | 6U9/ECF201 | 1.45 | 1.31 | 8.16 | 36 T 1635 | 10GF7A | 2.38 | 2.14 | 1.90 |
| 36 T 1479 36 T 1480 | 6JN6 | 1.93 | 1.741 .54 | 36 T 1555 | 6 6 10 | 1.83 | 1.65 | 1.46 | 36 T 1637 | 10GK6 | 1.53 | 1.38 | 1.22 |
| 36 T 2001 | 6JN8 | 1.83 | $1.65 \quad 1.46$ | 36 T 1556 | 6V3A | 2.28 | 2.05 | 1.82 | 36 T 1638 | 10GN8 | 2.23 | 2.01 | 1.78 |
| 36 T 2002 | 6JR6 | 3.00 | $\begin{array}{ll}1.42 & 1.26 \\ 2.70 & 2.40\end{array}$ | 36 T 1557 | 6V4/EC80 | 75 | 68 | . 60 | 36 Y 1639 | 10HF8 | 2.45 | 2.21 | 1.96 |
| 36 T 1481 | 6JS68 | 3.65 | $\begin{array}{ll}2.70 & 2.40 \\ 3.29 & 2.92\end{array}$ | 36 T 1558 | 6 V 6 | 3.18 | 2.86 | 2.54 |  | J/as | USE | 10128 | 10JA8 |
| 36 T 1482 | 6JT6A | 2.48 | $\begin{array}{ll}2.29 & 2.92 \\ 2.23\end{array}$ | 36 T 1559 | 6VGGTA | 1.63 | 1.47 | 1.30 | 36 T 1640 | OJT8 | 2.03 | 1.83 | 1.62 |
| 36 T 2003 | $6 J \cup 6$ | 3.18 | $\begin{array}{ll}2.86 & 2.98 \\ 2.86\end{array}$ | 36 T 1560 | 6 W | 1.48 | 1.33 | 1.18 | 36 T 1641 | JY8 | 1.83 | . 65 | 1.46 |
| 36 T 1483 | $6 J 18$ | 2.03 | $\begin{array}{ll}1.83 & 2.58 \\ 1.83\end{array}$ | 36 T 15 | ${ }^{6} \times 1$ | 1.85 | 1.67 | 1.48 | 36 T 1642 | KR8 | 2.13 | 1.92 | 1.70 |
| 36 T 1484 | 6JUBA | 1.93 | 1.741 .54 | 36 T 1562 | $6 \times 4$ | 1.05 | 95 | 84 | 36 T 1643 | OKU8 | 2.43 | 2.19 | 1.94 |
| 36 T 1485 | 6JV8 | 2.20 | 1.981 .76 | 3611563 | $6 \times 56$ | 1.48 | . 33 | 1.18 | 4 | B8 | 2.35 | 2.12 | 1.88 |
| 36 T 1486 |  | 1.55 | $1.40 \quad 1.24$ | 36 Y 1564 | $6 \times 8$ | 1.70 | 1.53 | 1.36 | 36 T 1645 | E8 | 2.95 | 2.66 | 2.36 |
| 36 T 1487 | 6JW8/ECF802 6126 | 2.33 | 2.101 .86 | 36 T 1565 | $6 \times$ | 1.48 | 3 | 1.18 | 36 T 1646 | W8 | 2.13 | 1.92 | 1.70 |
| 36 T 1488 | 6 J 28 | 1.78 | $1.60 \quad 1.42$ | 36 T 1567 | 6Y6GT | 2.23 | 2. | 1. | 36 T 1647 | 28/101A8 | 2.08 | 1.87 | 1.66 |
| 36 T 1489 | 6K6GT | 1.48 | 1.33 1.18 | 36 T 1567 | 6Y6g | . 7 | . 60 | 1. | 36 T 1648 | 11 AR11 | 2.05 | 1.85 | 1.64 |
| 36 T 1490 |  | 2.95 | $2.66 \quad 2.36$ |  | 624 62 | USE | 1.33 $8 / 674$ | 1.18 | 36 T 1649 36 T 1650 | 11 Ba 11 BT | 2.05 3.25 | 1.85 2.93 | 1.64 2.60 |
| 36 T 1491 |  | 3.85 | 3.473 .08 | 36 T 1569 | 6210/6J10 |  |  | 2.00 | 36 Y 1651 | $11 \mathrm{CA11}$ | 2.83 |  |  |
| 36 T 1492 |  | 1.83 | $1.65 \quad 1.46$ | 36 T 1570 | $7 \mathrm{A4}$ | 3.53 | 3.18 | 2.82 | 36 T 1652 | 11CY7 | 1.80 | 1.62 | 1.26 |
| 36 T 1494 | $\begin{gathered} 6 K 11 / 6011 \\ 6 K A 8 \end{gathered}$ | 2.25 | 2.031 .80 | 36 I 1571 | 745 | 2.83 | 2.55 | 2.26 | 36 T 1653 | $11 \mathrm{FY7}$ | 1.85 | 1.67 | 1.48 |
|  | 6KD6 6KD8 | 3.85 | $3.47 \quad 3.08$ | 36 T 1572 | 747 | 3.58 | 3.22 | 2.86 | 36 T 1654 | 11 HM7 | 2.38 | 2.14 | 1.90 |
|  |  | USE | 6U8A/6K08/ | 36 T 1573 | 74.67 | 3.95 | 3.56 | 3.16 | 36 T 1655 | 111E8 | 1.93 | 1.74 | 1.54 |
|  |  |  | 5K08 | 36 T 1574 | $74 \cup 7$ | 1.35 | 1.22 | 1.08 | 36 T 1656 | $11 \mathrm{KV8}$ | 2.95 | 2.66 | 2.36 |
| $\begin{array}{ll} 36 \text { T } 1495 \\ 36 \text { T } 1496 \end{array}$ | 6KE8 | 2.83 148 | $2.55 \quad 2.26$ | 36 T 1575 | 785 | 4.18 | 3.76 | 3.34 | 36 T 1657 | 11198 | 2.95 | 2.66 | 2.36 |
| 36 T 1497 | 6KM6 | 1.48 4.10 | $\begin{array}{ll}1.33 & 1.18 \\ 3.69 & 3.28\end{array}$ | 36 T 1576 36 T 1577 | 786 785 | 2.63 | 2.37 | 2.10 | 36 T 1658 | 11178 | 1.63 | 1.47 | 1.30 |
| 36 T 1498 | 6KM8 | 1.73 | $\begin{array}{ll}1.56 & 1.38\end{array}$ | 36 361578 | 7C5 | 1.68 | 1.51 +53 | 1.34 | 36 T1659 | 11Y9/LFL200 | 1.85 | 1.67 | 1.48 |
| 36 T 1499 | 6KS6 | 2.13 | $1.92 \quad 1.70$ | 36 T 1579 | $7 E Y 6$ | 1.85 | . 67 | 1.36 | 36 T 1660 | $12 \mathrm{AB5}$ | 1.93 | 1.74 | 1.54 |
|  |  | USE | 6BN6/6KS6 | 36 Y 1580 | $77^{\circ}$ | 3.75 | 1.67 3.38 | 1.48 3.00 | 36 T 1661 36 T 1662 | 12 l | 1.05 1.55 | $\begin{array}{r}.95 \\ \hline .40\end{array}$ | .84 1.24 |
| 36 T 1500 | 6KT66KT8 | 1.65 | $1.49 \quad 1.32$ | 36 T 1581 | 7 Fs | 4.13 | 3.72 | 3.30 | 36 T 1663 | 12AE6A | 1.55 | 1.40 | 1.24 |
| 36 T 1501 |  | 2.45 | $2.21 \quad 1.96$ | 36 T 1582 | 76v7 | 1.95 | 1.76 | 1.56 | 36 T 1664 | 12AE10 | 2.33 | 2.10 | 1.86 |
| 36 T 1502 | $\begin{aligned} & 6 \mathrm{KT8} \\ & 6 \mathrm{KU8} \end{aligned}$ | 2.40 | $2.16 \quad 1.92$ | 36 T 1583 | 7HE8/PF86 | 1.38 | 1.24 | 1.10 | 36 T 1665 | $12 \mathrm{AF3}$ | 8.93 | 1.74 | 1.54 |
| 36 T 1503 | 6KV8 | 2.93 | $2.64 \quad 2.34$ | 36 T 1584 | 7N7 | 3.55 | 3.20 | 2.84 | 36 T 1666 | 12 AF 6 | 1.58 | 1.42 | 1.26 |
| 36 T 1504 | 6KY8A | 3.63 | $3.27 \quad 2.90$ | 36 T 1585 | 7 7 | 2.33 | 2.10 | 1.86 | 36 T 1667 | 12AJ6 | 1.20 | 1.08 | . 96 |
| 36 T 1505 | 6K28 | 1.85 | 1.671 .48 | 36 T 1586 | $7 \times 7$ | 3.83 | 3.45 | 3.06 | 36 T 1668 | $12 \mathrm{AL5}$ | 1.15 | 1.04 | . 92 |
| 36 Y 1506 | 6L6 | 4.40 | 3.963 .52 |  | 8 AB | UE 9 | 848/ | F80 | 36 T 1669 | 12 ALB | 3.10 | 2.79 | 2.49 |
| 36 T 1507 | $\begin{aligned} & 6166 C \\ & 6 L 7 \end{aligned}$ | 2.38 | $2.14 \quad 1.90$ | 36 T 1587 | 8 AR11 | 2.18 |  | 1.74 | 36 T 1670 | $12 \mathrm{ALI1}$ | 2.10 | 1.89 |  |
| 36 T 1508 |  | 3.48 | $3.13 \quad 2.78$ | 36 T 1588 | 8AUB | 1.93 | 1.74 | 1.54 | 36 Y 1671 | 12 AOS | 1.55 | 1.40 | 1.24 |
| $\begin{array}{llll}36 & \text { T } 1509 \\ 36 \text { Y } 1510\end{array}$ | $\begin{aligned} & 6 L 7 \\ & 6 L B 6 \end{aligned}$ | 4.08 | $3.67 \quad 3.26$ | 36 T 1589 | BAWBA | 2.15 | 1.94 | 8.72 | 36 T 1672 | 12AT6 | 1.20 | 1.08 | . 96 |
|  | $\begin{aligned} & \text { 6LB8 } \\ & \text { 6LC6 } \end{aligned}$ | 2.35 | 2.12 1.88 | 36 Y 1590 | 8810 | 1.68 | 1.51 | 1.34 | 36 T 16731 | 12AT7/ECCB1 | 1.43 | 1.29 | 1.14 |
|  |  | USE | 6LH6A | 36 T 1591 | SBABA | 1.73 | 1.56 | 1.38 | 36 T 1674 | 12AU6 | 1.28 | 1.15 | 1.02 |
| 36 T 1511 | 6LC8 $\text { 6LE } 8$ | 2.10 | $1.89 \quad 1.68$ | 36 T 1592 | $8 \mathrm{BA11}$ | 2.00 | 1.80 | 1.60 | 36 T 1675 | 12AU7A/ |  |  |  |
| 36 Tr 1512 36 T 1513 | $\begin{aligned} & \text { 6LE } 8 \\ & 6 \text { LF } \end{aligned}$ | 3.10 2.08 | $\begin{array}{ll}2.79 & 2.48 \\ 1.87 & 1.66\end{array}$ | 36 T 1593 | $8 \mathrm{BH8}$ | 1.68 | 1.51 | 1.34 |  | ECCA2 | 1.28 | 1.15 | 1.02 |
| 36 <br> 36 |  | 2.08 3.85 | $\begin{array}{ll}1.87 & 1.66 \\ 3.47 & 3.08\end{array}$ | 36 T 1594 | $8 \mathrm{BM11}$ | 2.35 | 2.12 | 1.88 | $36 T 1676$ | 12av5ga | 2.53 | 2.28 | 2.02 |
| 36 T 1515 | 6L6 | 3.78 | $\begin{array}{ll}3.40 & 3.02\end{array}$ | 36 T 1595 | 8BN8 | 1.85 | 1.67 | 1.48 | 36 T 1677 | 12av6 | . 98 | . 88 | . 78 |
| 36 T 1516 | $\begin{aligned} & 6 L 8 \\ & \text { 5LMB } \end{aligned}$ | 2.05 | $1.85 \quad 1.64$ | 36 T 1596 | 8805 | 1.63 | 1.47 | 1.30 | $36 T 1678$ $36 T 1679$ | 12 liv7 | 1.80 8 | 1.62 | 1.44 |
| 36 Y 1517 |  | 2.23 | 2.011 .78 | 36 T 1597 | 88911 | 2.15 | 1.94 | 1.72 | 36 T 1680 | 12AX3 | 1.50 | 1.35 | 1.20 |

RCA \& GE RECEIVING TUBES (Cont.)

| STOCK NO. | TUAE TYPE | $\begin{aligned} & \text { Net } \\ & 1.9 \end{aligned}$ | $\begin{array}{ll} \text { Each Asst. } \\ 10-49 & 50 \text { up } \end{array}$ | STOCK NO. TUBE TYPE | $\begin{aligned} & \text { Net } \\ & 1.9 \end{aligned}$ | $\begin{gathered} \text { Each } \\ 10-49 \end{gathered}$ | $\begin{aligned} & \text { Asst. } \\ & 50 \text { up } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & 36 \text { T } 1681 \\ & 36 \text { T } 1682 \end{aligned}$ | 121046T8 | 1.35 | 1.221 .08 | 36 T 1751 12HG7 | 2.23 | 2.01 | 1.78 |
|  | 12ax7a/ |  |  | $36 \mathrm{~T} 1752 \quad 12 \mathrm{HL} 7$ | 2.23 | 2.01 | 1.78 |
|  | ECC83 | 1.35 | 1.221 .08 | 36 T 1753 12J5 | 2.05 | 1.85 | 1.64 |
| $\begin{aligned} & 36 \mathrm{~T} 1985 \mathrm{I} \\ & 36 \mathrm{~T} 1683 \end{aligned}$ | axya/7025 | 1.40 | $1.26 \quad 1.12$ | $36 T 1754$ 12156 | 2.40 | 2.16 | 1.92 |
|  | 12AY3A/ |  |  | 36 T 1755 12J3 | 2.18 | 1.96 | 1.74 |
|  | 128S3A | 1.33 | $1.20 \quad 1.06$ | 36 T 1756 12J86A | 3.10 | 2.79 | 2.48 |
| 36 T1684 | 12ay7 | 2.60 | $2.34 \quad 2.08$ | 36 T 1757 12N6 | 1.95 | 1.76 | 1.56 |
| $\begin{aligned} & 36 \text { T } 1685 \\ & 36 \text { T } 1686 \end{aligned}$ | 12a27a | 1.63 | $1.47 \quad 1.30$ | 36 T 1758 12JN8 | 1.85 | 1.67 | 1.48 |
|  | 1284A | 1.60 | $1.44 \quad 1.28$ | 36 T 1759 121764 | 2.48 | 2.23 | 1.98 |
| $\begin{aligned} & 36 \text {, } 1686 \\ & 36^{\prime} \mathrm{T} 1687 \end{aligned}$ | 12846 | 1.05 | $.95 \quad .04$ | 36 T 1760 12K5 | 1.73 | 1.56 | 1.38 |
| $\begin{array}{lll} 36 \\ 36 & 1688 \\ 36 & 1689 \end{array}$ | 12847 | 2.95 | $2.66 \quad 2.36$ | 36 T 1761 12K76T | 3.30 | 2.97 | 2.64 |
|  | 12806 | 1.18 | 1.06 . 94 | 36 T 1762 12KL8 | 1.23 | 1.11 | . 98 |
|  | 12807 | USE | 128Y7A/ | 36 T 1763 12L6GT | 1.78 | 1.60 | 1.42 |
| 36 T 1690 |  |  | 12807/12097 | $36 T 1764$ 12mD8 | 2.43 | 2.19 | 1.94 |
|  | 12BE3 | 1.53 | $1.38 \quad 1.22$ | 36 T 1765 - 12R5 | 1.68 | 1.51 | 1.34 |
| 36 T 1691 | 128E6 | 1.28 | 1.151 .02 | 36 T1766 12SA7 | 2.95 | 2.56 | 2.36 |
| $\begin{aligned} & 35 \text { T } 1692 \\ & 36 \mathrm{~T} 1693 \end{aligned}$ | 12856 | 1.18 | $1.06 \quad .94$ | 3611767 125A7c | 2.45 | 2.21 | 1.96 |
|  | 128F11 | 2.18 | $1.96 \quad 1.74$ | 36.T1768 12Sc7 | 2.60 | 2.34 | 2.08 |
| 36 T1694 | 12Bh7A | 1.58 | $1.42 \quad 1.26$ | 36 T1769 125F5 | 1.98 | 1.78 | . 58 |
| $\begin{array}{lll} 36 & 1695 \\ 36 & \mathrm{~T} & 1696 \\ 36 & \mathrm{~T} & 1697 \\ 36 & \mathrm{~T} & 1698 \end{array}$ | $128 \times 5$ | 1.88 | $1.69 \quad 1.50$ | 36 T 1770 125F7 | 3.10 | 2.79 | 2.48 |
|  | 12816 | 1.85 | $1.67 \quad 1.48$ | 36 T 1771 12S67 | 2.35 | 2.12 | 1.88 |
|  | 128N6 | 1.83 | $1.65 \quad 1.46$ | $36 T 1772$ 12SH7 | 2.70 | 2.43 | 2.16 |
|  | 12806ca/ |  |  | $36 T 177312517$ | 2.15 | 1.94 | 1.72 |
|  | 12CU6 | 10 | 1.891 .68 | 36 T 1774 125K7 | 2.23 | 2.01 | 1.78 |
| 36 T 1699 | 12806G78/ |  |  | 36 T 1775 12SK761 | 2.23 | 2.01 | 1.78 |
|  | 12CU6 | 2.23 | 2.01 1.78 | 36 T 1776 12SL7GT | 2.08 | 1.87 | 1.66 |
|  | 12887 | 1.53 | 1.381 .22 | 36 T 1777 12SN7GTA | 1.70 | 1.53 | 1.36 |
| 36 T 1700 | 12853A | USE | 128Y7A/ | 36 T 1778 | 2.23 | 2.01 | 1.78 |
|  |  |  | 128v7/12007 | 36 T 1779 12Sa7GT | 2.23 | 2.01 | 1.78 |
| 36 T 1702 | 12813 | 1.43 | 1.291 .14 | 36 T1780 12110 | 2.13 | 1.92 | 1.70 |
|  | 128 | USE | 128Y7a/ | 36 T 1781 12U66T | 2.23 | 2.01 | 1.78 |
|  |  |  | 128V7/12007 | 36 T1782 12W6GT | 2.23 | 2.01 | 1.78 |
| $\begin{aligned} & 36 \text { T } 1704 \\ & 36 \text { T } 1705 \end{aligned}$ | 128 W 4 | 1.68 | $1.51 \quad 1.34$ | 36 T 1783 12X4 | 1.13 | 1.02 | . 90 |
|  | 128Y7a/ |  |  | 36 T 1784 13CW4 | 2.53 | 2.28 | 2.02 |
|  | 128V/120 | 1.60 | 1.441 .28 | 36 T 1785 130E7 | 2.00 | 1.20 | 1.60 |
| $\begin{aligned} & 36 \mathrm{~T} \quad 1706 \\ & 36 \mathrm{~T} 1707 \end{aligned}$ | 12826 | 1.20 | 1.08 . 96 | 36 T 1786 130R7 | 2.38 | 2.14 | 1.90 |
|  | 12827 | 2.08 | 1.871 .66 | 36 T 1787 13EM7/15E | 2.68 | 2.41 | 2.14 |
|  | 12C5 | USE | 12CU5/12C5 | 36 「1788 13F07 | 2.53 | 2.28 | 2.02 |
| 36 T 1708 | $12 \mathrm{Ca5}$ | 1.70 | 1.531 .36 | 13FM7 | USE | FM7 |  |
| $36 T 1996$ <br> $36 T 1709$ <br> $36 T 1710$ <br> $36 T 1711$ <br> 36 | $12 \mathrm{CL3}$ | 1.75 | $1.58 \quad 1.40$ | 36 T $178913685 / \times 1500$ | 1.85 | 1.67 | 1.48 |
|  | 12CN5 | 1.63 | $1.47 \quad 1.30$ | 36 T1790 13GF7A | 2.35 | 2.12 | 1.88 |
|  | 12CR6 | 1.48 | 1.331 .18 | 13110 | USE | 13210/ | 110 |
|  | 12 CT | 2.48 | 2.231 .98 | 36 T 1791 13V10 | 2.05 | 1.85 | 1.64 |
|  | 12cus/12C5 | 1.70 | $1.53 \quad 1.36$ | 36 T 1792 13210/13110 | 2.53 | 2.28 | 2.02 |
|  | 12CU6 | USE | 12896GTB/ | 36 T 1794148111 | 2.80 | 2.52 | 2.24 |
|  |  |  | $12 \mathrm{CU6}$ | 36 T1795 148R11 | 2.90 | 2.61 | 2.32 |
| $\begin{aligned} & 36 \mathrm{~T} \\ & \hline 1713 \\ & 36 \mathrm{~T} 1714 \\ & 36 \mathrm{~T} 1715 \\ & 36 \mathrm{~T} 1716 \\ & 36 \mathrm{~T} \\ & 3617 \\ & 36 \mathrm{~T} \\ & 36 \mathrm{~T} \\ & \hline 1720 \end{aligned}$ | $12 \mathrm{CX6}$ | 1.38 | 1241.10 | 36 T 1796 14GT8 | 1.75 | 1.58 | 1.40 |
|  | 1204 | 1.53 | $1.38 \quad 1.22$ | 36 T 1797 141G8 | 1.55 | T. 40 | 1.24 |
|  | 12085 | 1.30 | 1.171 .04 | 36 T 179 l 15AF11 | 2.38 | 2.14 | 1.90 |
|  | 12DEE | 1.55 | $1.40 \quad 1.24$ | $36 \mathrm{~T} 17 \% 158011$ | 2.65 | 2.39 | 2.12 |
|  | $120 \mathrm{N6}$ | 1.15 | 1.04 . 92 | 36 T180) 15CW5/PL84 | 1.23 | 1.11 | . 98 |
|  | $120 \mathrm{K7}$ | 1.38 | $1.24 \quad 1.10$ | 36 T 1801 15008 | 1.70 | 1.53 | 1.36 |
|  | 120068/ |  |  | $15 \mathrm{EA7}$ | USE | EM7/ | 1 |
|  | 126 W 6 | 2.13 | 1.921 .70 | 36 T1802 15EW6 | 1.73 | 1.56 | 1.38 |
|  | 12007 | USE | 128Y7a/ | 36 T $180315 \mathrm{Fm7/13FM7}$ | 1.65 | 1.49 | 1.32 |
|  |  |  | 128Y7/12097 | 36 T1804 15FY7 | 1.95 | 1.76 | 1.56 |
| 36 T 1722 | 12DS | 2.70 | $2.43 \quad 2.16$ | 36 T18C5 15MB6 | 1.93 | 1.74 | 1.54 |
| 36 <br> 36 <br> 36 1723 | 12075 | 1.55 | 1.401 .24 | 36 T18C6 15MYBA | 2.90 | 2.61 | 2.32 |
|  | 12078 | 2.00 | $1.80 \quad 1.60$ | 36 T1807 15LE8 | 3.83 | 3.45 | 3.06 |
|  | 12047 | 2.20 | 1.981 .76 | 36 T18E8 1648 | 1.70 | 1.53 | 1.36 |
|  | 120V7 | 1.78 | $1.60 \quad 1.42$ | 36 T 1937 16ak9 | 2.95 | 2.66 | 2.36 |
|  | 120w7 | 1.53 | $1.38 \quad 1.22$ | 36 T 1809 16A03/xY88 | 1.35 | 1.22 | 1.08 |
|  | 12078 | 3.98 | 3.583 .10 | 36 T 1938 168Q11 | 2.18 | 1.96 | 1.74 |
|  | 12026 | USE | $12 \mathrm{EN6}$ | 36 T 1939 168×11 | 2.55 | 2.30 | 2.04 |
|  |  |  | 1226/ 2EA6 | 36 T 1810 16¢K6 | 1.53 | 1.38 | 1.22 |
|  | $12 \mathrm{EA6}$ | USE | 12EK6/ | 36 T1811 16GY5 | 2.43 | 2.19 | 1.94 |
|  |  |  | 12026/12EA6 | 36 T 1812 16イ46 | 2.23 | 2.01 | 1.78 |
| $\begin{array}{llll} 36 & \mathrm{~T} & 1730 \\ 36 & \mathrm{~T} & 1731 \\ 36 & \mathrm{~T} & 1732 \end{array}$ | 12 EDS | 1.35 | 1.221 .08 | 174810 | USE | 17×10/1 | 1810 |
|  | 12EG6 | 1.73 | 1.561 .38 | 36 T1E13 17A×3 | 1.30 | 1.17 | 1.04 |
|  | 12EN6/ |  |  | 36 T 1814 17AX4GTA | 1.85 | 1.67 | 1.48 |
|  | 12026/12EA6 | 1.80 | $1.62 \quad 1.44$ | 36 T 1115 17AYJA/ |  |  |  |
| $\begin{aligned} & 36 \text { T } 1734 \\ & 36 \mathrm{~T} 1735 \\ & 36 \mathrm{~T} 1736 \\ & 36 \text { T } 1738 \end{aligned}$ | 12E07 | 1.38 | $1.24 \quad 1.10$ | 17BS3A | 1.63 | 1.47 | 1.30 |
|  | 12 E 6 | 1.78 | $1.60 \quad 1.42$ | 36 T $1816178 \mathrm{E} 3 / 17823$ | 1.45 | 1.31 | 1.16 |
|  | 12F8 | 1.63 | 1.471 .30 | 36 T1317 178F11 | 2.28 | 2.05 | 1.12 |
|  | 12 FM 6 | 1.30 | 1.171 .04 | 36 T 1818 178M3 | 1.43 | 1.29 | 1.14 |
| 36 1739  <br> 36 $T$ 1740 <br> 36   <br> 36 1741  <br> 36 1742  <br> 36 1743  <br> 36 $T 1744$  <br> 36 $T$ 1745 <br> 36 $T 1746$  <br> 36 $T$ 1747 <br> 36 $T$ 1748 | 12FPs | 2.60 | $2.34 \quad 2.08$ | 36 T1819 178066T8 | 2.60 | 2.34 | 2.08 |
|  | 12FU7 | 1.70 | $1.53 \quad 1.36$ | 17ES3A | USE | $17 A Y 3$ | 1 |
|  | $12 \mathrm{FX5}$ | 1.63 | $1.47 \quad 1.30$ |  |  | 17853 |  |
|  | 12 Fx A | 1.93 | 1.741 .54 | 36 T 2005 178w3 | 1.60 | 1.44 | 1.20 |
|  | 12GA6 | 1.35 | 1.221 .08 | 1785 | USE | 178E3/1 | 7823 |
|  | $12 \mathrm{CC6}$ | 2.18 | $1.96 \quad 1.74$ | 17 Cs | USE | $17 \mathrm{CU5}$ | 7 CS |
|  | 12 CES | 2.05 | $1.85 \quad 1.64$ | 36 T1821 17C9 | 3.58 | 3.22 | 2.86 |
|  | $12 \mathrm{Cl} \mathrm{S}^{\text {a }}$ | 2.45 | $2.21 \quad 1.96$ | 36 T 1822 176K3 | 1.48 | 1.33 | 1.18 |
|  | 12GN7A | 2.23 | 2.01 1.78 | 36 T -990 17CT3 | 1.48 | 1.33 | 1.18 |
|  | 12675 | 2.68 | 2.412 .14 | 36 T 1823 17CUS/17C5 | 1.35 | 1.22 | 1.08 |
|  | 12GW6 | USE | $120068 /$ | 36 T 18241704 | 1.85 | 1.67 | 1.48 |
|  |  |  | 126W6 | $\begin{array}{lll}36 \text { T1824 } \\ 36 \text { T } 1825 & 1704\end{array}$ | 1.85 | 1.65 | 1.46 |
| 36 <br> 6 <br> 6 17490 | 12 HE 7 | 2.23 3.40 | $\begin{array}{lll}2.01 & 1.76 \\ 3.06 & 2.72\end{array}$ | 36 T1826 170m4A | 1.70 | 1.53 | 1.36 |


|  |  | Net | Each | Asst. |
| :--- | :--- | :--- | :--- | :--- |
| STOCK NO. TUBE TYPE |  |  |  |  |
| 1.9 | 10.49 | 50 up |  |  | $\begin{array}{ll}36 \text { T } 1681 & 12 a \times 46 T 8 \\ 36 \text { T } 1682 & 12 a \times 7 / A /\end{array}$ | 36 T $1985 ~$ | $12 \mathrm{~A} \times 7 \mathrm{~F} / 7025$ | 1.40 | 1.26 |
| :--- | :--- | :--- | :--- |

 36 T 1705 128Y7A/

STOCK NO. TUBE TYPE $1.9 \quad 10-4950$ up | 36 T1827 $\begin{array}{l}17096 B / \\ 176 W 5\end{array}$ |
| :--- | :--- |



| 36 T 1842 | 1845 | 1.95 | 1.76 | 1.56 |
| :---: | :---: | :---: | :---: | :---: |
| 36 T 1991 | 18010 | 2.20 | 1.98 | 1.76 |
| 36 T 1843 | 18FW6A | 1.23 | 1.11 | 98 |
| 36 T 1844 | 18F26A | 1.48 | 1.33 | 1.18 |
| 36 T 1845 | 18FY6A | 1.48 | 1.33 | 1.18 |
| 36 T 1846 | 18CD6A | 1.48 | 1.33 | 1.18 |
| 36 T 1847 | 19AU4GTA | 2.00 | 1.80 | 1.60 |
| 36 T 1848 | 19 CEEA | 3.33 | 3.00 | 2.66 |
| 36 T 1992 | 19CG3 | 1.80 | 1.62 | 1.44 |
|  | 19CLAA | USE | 191. 8 / | claa |
| 36 T 1850 | 19EAS | 2.23 | 2.01 | 1.78 |
| 36 T 1851 | 19EZ | 2.25 | 2.03 | 1.80 |
| 36 T 1852 | 19G07 | 1.90 | 1.71 | 1.52 |
| 36 T 1853 | 19HR6 | 1.23 | 1.11 | 98 |
| 36 T 1854 | 19HS6 | 1.20 | 1.08 | . 96 |
| 36 T1855 | 19HV8 | 1.88 | 1.69 | 1.50 |
| 36 T1856 | 1916 | 1.05 | 1.67 | 1.48 |
| 36 T1857 | 19JM8/ |  |  |  |
|  | 19 CL 8 A | 1.60 | 1.44 | 1.28 |
| 36 T 1858 | 19KG8 | 1.55 | 1.40 | 1.24 |


| 36 T 1859 | 1978 | 2.45 | 2.21 | 1.96 |
| :---: | :---: | :---: | :---: | :---: |
| 36 T 1860 | 19X: | 2.05 | 1.85 | 1.64 |
| 36 T 186120 | 19/LYes | 1.63 | 1.47 | 1.30 |
| 36 T 1862 | $20 \mathrm{EL7}$ | 1.73 | 1.56 | 1.38 |
| 36 T 1863 | 21 cys | 2.33 | 2.10 | 1.86 |
| 36 T 1864 | 21HB5A | 2.38 | 2.14 | 1.30 |
| 36 T 1865 | 21JV6 | 2.33 | 2.10 | 1.88 |
| 36 T 1866 | 21126 | 2.43 | 2.19 | 1.94 |
| 36 T1867 | 21146 | 2.23 | 2.01 | 1.78 |
| 36 T1993 | 21LC6 | 3.83 | 3.45 | 3.06 |
| 36 T 1868 | 21LRS | 2.38 | 2.14 | 1.00 |
| 36 T 1869 | 211U8 | 2.38 | 2.14 | 1.90 |
| 36 T1870 | $228 \mathrm{H3A}$ | 1.55 | 1.40 | 1.24 |
| 36 T 1871 | 228 W 3 | 1.53 | 1.38 | 1.22 |
| 36 T 1872 | 22054 | 1.85 | 1.67 | 1.48 |
| 36 T 1873 | 22156 | 3.43 | 3.09 | 2.74 |
| 36 T 1874 | 22JG6A | 3.10 | 2.79 | 2.48 |
| 36 T 1994 | 221R6 | 3.10 | 2.79 | 2.48 |
| 11875 | 22.46 |  |  |  |


| 3611875 | 22506 | 3.18 | 2.86 |
| :---: | :---: | :---: | :---: |
| 36 T 1876 | 22MM6 | 4.10 | 3.69 |
| 36 T1877 | 2329 | 2.38 | 2.14 |

$36 T 1878$
36
$36 T 1880$

## 36 36

$36 T$
36 T 36
36
$36 T$
$36 T$

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RCA \& GE RECEIVING TUBES (Cont.)


## RECEIVING TUBES FOR IMPORTED SETS

A selected listing of hard to find types commonly used in many with the exception of burn-outs or broken glass. Average shipping available throug television sets. These lypes are not normally

| STOCK mo. | TUBE TYPE | $\begin{aligned} & \text { Net } \\ & 1.9 \end{aligned}$ | $\begin{array}{r} \text { Each } \\ 10-49 \end{array}$ | $\begin{aligned} & \text { Cisst. } \\ & 50 \text {. } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
| T 5001 | $10 \times 29$ | 1.50 | 1.35 | 1.20 |
| 3615002 | зднн13 | 3.60 | 3.24 | 2.88 |
| 3675003 | 3 MPP 26 | 2.18 | 1.96 | 1.74 |
| 3615004 | 4 MP 12 | 2.18 | 1.96 | 1.74 |
| 3675005 | 4MP26 | 2.18 | 1.96 | 1.74 |
| 3615006 | 4Rhe\% | 1.88 | 1.69 | 1.50 |
| 3615007 | 5657 | 1.85 | 1.67 | 1.48 |
| 3675008 | 5 мНН 3 | 1.63 | 1.47 | 1.30 |
| 3675009 | 5 MK9 | 1.93 | 1.74 |  |
| 3675010 | 5RK16 | 2.60 | 2.34 | 2.08 |
| 3675011 | 60 HH 13 | 3.68 | 3.31 | 2.94 |
| 3675012 | $6 C 83 A$ | 2.05 | 1.85 | 1.64 |
| 3675013 | 6686 | 2.10 | 1.89 | 1.68 |
| 36 T 5014 | Scki7 | 1.85 | 1.67 | 1.48 |
| 36 Y 5015 | 6657 | 1.80 | 1.69 | 1.50 |

## RCA-GE

The tubes shown in this listing will be supplled from brand new
factory boxed stock manufactured by RCA and GE. Type shown with
is Victoreen Mtc. Quantity users please contact oup Industriat STOCKNO. TUBE TYPE NETEA. STOCKNO. TUBE TYPE NETEA

| STOCKNO. | TUBETHE | E | STOCK NO. | TUBE TYPE | t |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 3614100 | 042 | 1.35 | 3614174 | GAUGWB | 2.70 |
| 36 T 4102 | $0{ }^{2} 3$ | 1.55 | 36 T4176 | 6DJ8/ECC88 | 1.90 |
| 36 T 4103 | 0146 | 1.90 | 3614181 | 6SJ7Y | 2.15 |
| 3674104 | 0 B 2 | 1.40 | 3874183 | 1246 | 3.36 |
| 36 T 4106 | $0 \mathrm{B3}$ | 2.35 | $36 T 4184$ | 12ar7w | 2.55 |
| 3674107 | 0 C 2 | 1.50 | 3674193 | 83 | 1.90 |
| 3614108 | 0 C 3 | 1.50 | 36 Y 4199 | 807 | 3.90 |
| 3674109 | 003 | 1.45 | 36 T 4200 | 8114 | 7.90 |
| 3674112 | 1885* | 10.55 | 36 ¢ 4201 | 812 a | 7.45 |
| 36 T 4113 | $1 \mathrm{C21}$ | 4.15 | 36 Y 4202 | 813 | 24.30 |
| 3614117 | 114 | 1.50 | 3614204 | 816 | 4.15 |
| 3674124 | $1 P 40$ | 5.15 | 3614212 | 8664 | 3.80 |
| 3674136 | 2021 | 1.30 | 3674213 | 868 | 6.85 |
| 3674139 | $2 \mathrm{E25}$ | 4.00 | 3674215 | 884 | 2.28 |
| 3574143 | 2×2A | 4.30 | $36 T 4221$ | 922 | 3.75 |
| 3674144 | 314 | 1.25 | 36 T 4223 | 925 | 5.45 |
| $36 T 4145$ | 345 | 2.03 | 36 T 4225 | 927 | 6.60 |
| 3674148 | $3 \mathrm{B28}$ | 8.15 | 36 T 4226 | 929 | 3.65 |
| 3674156 | 3KP1 | 28.60 | 3614227 |  | 5.40 |
| 36 T 4157 | 3RP1 | 18.30 | 36 T 4230 | 934 | 5.65 |
| 3674164 | 5BPIA | 38.85 | 3614232 | 955 | 7.05 |
| 3674166 | 5RACYE | 2.05 | 36 ¢ 4240 | 1612 | 5.80 |
| 3574167 | 5UP1 | 21.10 | 3674242 | 1614 | 4.95 |
| 3614169 | 6ACTY | 2.80 | 3674245 | 1620 | 7.55 |
| 3514170 | 6418 | 1.40 | 3674246 | 1521 | 3.85 |
| 3614172 | 6A56 | 3.45 | 36 T 4249 | 1625 | 5.80 |
| 36 T 4173 | 6as7ca | 4.95 | 36 T 4250 | 1629 | 2.05 |

## SILICON TUBE REPLACEMENT

- No Wasted Filament Power
- Instant Warm-up

Direct Plug.in silicon replacement for 5U4G. SU4. $5 Y^{3}, 5 V_{4}, 5 A U 4,5 A W 4,5 A 14,514$. 5 W 4 , and 524 . With built-in surge limiting resistor. Insiant warm: yp. Long life. Shpg. wt., 8 oz. 19 12908 $\qquad$ Net 4.95

| STOCK NO. | TUBE TYPE | $\begin{aligned} & \text { Met } \\ & \text { 1.9 } \end{aligned}$ | $\begin{gathered} \text { Each } \\ 10-49 \end{gathered}$ | $\begin{aligned} & \text { Asst. } \\ & 50-U P \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
| 3615016 | $6 \mathrm{JY8}$ | 3.68 | 3.31 | 2.94 |
| 3675017 | 6MHH3 | 1.45 | 1.31 | 1.16 |
| 3615018 | 6 RHH2 | 2.08 | 1.87 | 1.66 |
| 3675019 | 6RK19 | 2.43 | 2.19 | 1.94 |
| 36 T 5020 | 6RP15 | 2.35 | 2.12 | 1.88 |
| 3615021 | 6RP22 | 5.35 | 4.81 | 4.23 |
| 3615022 | 7657 | 2.35 | 2.12 | 1.88 |
| 36 T 5023 | 7 MP 18 | 2.68 | 2.41 | 2.14 |
| 36 Y 5024 | 888 | 2.93 | 2.64 | 2.34 |
| 36 Y 5025 | 8 KRB | 3.35 | 3.02 | 2.68 |
| 36 T5026 | $9 \mathrm{MHH3}$ | 2.08 | 1.97 | 1.66 |
| 36 T 5027 | $9 \mathrm{MP12}$ | 2.18 | 1.96 | 1.74 |
| 36 T 5028 | 9Ra6 | 3.85 | 3.47 | 3.08 |
| 36 T 5029 | 9RALI | 2.00 | 1.80 | 1.60 |

## SPECIAL PURPOSE TUBES

| STOCK NO. | TUBE TYPE | Net | Each |
| :--- | :---: | :---: | :---: | :---: |
| EAsst. |  |  |  |

RCA-GE

Division (see pg. 5.) for quotation on quantities of five or more of any type required. Many types other than shown here are avallable.

| STOCK ND. | TUBE TVPE | Net Ea, |
| :---: | :---: | :---: |
| 3614252 | 2050A | 2.05 |
| 3674261 | 5581 | 5.30 |
| 3614267 | 5642 | 3.55 |
| 3614268 | 5651A | 1.78 |
| 3614270 | 5653 | 5.35 |
| 3674280 | 5685 | 3.40 |
| 3614282 | 5691 | 1.75 |
| 3614285 | 5696 | 1.95 |
| 36 T 4293 | 5726 | 1.55 |
| 3614295 | 5727 | 2.90 |
| 36 Y 4301 | 5751 | 2.55 |
| 36 T 4304 | 5763 | 2.45 |
| 3674306 | 5814 A | 2.35 |
| 36 T 4309 | 5823 | 1.75 |
| 36 ¢ 4319 | 5881 | 3.50 |
| 36 T 4326 | 5915 |  |
| 3674327 | 5963 | 1.40 |
| 3614329 | 5965 | 1.95 |
| 36 T 4332 | 6012 | 7.65 |
| 3614342 | 6080 | 5.35 |
| 3614344 | 6082 | 5.50 |
| 36 T 4350 | 6136 | 2.70 |
| 3614351 | $6146 A$ | 4.35 |
| 3674352 | 61468/8298A | 5.15 |
| 36 T 4359 | 5201 | 2.95 |
| 3674363 | 6211 | 2.15 |
| 36 T 4369 | 6360 | 4.95 |


| STOCK NO. | TUAE TYPE | Net E2 |
| :---: | :---: | :---: |
| 36 T 4370 | 6386 | 75 |
| 3614372 | 6417 | 3.35 |
| 3674380 | 6550 | 4.30 |
| 36 T 4386 | 6669/6A $5^{\text {a }}$ | 1.05 |
| 3614387 | 6677/6CL6 | 1.05 |
| 3674389 | 6679/12AT7 | 1.50 |
| 36 T 4390 | 6680/12Au7a | 1.25 |
| 36 Y 4391 | 6681/12Ax7A | 1.25 |
| 36 T 4394 | 68.3 | 4.25 |
| 3614395 | 6922/E88CC | 4.90 |
| 3674398 | 7054 | 1.55 |
| 36 T 4400 | 7056 | . 95 |
| 3614401 | 7059 | 1.50 |
| 36 T 4402 | 7060 | 1.75 |
| ${ }_{3614403}{ }_{7357}{ }^{7061}$ USE 6159 W/7357 |  |  |
|  |  |  |
| 3614409 | 7360 | 3.75 |
| 3614410 | 7551 | 3.40 |
| 3674412 | 7558 | 3.50 |
| 36 T 4415 | 7587 | 5.20 |
| 3614420 | 7905 | 3.85 |
| 36 Y 4421 | 7984 | 5.35 |
| 36 T $44318077 / 7054$$8298 A$USE $61468 / 8290 A$ |  |  |
|  |  |  |
| 36 T 4437 | 9005 | 8.05 |
| 36 T 4438 | 9006 | 2.70 |

## TWIN DIODE

## REPLACES GLASS TUBE 6AL5

## No Conversion Needed

No conversion-fits in same socket. No filament to burn out. Video circuits: more detail; Audio circults; better fidelity; Sync Circuits: Increased Locking. tong life. Shpg. wt., 4 oz . 19 1 5209


# LAFAYETTE Budget-Priced TV Picture Tubes 



YOUR OLD TUBE IS WORTH MONEY

If you return your old picture tube (dud) when you purchase a new one, we will credit you for its value as shown in the column headed "Dud Value." Duds mast be brought or shipped prepaid to us and must be intact, under vacuum and without scratches. 00 not bring in twes for which no value is shown.


# General Electric and RCA Picture Tubes 

 one-year guaranteeTumes falling in normal use within 1 year will be replaced. You pay onty transportation. All tubes are made of entirely now materials except the glass which may be re-used after test inspection and refurbishing to meet new Elass standards.

YOUR OLD TUBE IS WORTH MONEY
If you return your old picture tube (Dud) when you purchase a new one, we will credit you for its value as shown in the column headed "Dud value." Duts must be brought or shipped prepaid to us and must be in. tact, under vacuum and without scratehes. Do not bring in tubes for which no value is shown.

## AVERAGE SHIPPING WEIGHTS FOR PICTURE TUBES

Tube prefix Ave Shpg Wt Tube Prefix ave Shpg wn Tube Prefix Avg Shpe wn

| 5 | 5 lbs. | 12 | 17 lbs. | 20 | 30 lbs. |
| ---: | ---: | ---: | ---: | ---: | ---: |
| 7 | 7 lbs. | 14 | 14 lbs. | 21 | 35 lbs. |
| 8 | 8 lbs. | 16 | 22 lbs. | 23 | 40 lbs. |
| 9 | 10 lbs. | 17 | 24 lbs. | 24 | 44 lbs. |
| 10 | 14 lbs. | 19 | 26 lbs. | 27 | 45 lbs. |

NOTE: WE WILL FILL YOUR OROER WITH EITHER C.E. OR AN RCC TOBE DEPENDTNE UPON STOCK AVAILEBILITY.



## RCA \& GE COLOR PICTURE TUBES

Return your old picture tube and we will credit the amaunt shown in "Dud Value" against the net price. Symbol $\dagger$ indicates all new
parts and materials. *indicates may contain used parts, which prior to reuse have been carefully inspected insuring high quality.

| Stock No. | Tulue Type | Net <br> Each | bud Value | Stock No. | Tube Type | Wet <br> Esch | Oud Value | Stoct Mo. | Tube Type | Net Each | $\begin{aligned} & \text { Oud } \\ & \text { Velue } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 36 T 4035wx | 11SP22* | 76.35 | 5.00 | 36.40101 wx | 21AXP22A* | 90.00 | 10.00 | 3674016 Wx | 25AP22At | 155.00 | 25.00 |
| 36 T 4036 Wx | 15¢P22* | 127.93 | - | 36 T 401 tWX | 21CYP22A* | 83.35 | 10.00 | $36 \mathrm{~T} 4044 \mathrm{~W} x$ | 25AP22A* | 107.55 | 25.00 |
| 36 T 4026WX | 15LP22 $\dagger$ | 132.00 | 20.00 | 36 T 4014 Wx | 21FBP22At | 105.50 | 17.50 | 36 T $4025 W \mathrm{x}$ | 258P22A* | 07.40 | 25.00 |
| 36 T 4037Wx | 15NP22 | 129.00 | 20.00 | 36 T $4035 W \mathrm{X}$ | 21F8P22* | 70.95 | 17.50 |  | 25CP22- | 25AP22A |  |
| 36 T 4027wx | 19EXP22* | 101.65 | 25.00 | 36 T 401: WX | 21FJP22A $\dagger$ | 114.85 | 17.50 |  | 25 PP 22 | 258P22A |  |
| 36 T 4023WX | 19EYP22* | 104.15 | 25.00 | 36 T 404CWX | 21FJP22* | 80.35 | 17.50 |  | 25RP22-U | 258P22A |  |
|  | 19FMP22 | se 19EYP22 |  |  | 21FKP22 | 21FJP22 |  |  | 25SP22- | 25AP22A |  |
|  | 19FXP22 | e 19EYP22 |  | 36 T 402swx | 21GFP22 1 | 169.60 | 25.00 | 36 T 4033 WX | 25UP221 | 189.00 | 1.00 |
|  | 19GLP22 | e 19EYP22 |  |  | 21GUP22 | $21 F 8 P 22$ |  |  | 25 VP 22 | 25AP22A |  |
|  | 19GVP22 | e 19ExP22 |  |  | 21GVP22 - | 21FJP22 |  |  | 25WP22 | 25AP22A |  |
|  | 19GWP22 | se 19EYP22 |  | 36 T 403 W W | 22P1221 | 158.33 | 25.00 |  | 25XP22- | 25AP22A |  |
|  | 196XP22- | - 19EXP22 |  | 36 T 4047 Wx | 22JP22 | 131.66 | 25.00 |  | $25 Y P 22-U$ | $258 P 22 A$ |  |
|  | $1967 P 22$ | e 19EXP22 |  | $36 \mathrm{~T} 403^{\circ} \mathrm{Wx}$ | 23EGP22A | 186.30 | 25.00 |  | 252P22-U | 25AP22A |  |
|  | 1962P22- | e 19EYP22 |  | 36 T 404 TwWx | 23EGP22A* | 178.34 | 25.00 |  |  |  |  |
| 36 T 4038WX | 19HNP22* | 150.00 | 30.00 | 36 T 404 IWX | 25AP22* | 178.67 | 30.00 |  |  |  |  |

## insulated tube puller

Handy $8^{\prime \prime}$ long tube puller. Insulated handies and tips. Imported. Shpg. wt., 8 oz. 9978051

## TUBE PIN STRAIGHTENER

5 way tube pin straightener. For 8 and 10 compactren, 7 and 9 pin miniature, and nuvistors. Black moulded plastic $5 \mathrm{x} / \mathbf{4}^{\prime \prime \prime}$ long $x$ $114^{\prime \prime}$ wide.
13 T 3250 Shpg. wt., 3 oz.
Net ea. . 39

RCA RECEIVING TUBE MANUAL RC26
RCA RECEIVING TUBE MANUAL Contains complete technical data on all current tubes. features tube theory written for the layman, application information and a circuit section. Tuner, receiver, amplifier, intercom and other circuit diagrams, socket diagrams, tube dimension drawings, resistance-coupled amplifier data, etc. 656 pages. 10 T 4701 Shpg. wt., $11 / 2$ it.


## IEC <br> Mullard

High Fidelity Tubes

Premium quality tube's widely used by Hi-Fi equipment manufacturers. Tube types are directly interchangeable with equivalent types listed. Imported from England. Average shpg. wt. 8 oz

Matched Pairs (Types Ending in MP)
Consists of 2 of the type, measured and tested to be within close tolerance of each other to assure maximum balanced output. Average shipg. wt., 1 lb .

Stact No. 36 T 5382 3675383
3675384 36 T 5335 3675386 36 T 5347 36 T 5388 36 T 5389 $36 T 5390$ $36 T 5391$ 36 T 5392 3675393

## $36 T 5394$

 3675395 3675396 T 75397 $36 T 5399$ 675401 3675402 3675404 $36 T 5405$ 3675406| Tube Type | Equlv. Type | Net |
| :---: | :---: | :---: |
| DAF96 | 1AM5 | 1.30 |
| DF96 | 1 A14 | 1.62 |
| DK95 | 1486 | 1.71 |
| DM70 | 1 MJ | 1.20 |
| Exacso | GAKB | 1.68 |
| E891 | CALS | 95 |
| EBCal | 6807a | 2.01 |
| EBCS | SAV6 | . 8 |
| E8F\% | 6DCs | 1.53 |
| EC92 | 6184 | 1.23 |
| EC97 | GFrs | 1.38 |
| ECCes | 12AT7 | 1.43 |
| ECCO2 | $12 \mathrm{AU7}$ | 1.18 |
| ECC83 | 12 My | 1.25 |
| ECCA5 | SACS | 1.50 |
| ECCs | 6018 | 2.23 |
| ECFPO | 5818 | 1.35 |
| ECFE2 | $6 \mathrm{U8}$ | 1.55 |
| ECH81 | 6A8 | 1.40 |
| ECL80 | 6AB8 | 1.63 |
| ECL82 | $6 \mathrm{Bm8}$ | 1.45 |
| ECLE 6 | 66W8 | 1.53 |
| EFPO | $68 \times 6$ | 1.53 |
| EF85 | 687 | 1.53 |

## MULLARD MASTER 10M SERIES

This new series of selected individually lab-tested tubes features tube-to-tube uniformity, section-to-section uniformity to the most stringent specifications. Hum, noise, microphonics and distortion kept to absolute minimum life to the maximum. Gold-protected

| Stock No. | 10m Type | Net | Stock No. | 10M Type | Ne |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 3675365 | 6AB8/ECL80 | 2.75 | 36 T 5366 | 60×8/ECL84 | 2.85 |
| 3675364 | 6A8/ECH81 | 2.65 | 36 T 5372 | 6EH7/EF183 | 2.60 |
| 3675371 | 6AK5/EF95 | 3.25 | 3675373 | 6E17/EF184 | 2.60 |
| 3675347 | 6AK8/EABC80 | 2.80 | 36 Y 5353 |  | 2.40 |
| 36 T 5348 | 6AL5/EB91 | 1.95 | 36 T 5361 |  | 3.50 |
| 3675376 | 6A05A/EL90 | 2.45 | 3675327 | 6EU7 | 2.3 |
| 3675358 | 6A08/ECC88 | 2.40 | 3675354 | 6FY5/EC97 | 2.35 |
| 36 Y 5349 | 6AT6/EBC90 | 2.00 | 36 T 5329 | 6GK5 | 2.40 |
| 36 T 5370 | 6AU6A/EF94 | 2.05 | 36 T 5363 | 6HG8/ECF86 | 3.1 |
| 3675350 | GAV6/E8C91 | 1.95 | 36 T 5360 | 6J6A/ECC91 | 2.55 |
| 3675369 | 68A6/EF93* | 2.00 | 36 T 5333 | 618A | 2. |
| 3675374 | 6BE6/EK90 | 2.10 | 36 T 5380 | 8HG8/PCF86 | 2.65 |
| 3675362 | 6BL8/ECF80 | 3.05 | 36 T 5379 | 9A8/PCF80 | 3.25 |
| 3675375 | 6805A/EL84 | 2.15 | 3615355 | 12AT7/ECC81 | 2.55 |
| 36 T 5352 | 6C4/EC90 | 2.85 | 36 T 5356 | 12AU7A/ECC82 | 2.20 |
| 36 Y 5368 | 60A6/EF89 | 2.55 | 36 T 5378 | 12AV6/HBC91 | 1.95 |
| 36 †5351 | 60C8/EBF89 | 2.65 | 36 T 5357 | 12AXTA/ECC83 | 2.20 |
| 36 I 5359 | 6018/ECC88 | 3.10 | 3675342 | 120W7/7247 | 2.55 |
| 36 T 5377 | 60L5/EL95 | 2.55 | 3675381 | 15CW5/PL84 | 2.50 |

pins. Individual plastic foam cushion packing. Any tube failing to give 10,000 hours of effective performance within 2 years from purchase may be returned for no charge replacement, Avg. shpg. $w t ., 8 \mathrm{oz}$.

GOLD MONARCH CUSTOM TUBES
Hand crafted by General Electric Co., Ltd. of England to extremely close tolerances to insure complete performance to specifications. Production test report packed with each tube. Avg. shipg. wt., 8 oz , are matched pairs.

| Stack Mo. | Trpe | heplaces These Types | Net |
| :---: | :---: | :---: | :---: |
| 36 T5201 | GL.8739 | 12AT7, ECC81, 6060, 6201, 6679 | 2.90 |
| 3675202 | 6L. 8749 | 12AU7, ECC82, 5814, 6067. 6189, 6680 | 2.80 |
| 3675203 | CL-8759 | 12AX7, ECC83, 5751, 6057, 6681, 7025 | 3.00 |
| 3675204 | CL-0717 | 6ALS, EB91, 5726, 6058, 6097, 6633 | 4.50 |
| 3675205 | CL-K766 | 6L6, EL37, 5881, 5932, 1614, 7027 | 4.50 |



## DELUXE TUBE CADDY



Light, compact caddy capable of holding up to 143 tubes. One fold-out compartment has snap fastened cover, other has builtin separator. Extremely convenient caddy for carrying tools, wire, etc., as well as tubes. All wood construction, covered with plastic coated fabric. Size: $153 / 4 \times 12 \times 8^{\prime \prime}$. Shpg. wt., 7 lbs .

## 1271301w

Net 10.45


Holds up to 262 tubes. The three large compartments each has a divider built in. Tubes, tools and small parts can easily be kept separate. One of the toD compartments also has a masonite cover. All four bottom corners are metal reinforced, Covered in gray plastic coated fabric. Overall size: $201 / 2 \mathrm{Lx} 141 / 2 \mathrm{H} \times 8^{\prime \prime} \mathrm{W}$. Shpg. wt., $111 / 2 \mathrm{lbs}$. 12 T 5502w
only $14^{75}$

- Tripie finese commotnens


# Reת "TOP OF THE LINE" UNIVERSAL REPLACEMENT SEMICONDUCTORS 

## Stock Up On These Top Quality Semiconductors!

## REPLACE: More Than 7300 Transistors and Integrated Circuits! More Than 2300 Rectifiers!

For radio, TV, phonograph, lape recorder, Hifi. Top quality semiconductors intended for replacement of more than 7300 transistors and integrated circuits and more than 2300 selenium and silicon rectifiers used in line and battery operated portable radlos, phonographs, tape recorders, TV re.
ceivers, audio frequency ampllfiers, automobile radios, etc. SK serles have electrical characteristics comparable with, or superior to, devices they replace.
See "TOP-OF-THE-LINE" Solid-State Replace. ment Guide for Complete Replacement Selection!

## TRANSISTORS

SK3003 Germanium, pnp, alloy. Used in Audio Frequency Output, driver, and low. level amplifier stages (to 9 volts).
19 T 4313
SK3004 Germanium, pnp, alloy. Used in Audio Frequency output, driver, and low. level amplifier stages (to 15 volts).
19 T 4314
Net 1.15
SK3005 Germanium, pnp, alloy. Used in RF a mplifier, converter, and if amplifier stages of standard broadcast-band radios (to 12 volts).
19 T 4315
Net 1.35
Sk3006 Germanium, pnp, drift-field. Used in RF amplifier, If amplifier, and converter stages of FM and AM/FM recelvers. (Up to 108 MHz , up to 15 volts).
19 T 4316
Net 1.45
SK3007 Germanium pnp, drift-field. Used in RF amplifier, if ampllfier and converter stages in all-wave receivers (up to 30 MHz ; up to 15 volts).
19 T 4317
SK3008 Germanium, pnp, drift-field. Used in RF and IF Amplifier and Converter stages in standard broadcast-band auto radios, and in battery-operated radios (to 15 volts).
19 T 4318
sK3009 Germanlum, pnp, alloy. Used in audio. outpul stages of auto radios, high fidellity amplifier and communication equipment.
19 T 4319 Net 2.70
Sk3010 Germanium, non, alioy. Used in Class A voltage amplifier and oriver stages (up to 15 volts).
19 T 4320
Net 1.45
SK3011 Germanium, npn, alloy. Used In RF a mplifier, if amplifier, and converter stages of standard broadcast-band recelvers (up to 18 volts).
19 T 4321
Net 1.90
SK3012 Germanlum, pnp, alloy. Used in audio output stages of auto radios (up to 18 volts).
19 T 4322
Net 5.20
SK3013 Germanium, pnp, alloy. Consists of matched pair of \$k3009 transistors. Used in push-pull audio output stages of auto radios, Hi.Ft ampllfler and communications equipment. Power output approximately 12 watts from 14.5 volt supply.

19 T 4323
Net 5.40
SK3014 Germanium, pnp, drift-field. Used in audio output stages of auto radios, Hi-fi amplifier and communications equipment. Collector-to-Emitter voltage up to 50 volts.
19 T 4324
$\ldots$ Net 3.65
SK3015 Germanlum, pnp, drift-1ield. Matched pair of SK3014 transistors. For pushpull audio output stages of auto radios, Hi-fi amplifiers and communications equipment. Power output of approximately 15 watts from 16.5 volt supply.

19 T 4325
Net 7.30

Sk3018 Silicon, npn, planar. For use in RF. Amplifier, Mixer, Oscillator, and IF Amplifier stages of VHF-TV and FM Recelvers (up to 25 volts).

## 19 T 4328

Net 1.55
SK3019 Sillcon, npn, planar. For UHF osclllator stages.

Net 1.70
SK3020 Silicon, npn, planar, for low level driver, output audio frequency ampll. fier stages. Collector supply voltages -up to 25 volts.

## 19 T 4330

Net 1.35
SK3021 Silicon, npn, diffused. Audio frequency output stages in line operated radios, phonograplis, and TV receivers (DC supply voltages of 120 volts).

## 19 T 4331

Net 1.98
SK-3024 Silicon, npn, diffused. Npn complement of SK-3025 for driver stages of Hi.fi audio amplifiers and communications equipment. (DC supply voltages up to 80 volts.)

## 19 T 4303

Net 2.30
SK-3025 Silicon, pnp, planar. Pnp comple. ment of SK-3024 for driver stages of Mi-Fi audio amplifiers and communi. cations equipment. (DC supply voltages up to 80 volts.)

## 19 T 4304



SK-3026 Silicon, npn, planar. For class A and class B AF-power amplifiers in $\mathrm{Hi}-\mathrm{Fi}$ and communications equlpment. (Power output of 5 watts, class $A$; 15 watts, class B push-pull operation.)

## 19 T 4305

SK-3027 Silicon, npn, planar, For class B push-pull AF-amplifier stages in Hi . FI and communications equipment. (DC supply voltages up to 80 volts.)
19 T 4306
Nupply voltages up to 80 volts.
Net 3.65
SK. 3028 Matched pair of SK. 3026 Transistors. In class B push-pull service can provide approximately 15 watts output when operated from a DC supply of 40 volts.
19 T 4307
Net 4.15
SK-3029 Matched pair of SK-3027 Transis. tors. In class B push-pull service can provide approximately 40 watts output when operated from a DC supply of 80 volts.
19 T 4308
Net 7.30

## INTEGRATED CIRCUITS LINEAR TYPES

SK3022 Wide-Band Amplifier-Discriminator. Used in sound IF ampllfier stages of TV receivers. TO-5 style package with 10 leads.
19 T 4332 $\qquad$ Net 4.60

SK3023 Wide. Band Ampllfier-Olscriminator. Used in sound IF amplifier stages of IV receivers. TO-5 style pachage with | 10 receivers. Ta-5 style package with |
| :--- |
| 10 formed leads. |

RCA "TOP-OF-THE-LINE"
Solid State Replacement Guide

## Select the

 Semiconductor You Want!
## Only

$15^{\circ}$


Complete up-to-date listing of over 8600 types of transistors and integrated circuits and over 3200 types of rectifiers cross. referenced against RCA "TOD-Of-The-Line" SK series semiconductors. Includes practically all types used in entertainment elec. tronic equipment, including U.S.A. industrystandard Ela types, foreign types, etc. In. cludes dimensional outlines, terminal diagrams, and guide lines on use of SK transistors, silicon rectifiers, and integrated circuits.
10 T 4705 Shpg. wt., 40 oz . $\qquad$ Net .15

## SILICON RECTIFIERS

For color and black and white TV receivers, radio receivers, HI.Fi ampllfiers, phonographs, efc.

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| Horizontal Deflection Apm, 320V, 10A, 56 W 19 I 5432 | HEP. 581 RTL 4-Input Gate 19T 5445 |
| HEP- 244 (5), NPN, Power, Case 77. "Thermo. pad" $300 \mathrm{~V}, 50 \mathrm{ma}, 25 \mathrm{~W}$ | HEP-582, RTL Dual Buffer <br> 1975416 <br> Net ss |
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18 亡 1507
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## EXPERIMENTER'S

## MANUAL



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10\% RESISTORS - SELECT FROM CHART BELOW

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| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | MAY BE ASSORTED |  |  | ASST.-MIN. 100 PER VALUE |  |  |  |
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| 5213 | 1/2 | 1 ohm to 22 meg | . 12 | . 10 | . 06 | . 04 | . 04 | . 032 | . 03 |
| 52 T 4 | 1 | 2.7 ohms to 22 meg | . 18 | . 15 | . 09 | . 06 | . 055 | . 050 | . 045 |
| 52 T | 2 | 10 ohms to 22 meg | . 24 | . 20 | . 15 | . 11 | . 096 | . 088 | . 082 |

CHART OF AVAILABLE $\mathbf{1 0 \%}$ RESISTORS AND ORDERING CODE

| Ohms Code | Ohms Code | Ohms | Code | Ohms | Code | Ohms | Code | Ohms | Code | Megs Code |  |  |  |
| :--- | :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1.0 | 001 | 10 | 025 | 120 | 051 | 1500 | 077 | 18 K | 103 | 220 K | 129 | 2.2 | 153 |
| 1.2 | 003 | 12 | 027 | 150 | 053 | 1800 | 079 | 22 K | 105 | 270 K | 131 | 2.7 | 155 |
| 1.5 | 005 | 15 | 029 | 180 | 055 | 2200 | 081 | 27 K | 107 | 330 K | 133 | 3.3 | 157 |
| 1.8 | 007 | 18 | 031 | 220 | 057 | 2700 | 083 | 33 K | 109 | 390 K | 135 | 3.9 | 159 |
| 2.2 | 009 | 22 | 033 | 270 | 059 | 3300 | 085 | 39 K | 111 | 470 K | 137 | 4.7 | 161 |
| 2.7 | 011 | 27 | 035 | 330 | 061 | 3900 | 087 | 47 K | 113 | 560 K | 139 | 5.6 | 163 |
| 3.3 | 013 | 33 | 037 | 390 | 063 | 4700 | 089 | 56 K | 115 | 680 K | 141 | 6.8 | 165 |
| 3.9 | 015 | 39 | 039 | 470 | 065 | 5600 | 091 | 68 K | 117 | 820 K | 143 | 8.2 | 167 |
| 4.7 | 017 | 47 | 041 | 560 | 067 | 6800 | 093 | 82 K | 119 | Megs | code | 10 | 169 |
| 5.6 | 019 | 56 | 043 | 680 | 069 | 8200 | 095 | 100 K | 121 | 1.0 | 145 | 12 | 171 |
| 6.8 | 021 | 68 | 045 | 820 | 071 | 10 K | 097 | 120 K | 123 | 12 | 147 | 15 | 173 |
| 8.2 | 023 | 82 | 047 | 1000 | 073 | 12 K | 099 | 150 K | 125 | 1.5 | 149 | 18 | 175 |
|  |  | 100 | 049 | 1200 | 075 | 15 K | 101 | 180 K | 127 | 1.8 | 151 | 22 | 177 |

5\% RESISTORS - SELECT FROM CHART BELOW

| STOCK NO. | WATTS | RANGE SEE CHART BELOW | Not Each <br> MAY BE ASSORTEO |  |  | Net Each ASST.-MIN. 100 PER VALUE |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  | 1.4 | 5.49 | 50-Up | $\begin{aligned} & 100- \\ & 248 \end{aligned}$ | $\begin{aligned} & 250 . \\ & 459 \end{aligned}$ | $\begin{aligned} & 500-1 \\ & 598 \end{aligned}$ | 1M.Up |
| 52 T 6 | $1 / 8$ | 10 ohms to 22 meg | . 34 | .28 | . 22 | . 188 | . 173 | . 159 | . 149 |
| 52 T7 | $1 / 4$ | 2.7 ohms to 22 meg | . 26 | . 22 | . 14 | . 055 | . 091 | . 073 | . 062 |
| 5218 | $1 / 2$ | 1 ohm to 22 meg | . 24 | . 20 | . 12 | . 075 | .073 | .075 | . 056 |
| 52 I9 | 1 | 2.7 ohms to 22 meg | . 36 | . 30 | . 18 | . 125 | . 123 | . 11 | . 09 |
| 53 「1 | 2 | 10 ohms to 22 meg | . 48 | . 40 | . 24 | . 19 | . 185 | . 175 | . 16 |

## CHART OF AVAILABLE 5\% RESISTORS AND ORDERING CODE

| Ohms | Cede | Ohms | Code | Ohms | Code | Ohms | Code | Ohms | Code | Ohms | Code | Megs | Code |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1.0* | 001 | 11 | 026 | 120 | 051 | 1300 | 076 | 15K | 101 | 180K | 127 | 2.0 | 152 |
| 1.1* | 002 | 12 | 027 | 130 | 052 | 1500 | 077 | 16 K | 102 | 200K | 128 | 2.2 | 153 |
| 1.2* | 003 | 13 | 028 | 150 | 053 | 1600 | 078 | 18K | 103 | 220K | 129 | 2.4 | 154 |
| $1.3{ }^{\circ}$ | 004 | 15 | 029 | 160 | 054 | 1800 | 079 | 20K | 104 | 240K | 130 | 2.7 | 155 |
| 1.5 * | 005 | 16 | 030 | 180 | 055 | 2000 | 080 | 22K | 105 | 270K | 131 | 3.0 | 156 |
| 1.6 * | 006 | 18 | 031 | 200 | 056 | 2200 | 081 | 24K | 106 | 300K | 132 | 3.3 | 157 |
| 1.8* | 007 | 20 | 032 | 220 | 057 | 2400 | 082 | 27K | 107 | 330 K | 133 | 3.6 | 158 |
| 2.0 | 008 | 22 | 033 | 240 | 058 | 2700 | 083 | 30 K | 108 | 360K | 134 | 3.9 | 159 |
| $2.2 *$ | 009 | 24 | 034 | 270 | 059 | 3000 | 084 | 33K | 109 | 390K | 135 | 4.3 | 160 |
| 2.4* | 010 | 27 | 035 | 300 | 060 | 3300 | 085 | 36 K | 110 | 430K | 136 | 4.7 | 161 |
| 2.7 | 011 | 30 | 036 | 330 | 061 | 3600 | 086 | 39K | 111 | 470K | 137 | 5.1 | 162 |
| 3.0 | 012 | 33 | 037 | 360 | 062 | 3900 | 087 | 43K | 112 | 510K | 138 | 5.6 | 163 |
| 3.3 | 013 | 36 | 038 | 390 | 063 | 4300 | 088 | 47K | 113 | 560 K | 139 | 6.2 | 164 |
| 3.6 | 014 | 39 | 039 | 430 | 064 | 4700 | 089 | 51K | 114 | 620K | 140 | 6.8 | 165 |
| 3.9 | 015 | 43 | 040 | 470 | 065 | 5100 | 090 | 56K | 115 | 680K | 141 | 7.5 | 166 |
| 4.3 | 016 | 47 | 041 | 510 | 066 | 5600 | 091 | 62K | 116 | 750K | 142 | 8.2 | 167 |
| 4.7 | 017 | 51 | 042 | 560 | 067 | 6200 | 092 | 68K | 117 | 820K | 143 | 9.1 | 168 |
| 5.1 | 018 | 56 | 043 | 620 | 068 | 6800 | 093 | 75K | 118 | 910 K | 144 | 10 | 169 |
| 5.6 | 019 | 62 | 044 | 680 | 069 | 7500 | 094 | 82K | 119 | Megs | Code | 11 | 170 |
| 6.2 | 020 | 68 | 045 | 750 | 070 | 8200 | 095 | 91K | 120 | 1.0 | 145 | 12 | 171 |
| 6.8 | 021 | 75 | 046 | 820 | 071 | 9100 | 096 | 100K | 121 | 1.1 | 146 | 13 | 172 |
| 7.5 | 022 | 82 | 047 | 910 | 072 | 10K | 097 | 110K | 122 | 1.2 | 147 | 15 | 173 |
| 8.2 | 023 | 91 | 048 | 1000 | 073 | 11K | 098 | 120K | 123 | 1.3 | 148 | 16 | 174 |
| 9.1 | 024 | 100 | 049 | 1100 | 074 | 12K | 099 | 130K | 124 | 15 | 149 | 18 | 175 |
| 10 | 025 | 110 | 050 | 1200 | 075 | 13K | 100 | 150K | 125 | 1.6 | 150 | 20 | 176 |
| 10 |  |  |  |  |  |  |  | 160K | 126 | 1.8 | 151 | 22 | 177 |

KIT OF 100 ALLEN BRADLEY RESISTORS 1/2 WATT-10\%


Designed especially for the serviceman. Here is a selection of 100 resistors of the most popular values used in general service work. All brand-new $1 / 2$ watt $10 \%$, full lead length Allen Bradley resistors. Color coded. This is no random assortment. You get 3 each: 100, 470,2200 ohms; 4 each: $1 \mathrm{~K}, 4.7 \mathrm{~K}, 22 \mathrm{~K}, 27 \mathrm{~K}$, 33K, $47 \mathrm{~K}, .15 \mathrm{meg},-27 \mathrm{meg}, 2.2 \mathrm{meg} ; 5-$ 10K; 10 each: .1 meg, $.47 \mathrm{meg}, 1 \mathrm{meg}$, plus 20 other popular values. Comes complete with hinged, plastic box. Shpg. wt., 2 lbs. 32 T 9901
OHMITE OHM'S LAWCALCULATOR


Solves Ohm's Law problems with just one setting of the slide. Has parallel resistance computing scales. Covers range from 0.01 ohm to 100 megohms. Current scale in amp. eres and milliamperes. Handy pocket slize $9 \times 3^{\prime \prime}$. Shpg. wt., 2 or.
34 § 6302 $\qquad$ Net .25

A fine selection of 100 miniature $\mathbf{1 / 1 0}$.watt resistors. Especially useful where high resistance to heat, humidity and shock is important. Body size: $28^{-}$Long $x .08^{\prime \prime}$ Dia. Imported. Shpg. wt., 8 oz. 32 T 9903

Net 1.98

## 100 PIECES ONLY

A value packed assortment of carbon resis. tors. Kit of 100 resistors consists of $751 / 2$. watt and 251 -watt resistors. Wide range of resistance value in varied tolerances. All have the standard RMA color code and normal length axial leads. Shpg. wt., $1 / 2 \mathrm{lb}$. 32 T 6000

## 1 WATT KIT



Depend on Lafayette For Complete Stocks, Lowest Prices, Fastest Service


# Mallory Fixed Power Resistors 



25 to 200 Watt

TYPE HHJ- 8 WATT FIXED

| Stock No. | Ohms | $\begin{aligned} & \text { Net En. } \\ & 1.9 \quad 10.24 \end{aligned}$ |  | Stock No. | Ohms | $\begin{gathered} \mathrm{Ne} \\ 1.9 \end{gathered}$ | $\begin{aligned} & \text { Ea. } \\ & 10.24 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 T 5200 | 1 | . 48 | . 39 | 30 T 5229 | 700 | . 50 | . 43 |
| 30 T 5201 | 1.5 | . 48 | . 39 | 30 T 5230 | 750 | . 50 | . 43 |
| 30 T 5202 | 2 | . 46 | . 39 | 30 T5231 | 800 | . 50 | . 43 |
| 3015203 | 3 | . 46 | . 39 | 30 T 5232 | 900 | . 50 | . 43 |
| 30 T 5204 | 4 | . 46 | . 39 | 30 T 5233 | 1000 | . 50 | . 43 |
| 30 T 5205 | 5 | . 46 | . 39 | 30 T 5234 | 1100 | . 50 | . 43 |
| 30 T 5205 | 7.5 | . 48 | . 39 | 30 T 5235 | 1200 | . 50 | . 43 |
| 30 T 5207 | 10 | . 48 | . 39 | 30 T 5236 | 1250 | . 50 | . 43 |
| 30 T 5208 | 12 | . 46 | . 39 | 30 T 5237 | 1500 | . 50 | . 43 |
| 30 T5209 | 15 | 46 | . 39 | 30 T 5238 | 1750 | . 50 | . 43 |
| 30 T 5210 | 20 | . 44 | . 39 | 30 T 5239 | 2000 | . 50 | . 43 |
| 30 T 5211 | 25 | . 46 | . 39 | 30 T 5240 | 2250 | . 50 | . 43 |
| 30 T 5212 | 30 | . 46 | . 39 | 30 T 5241 | 2500 | . 50 | . 43 |
| 30 T 5213 | 35 | 48 | . 39 | 30 T 5242 | 3000 | . 50 | . 43 |
| 30 T 5214 | 40 | . 48 | . 39 | 30 T 5243 | 3500 | . 50 | . 43 |
| 30 T 5215 | 50 | . 46 | . 39 | 30 T 5244 | 4000 | . 50 | . 43 |
| 30 T 5218 | 75 | . 46 | . 39 | 30 T 5245 | 4500 | . 50 | . 43 |
| 30 T 5217 | 100 | . 46 | . 38 | 30 T 5246 | 5000 | . 50 | .43 |
| 30 T 5218 | 125 | . 46 | . 39 | 30 T5247 | 6000 | . 53 | . 45 |
| 30 T 5219 | 150 | . 46 | . 19 | 30 T5240 | 7000 | . 53 | . 45 |
| 30 T 5220 | 200 | . 46 | . 39 | 30 T5249 | 7500 | . 53 | . 45 |
| 30 T 5221 | 225 | . 46 | . 39 | 30 T 5250 | 8000 | . 53 | . 45 |
| 30 T 5222 | 250 | . 46 | . 39 | 30 T 5251 | 9000 | . 53 | . 45 |
| 30 T 5223 | 300 | . 46 | . 39 | 30 T 5252 | 10K | . 53 | . 45 |
| 30 T5224 | 350 | . 50 | . 43 | 30 T 5253 | 12.5K | . 57 | . 47 |
| 30 T 5225 | 400 | . 50 | . 43 | 30 T 5254 | 15K | . 57 | . 47 |
| 30 T 5226 | 450 | . 50 | . 43 | 30 T 5255 | 20K | . 61 | . 50 |
| 30 T5227 | 500 | . 50 | . 43 | 30 T 5256 | 25K | . 63 | . 52 |
| 30 T 5228 | 600 | . 50 | . 43 |  |  |  |  |


| Type | Watts | Ola. x L. | Shpe. Wh., 02. |
| :---: | :---: | :---: | :---: |
| HH) | 8 | \%o"x]" | 3 |
| 1H5 | 12 | $\mathrm{r}_{0} \times 13 / 4$ | 4 |
| 2 HJ | 20 | Ko"x2" | 5 |
| 2.5 HJ | 25 |  | 5 |
| 54! | 50 | 気" $\times 4$. | 6 |
| 7.54) | 75 | \%6" $\times 6$ " | 8 |
| 1013 | 100 | 3/4"261/2" | 10 |
| 20WJ | 200 | 12/3"x101/2" | 16 |

TYPE 2.5HJ-25 WATT FIXED

| Stock No. | Ohms | $\begin{gathered} \text { Net } \\ 1.5 \end{gathered}$ | $\begin{aligned} & \text { Ea. } \\ & 10-24 \end{aligned}$ | Steck No. | Ohms | $\begin{gathered} \mathrm{Ne} \\ \mathbf{1 . 9} \end{gathered}$ | $\frac{10.24}{10.24}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 3075368 | 2 | . 65 | . 55 | 30 T 5386 | 2000 | . 68 | . 58 |
| 30 T 5369 | 2 | . 65 | . 55 | 30 T5387 | 2500 | . 68 | . 58 |
| 30 T 5370 | 3 | . 65 | . 55 | 30 T 5388 | 3000 | . 78 | . 66 |
| 30 T 5371 | 5 | . 65 | . 55 | 30 T 5389 | 3500 | . 78 | . 66 |
| 30 T5372 | 7.5 | . 65 | . 55 | 30 T 5390 | 4000 | . 78 | . 66 |
| 30 T 5373 | 10 | . 65 | . 55 | 30 T 5391 | 5000 | . 78 | . 66 |
| 30 T 5374 | 15 | . 65 | . 55 | 30 T 5392 | 6000 | . 78 | . 66 |
| 30 T 5375 | 25 | . 65 | . 55 | 30 T 5393 | 7500 | . 78 | . 65 |
| 30 T 5376 | 50 | . 65 | . 55 | 30 T 5394 | 10K | . 78 | . 66 |
| 30 T 5377 | 75 | . 65 | . 55 | 30 T 5395 | 12.5K | . 81 | . 69 |
| 30 T 5378 | 100 | . 65 | . 55 | 30 T 5396 | 15K | . 81 | . 69 |
| 30 T 5379 | 150 | . 65 | . 55 | 30 T5397 | 20 K | . 81 | . 69 |
| 30 T 5380 | 200 | . 65 | . 55 | 30 T 5398 | 25K | . 11 | . 69 |
| 30 T 5381 | 250 | . 65 | . 55 | 30 T 5399 | 30 K | . 94 | . 0 |
| 30 T 5382 | 500 | . 55 | . 55 | 30 T 5400 | 40 K | . 94 | . 0 |
| 30 T 5383 | 750 | . 65 | . 55 | 30 T 5401 | 50K | 1.09 | .93 |
| 30 T 5384 | 1000 | . 65 | . 55 | 30 T 5402 | 75K | 1.28 | 1.09 |
| 30 T 5385 | 1500 | . 65 | . 55 | 30 T 5403 | 100K | 1.47 | 1.25 |

TYPE 5HJ-50 WATT FIXED

| 30 T 5404 | 10 | . 99 | . 84 | 30 T 5416 | 7500 | 1.11 | . 94 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 T 5405 | 25 | . 99 | . 84 | 30 T 5417 | 10K | 1.11 | . 94 |
| 30 T 5406 | 50 | . 99 | . 84 | 30 T 5418 | 12.5K | 1.21 | 1.03 |
| 30 T 5407 | 100 | . 99 | . 84 | 30 T 5419 | 15K | 1.21 | 1.03 |
| 30 T 540 \% | 250 | . 99 | . 84 | 30 T 5420 | 20K | 1.21 | 1.03 |
| 30 T 5409 | 500 | . 99 | . 84 | 30 T 5421 | 25K | 1.39 | 1.18 |
| 30 T 5410 | 750 | . 99 | . 84 | 30 T 5422 | 30K | 1.39 | 1.11 |
| 30 T 5411 | 1000 | . 99 | . 84 | 30 T 5423 | 40K | 1.39 | 1.11 |
| 30 T 5412 | 1500 | 1.02 | .87 | 30 T 5424 | 50K | 1.55 | 1.32 |
| 30 T 413 | 2000 | 1.02 | . 8 | 30 T 5425 | 75K | 1.77 | 1.50 |
| 30 T 5414 | 2500 | 1.02 | .87 | 30 T 5426 | 100K | 1.92 | 1.63 |
| 30 T 5415 | 5000 | 1.02 | . 17 |  |  |  |  |

TYPE 7.5HJ-75 WATT FIXED

| 30 T 5427 | 10 | 1.17 | . 99 | 30 T 5439 | 7500 | 1.30 | 1.11 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 T 5428 | 25 | 1.17 | . 99 | 30 T 5440 | 10K | 1.30 | 1.11 |
| 30 T 5429 | 50 | 1.17 | . 99 | 30 T 5441 | 12.5K | 1.40 | 1.19 |
| 30 T 5430 | 100 | 1.17 | . 99 | 30 T 5442 | 15K | 1.40 | 1.19 |
| 30 T 5431 | 250 | 1.17 | . 99 | 30 T 5443 | 20K | 1.40 | 1.15 |
| 30 T 5432 | 500 | 1.17 | . 99 | 30 T 444 | 25K | 1.57 | 1.33 |
| 30 T 5433 | 750 | 1.17 | . 99 | 30 T 5445 | 30K | 1.57 | 1.33 |
| 30 T 5434 | 1000 | 1.17 | . 99 | 30 T 5446 | 40K | 1.57 | 1.33 |
| $30 T 5435$ | 1500 | 1.22 | 1.04 | 30 T 5447 | 50K | 1.75 | 1.49 |
| 30 T 5436 | 2000 | 1.22 | 1.04 | 30 T 5448 | 75K | 1.99 | 1.69 |
| 30 T 5437 | 2500 | 1.22 | 1.04 | 30 T 5449 | 100K | 2.12 | 1.80 |
| 30 T5438 | 5000 | 1.22 | 1.04 |  |  |  |  |


| 30 T 5450 | 25 | 1.38 | 1.17 | 30 T 5461 | 5000 | 1.44 | 1.22 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 T 5451 | 50 | 1.38 | 1.17 | 30 T 5462 | 7500 | 1.56 | 1.33 |
| 30 T 5452 | 100 | 1.38 | 1.17 | 30 T 5463 | 10K | 1.56 | 1.33 |
| 30 T 5453 | 150 | 1.38 | 1.17 | 30 T 5464 | 15K | 1.69 | 1.44 |
| 30 T 5454 | 250 | 1.38 | 1.17 | 30 T 5465 | 20K | 1.69 | 1.44 |
| 30 T 5455 | 500 | 1.38 | 1.17 | $30 ¢ 5466$ | 25K | 1.92 | 1.63 |
| 30 T 5456 | 750 | 1.38 | 1.17 | 30 T 5467 | 30 K | 1.92 | 1.63 |
| 30 T 5457 | 1000 | 1.38 | 1.17 | 30 T 5468 | 40K | 1.92 | 1.63 |
| 30 T 5458 | 1500 | 1.44 | 1.22 | 30 T 5469 | 50K | 1.99 | 1.69 |
| $30 T 5459$ | 2000 | 1.44 | 1.22 | 30 T 5470 | 75K | 2.20 | 1.87 |
| 30 T 5460 | 2500 | 1.44 | 1.22 | 30 T5471 | 100K | 2.46 | 2.09 |

TYPE 20HJ-200 WATT FIXED

| 30 T 5472 | 25 | 2.21 | 1.88 | 30 T 5483 | 3000 | 2.28 | 1.94 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 T 5473 | 50 | 2.21 | 1.88 | 30 T5484 | 5000 | 2.28 | 1.94 |
| 30 T 5474 | 75 | 2.21 | 1.88 | 30 T 5485 | 7500 | 2.44 | 2.07 |
| 30 T 5475 | 100 | 2.21 | 1.88 | 30 T5486 | 10K | 2.44 | 2.07 |
| 30 T 5476 | 250 | 2.21 | 1.88 | 30 T 5487 | 20 K | 2.60 | 2.21 |
| 30 T 5477 | 500 | 2.21 | 1.88 | 30 T 5488 | 30K | 2.60 | 2.20 |
| 30 T 5478 | 750 | 2.21 | 1.88 | 30 T5489 | 40 K | 2.68 | 2.28 |
| 30 T 5479 | 1000 | 2.21 | 1.88 | 30 T 5490 | 50 K | 2.77 | 2.35 |
| 30 T 5480 | 1500 | 2.28 | 1.94 | 30 T 5491 | 75K | 2.93 | 2.49 |
| 30 T 5481 | 2000 | 2.28 | 1.94 | 30 T 5492 | 100K | 3.11 | 2.64 |
| 30 T 5482 | 2500 | 2.28 | 1.94 |  |  |  |  |
|  | EXTRA MOUNTING FEET |  |  |  |  |  |  |
| Stock No. | Type |  | For Use With |  |  |  | Net ea. |
| 30 T 4834 | 30 V |  | 8,10 |  |  |  | . 03 |
| 30 T 4835 | 31 V |  |  |  |  |  | . 08 |
| 30 T 4836 | 32 V |  | 20, 25, 50 \& 75 Watt |  |  |  | . 10 |
| 30 T 4837 | 33 V |  | 200 Watt |  |  |  | . 18 |

\title{

Mallory-IRC Resistors <br> <br> MALLORY VARIABLE <br> <br> MALLORY VARIABLE POWER RESISTORS <br> Same fine qually and construction as the fixed types, but with an exposed section of winding to provide tapping-off of resistance values from 0 to the max, value of the resistor. All with lug terminals, tolerance $\pm 10 \%$, each supplled with 2 mtg . feet and one adjustable clip. <br> \& SHIPPING WEIGHT CHART <br> | Type | Dia. XL | Shpe. wh., 02 | Type | Dia. XL | Shpg. wt., 0 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| IAV | Y, "x1\%/4" | 3 | 7.5AV | 56"x6" | 8 |
| 205 | \%."x2" | 5 | 10AV | 1/4"x61/2" | 12 |
| SAV |  | 6 | 20ay | 119"x1012" | 16 |

TYPE 1AV - 10 WATT VARIABLE

| Steck Me. | 0tmas | Hel | $10.24$ | Stech Me. | Omas | Wet 83. |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 T 4274 | 1 | 1.00 | S5 | 20 T4234 | 750 | 1.00 | 85 |
| 3054275 | 2 | 1.00 | 45 | 30 T 4295 | 800 | 1.00 | . 15 |
| 30 T 4278 | 3 | 1.00 | 85 | 3014256 | 1000 | 1.00 | 85 |
| 30 T 4271 | 5 | 1.00 | 85 | 30 T427 | 1250 | 1.06 | . 0 |
| 30 T 4278 | 7.5 | 1.00 | 85 | 30 T 424 | 1500 | 1.05 | . 20 |
| 30 「 4278 | 10 | 1.00 | 85 | 30 T4200 | 2000 | 1.06 | . 0 |
| 30 T4200 | 15 | 1.00 | 85 | 30 T 4100 | 2250 | 1.06 | . 20 |
| 30 T 4231 | 20 | 1.00 | 85 | 3 T 4301 | 2500 | 1.05 | . 90 |
| 30 T 4262 | 25 | 1.00 | . 85 | 2014302 | 3000 | 1.06 | . 20 |
| 30 T42*3 | 50 | 1.00 | 85 | 20 T4103 | 3500 | 1.05 | . 20 |
| 3014204 | 75 | 1.00 | 85 | 3014304 | 4000 | 1.06 | 0 |
| 30 T 4205 | 100 | 1.00 | . 85 | 30 T 4305 | 4500 | 1.06 | 0 |
| 30 T4206 | 150 | 1.00 | 85 | 30 T 4306 | 5000 | 1.06 |  |
| 30 T4237 | 200 | 1.00 | H5 | 10 T 4107 | 6000 | 1.14 | 97 |
| 30 T 4200 | 250 | 1.00 | . 85 | 30 T 4108 | 7000 | 1.14 | 97 |
| 30 T 4209 | 300 | 1.00 | St | 20 T 4388 | 7500 | 1.14 | . 7 |
| 30 T 4290 | 350 | 1.60 | 85 | 10T4310 | 8000 | 1.14 | . 97 |
| 30 T 4291 | 400 | 1.00 | - 0 | 10141811 | 8500 | 1.14 | . 9 |
| 30 T 4282 | 500 | 1.00 | . 85 | 30 T 4312 | 9000 | 1.14 | . 87 |
| 30 T 4233 | 600 | 1.00 | 15 | 30 T4313 | 10K | 1.14 | . 97 |


| 3054114 | 1 | 1.16 | . 9 | 50 T4930 | 1000 | 1.16 | 0 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 10 T 4315 | , | 1.16 | . 9 | 30 T 4311 | 1250 | 1.18 | 1.01 |
| 20 T4316 | 5 | 1.16 | 0 | 30 T 4312 | 1500 | 1.18 | 1.81 |
| 30 T 4317 | 10 | 1.16 | . 99 | 30 T 4133 | 2000 | 1.18 | 1.01 |
| 3014318 | 15 | 1.16 | . 98 | 30 T 4334 | 2500 | 1.19 | 1.81 |
| 30 T 419 | 25 | 1.16 | de | 30 T4335 | 3000 | 1.18 | 1.01 |
| 30 T 4320 | 50 | 1.18 | 9 | 30 T 4136 | 3500 | 1.19 | 1.81 |
| 30 T 4321 | 75 | 1.16 | 89 | 30 T 4337 | 4000 | 1.19 | 1.41 |
| 30 T 4322 | 100 | 1.16 | . 2 | 30 T4338 | 5000 | 1.15 | 1.81 |
| 30 T 4323 | 150 | 1.16 | . | 30 T4319 | 6000 | 1.2 | 1.04 |
| 3014324 | 200 | 1.16 | 2 | 30 T 4340 | 7500 | 1.2 | 1.09 |
| 3014325 | 250 | 1.16 | . 2 | 30 T 4341 | 10K | 1.2 | 1.08 |
| 30 T 4326 | 300 | 1.18 | 2 | 30 T 4342 | 12K | 1.32 | 1.12 |
| 30 T 4327 | 400 | 1.16 | . 0 | 20 T 4343 | 15K | 1.32 | 1.12 |
| 30 T 4320 | 500 | 1.16 | . | 30 T 4344 | 20K | 1.12 | 1.12 |
| 30 T4329 | 750 | 1.16 | . 3 | 30 T4345 | 25k | 1.45 | 1.24 |


| 2054345 | 1 | 1.51 | 1.20 | 3654551 | 1500 | 1.54 | 1.31 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 T 4347 | 2 | 1.51 | 1.20 | 20 T 4962 | 2000 | 1.54 | 1.31 |
| 30 T 4348 | 5 | 1.51 | 1.28 | 20 T 4363 | 2500 | 1.54 | 1.31 |
| 30 T 4348 | 10 | 1.51 | 1.28 | 30 T43c4 | 3000 | 1.50 | 1.21 |
| 30 T 4350 | 25 | 1.51 | 1.20 | 20 T 4305 | 4000 | 1.54 | 1.31 |
| 30 T 4351 | 50 | 1.51 | 1.20 | 30 T 4366 | 5000 | 1.54 | 1.11 |
| 30 \$ 4152 | 75 | 1.51 | 1.28 | 30 T4867 | 7500 | 1.62 | 1.30 |
| 30 T 4353 | 100 | 1.51 | 1.28 | 30 T 4368 | 10K | 1.62 | 1.34 |
| 30 T 4354 | 150 | 1.51 | 1.25 | 20 T 4368 | 15K | 1.72 | 1.46 |
| 30 T4355 | 200 | 1.51 | 1.23 | 30 T 4370 | 20K | 1.72 | 1.46 |
| 20 T 4156 | 250 | 1.51 | 1.20 | 10 T 4371 | 25K | 1.2 | 152 |
| 30 T 4357 | 400 | 1.51 | 1.28 | 10 T 4372 | 30K | 1.20 | 1.62 |
| 3014351 | 500 | 1.51 | 1.2 | 3014373 | 40 K | 1.0 | 1.62 |
| 30 T 4358 | 750 | 1.51 | 1.28 | 30 T 4374 | 50K | 1.80 | 1.69 |
| 30 T 4160 | 1000 | 1.51 | 1.28 |  |  |  |  |

## MALLORY TYPE MOL 5.WATT METAL OXIDE FILM RESISTORS

MOL resistors are low-cost, miniature, stable, axial-lead tepe with high reliability. Oxide film is bonded to a ceramic base, with precision spiral providing exact reslstance. Tolerance $\pm 10 \%$. Body size h $0^{\prime \prime}$ dia $\times 13 / 4^{\prime \prime}$, with $1122^{*}$ leads. Shpt. wt., 302.

| Wet ea. Wer ea. |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 T 4451 | 100 | 20 | . 14 | 3014490 | 3900 | 22 | . 15 |
| 2014462 | 120 | 20 | . 14 | 30 T 4481 | 4700 | 23 | . 16 |
| 3014463 | 150 | 20 | . 14 | 2014482 | 5600 | 23 | . 16 |
| 3014464 | 180 | 20 | . 14 | 10 T 4463 | 6800 | 23 | . 16 |
| 30 T 465 | 220 | . 20 | . 14 | 30 T 4484 | 8200 | . 26 | . 18 |
| 3014466 | 270 | 20 | . 14 | 1014485 | 10x | . 26 | . 18 |
| 30 T 4467 | 330 | 20 | . 14 | 30 T 4406 | 12K | .30 | 21 |
| 30 T 446 | 390 | . 20 | . 14 | 30 T 4487 | 15K | .30 | . 21 |
| 3014468 | 470 | 20 | . 14 | 10 T 4488 | 18K | . 0 | 21 |
| 3014470 | 560 | . 20 | . 14 | 3014489 | 22K | .50 | 21 |
| 20 T 471 | 680 | 20 | . 14 | 10 T44\% | 27K | . 22 | 22 |
| 3054472 | 820 | 211 | . 14 | 3014481 | 33K | . 32 | 23 |
| 10 T 4473 | 1000 | . 20 | . 14 | 30 T 4492 | 39K | . 32 | . 28 |
| 30 T4474 | 1200 | . 20 | . 14 | 30 T 4493 | 47K | 32 | . 23 |
| 3014475 | 1500 | 20 | . 14 | 30 It494 | 56K | 22 | . 23 |
| 3014475 | 1800 | -20 | . 14 | 30 T 4495 | 68K | 12 | . 22 |
| 30 T4477 | 2200 | 22 | . 15 | 2014486 | 82K | 12 | . 23 |
| 30 T4478 | 2700 | 22 | . 15 | 30 T4497 | 100K | 12 | . 23 |
| 30 T 4419 | 3000 | 22 | . 15 | 30 T4480 | 120K | 12 | . 23 |

TYPE 7.5AV - 75 WATT VARIABLE

| Steck Me. | Ohms | Net ea. |  | Steck Mo. | Ohms | $\begin{aligned} & \text { Met ea. } \\ & 1.2^{2} \quad 10-24 \end{aligned}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 3014375 | 5 | 1.69 | 1.4 | 30 T 4308 | 2000 | 1.74 | 1.4 |
| 10 T 4376 | 10 | 1.69 | 1.44 | 30 T 4390 | 2500 | 1.74 | 1.48 |
| 30 T 4377 | 25 | 1.65 | 1.44 | 30 T 4391 | 3000 | 1.74 | 1.40 |
| 30 T 4378 | 50 | 1.68 | 1.44 | 30 T4392 | 4000 | 1.74 | 1.48 |
| 30 T 4379 | 75 | 1.69 | 1.44 | 30 T 4393 | 5000 | 1.74 | 1.48 |
| 10 T 4380 | 100 | 1.69 | 1.44 | 30 T 4384 | 7500 | 1.81 | 1.54 |
| 30 T 4351 | 150 | 1.65 | 1.44 | 30 T 4385 | 10K | 181 | 1.54 |
| 314382 | 200 | 1.69 | 1.44 | 30 T 4358 | 15K | 1.92 | 1.63 |
| 10 T 4183 | 250 | 1.69 | 1.44 | 30 T 4197 | 20K | 1.92 | 1.63 |
| 30 T 4384 | 400 | 1.68 | 1.44 | 30 T 438 | 25K | 2.09 | 1.78 |
| 30 T 4305 | 500 | 1.69 | 1.44 | 30 T 435 | 30K | 2.09 | 1.78 |
| 10 T 4318 | 750 | 1.69 | 1.44 | 30 T 4400 | 40K | 2.09 | 1.76 |
| 30 T 4317 | 1000 | 1.68 | 1.4 | 30 T4401 | 50 K | 2.21 | 1.8 |
| 30 T 4383 | 1500 | 1.74 | 1.48 |  |  |  |  |

TYPE 10AV - 100 WATT VARIABLE

| $30 T 4402$ | 1 | 1.35 | 1.66 | 3014418 | 2000 | 2.01 | 1.71 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 10 T 4403 |  | 1.5 | 1.66 | 30 T 1419 | 2500 | 2.01 | 1.71 |
| 1014404 | 5 | 1.6 | 1.66 | 10 T4420 | 3000 | 2.01 | 1.71 |
| 3014405 | 10 | 1.95 | 1.66 | 1014421 | 4000 | 2.01 | 1.71 |
| 10 T 4406 | 25 | 1.05 | 1.06 | 30 T 4422 | 5000 | 2.01 | 1.71 |
| 3014407 | 50 | 1.85 | 1.66 | 30 T 4423 | 7500 | 2.13 | 181 |
| 30 T 4404 | 100 | 1.5 | 1.66 | 10 14424 | 10K | 2.13 | 1.81 |
| 30 T 4049 | 150 | 1.85 | 1.65 | 30 T 4425 | 15k | 2.25 | 1.82 |
| 10 T 4410 | 200 | 1.95 | 1.66 | 30 T 4426 | 20K | 2.26 | 1.22 |
| 3014411 | 250 | 1.95 | 1.66 | 30 T 4427 | 25 K | 2.48 | 2.12 |
| 30 T 4412 | 300 | 1.95 | 1.66 | 30 T 4424 | 30 K | 2.48 | 2.12 |
| 30 T4413 | 400 | 1.95 | 1.65 | 30 T 4423 | 35K | 2.45 | 2.12 |
| 30 T4414 | 500 | 1.95 | 1.65 | 30 T 4430 | 40K | 2.48 | 2.12 |
| 30 T 4415 | 750 | 1.55 | 1.66 | 10 T 4431 | 50K | 2.57 | 2.18 |
| 30 T 4416 | 1000 | 1.85 | 1.65 | 30 ¢ 4432 | 75K | 2.81 | 2.35 |
| 10 T4417 | 1500 | 2.01 | 1.71 | 30 T4430 | 100K | 3.01 | 2.56 |

TYPE 20AV - 200 WATT VARIABLE

| 3214434 | 1 | 3.19 | 2.71 | 30 I 4448 | 750 | 3.19 | 2.71 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 T 4435 | 2 | 1.18 | 2.71 | 3014449 | 1000 | 3.18 | 2.71 |
| 3014436 | 5 | 2.15 | 2.11 | 30 T 4450 | 1500 | 3.26 | 2.77 |
| 30 T 4337 | 10 | 3.19 | 2.71 | 20 T 4451 | 2000 | 126 | 2.71 |
| 30 T 4430 | 25 | 3.18 | 2.11 | 30 T 4452 | 2500 | 3.26 | 2.71 |
| 10 T 4439 | 50 | 1.19 | 2.71 | 3014453 | 5000 | 3.26 | 2.7 |
| 30 T 4440 | 75 | 1.19 | 2.71 | 10 T 4454 | 10K | 3.44 | 2.8 |
| 30 T 4441 | 100 | 2.19 | 2.71 | 30 T 4455 | 20K | 3.62 | 3.0 |
| 3014442 | 150 | 2.15 | 2.71 | 30 T 4456 | 25K | 3.81 | 1.2 |
| 3154443 | 200 | 3.18 | 2.71 | 20 T 4457 | 30K | 3.81 | 3.2 |
| 30 T 444 | 250 | 1.18 | 2.71 | 3 T T4456 | 50k | 3.51 | 2.3 |
| 30 T 4445 | 300 | 3.19 | 2.71 | 30 T4458 | 75K | 4.09 | 3.4 |
| 20 T 4446 | 400 | 3.18 | 2.71 | 30 T4450 | 100K | 4.19 | 1.6 |
| 20 T 4447 | 500 | 3.18 | 2.71 |  |  |  |  |

## EXTRA ADJUSTABLE CLIPS

| $30 T 4937$ | $1 V$ | 10 Watt | .05 |
| :--- | :--- | :---: | :---: |
| $30 T 4908$ | $3 V$ | 25,50 and 75 Watt | .16 |
| $30 T 4809$ | $4 V$ | 100 Watt | .18 |
| $30 T 4910$ | $6 V$ | 200 Watt | .21 |

IRC PW-10 POWER RESISTORS
10 Watt wire wound resistors with axlal leads. Rectangular ceramic body. $10 \%$ toler ance. Body size $17 \mathbf{" c}^{\prime \prime}$ Long $x \boldsymbol{H}^{\prime \prime}$ s 9 .

| Stack Me. | Ohms | Stuck Mim. | Otims | Stack Mo. | Ohms |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 3314500 | 1 | 33 T 4620 | 300 | 33 T 4639 | 3300 |
| 33 T 4501 | 2 | 33 T 4521 | 350 | 29 T 4640 | 3500 |
| 3154502 | 3 | 3314522 | 400 | 3314541 | 3900 |
| 33 T4603 | 4 | 1314623 | 500 | 33 T 4642 | 4000 |
| 33 I 4604 | 5 | 3154624 | 600 | 37 T 4643 | 4500 |
| 3314005 | 7.5 | 1314625 | 700 | 33 T 4644 | 5000 |
| 33 T 4605 | 10 | 33 T 4525 | 750 | 33 T 4645 | 6000 |
| 3154607 | 15 | 3314527 | 800 | 3314646 | 7000 |
| 31 T4608 | 20 | 33 T462t | 820 | 3314647 | 7500 |
| 23 T 4909 | 25 | 13 T 4629 | 900 | 31 T 4548 | 8000 |
| 3114510 | 30 | 33 T 4570 | 1000 | 31 T 4949 | 8200 |
| 33 T4511 | 40 | 3314631 | 1200 | 37 T 458 | 8500 |
| 33 T 4612 | 50 | 1314632 | 1250 | $31 T 4651$ | 9000 |
| 3514813 | 75 | 13 T4833 | 1500 | 33 T 4552 | 10K |
| 3314614 | 100 | 33 T4634 | 1750 | 33 T 4653 | 12K |
| 31 T4615 | 120 | 13 T 4635 | 2000 | 33 T 4654 | 12.5K |
| 3314616 | 125 | 33 T 4636 | 2250 | 13 I 4655 | 15K |
| 31 T4617 | 150 | 13 T4637 | 2500 | 31 ¢ 4656 | 20K |
| 3174618 | 200 | 33 T 4638 | 3000 | 33 T 4657 | 25K |
| 13 T4619 | 250 |  |  |  |  |

# Sockets, Connectors, Test Adapters 



## BEAUCHAINE CONNECTORS

Beauchaine Series 3300 plugs and sockets are reliable, versatile connectors for chassis or cable use. The cable type have scuff-resistant, insulated backshelis made of polypropylene plastic. (UL \& CSA Iisted). Supplied complete with cable clamps. The recessed types have black wrinkle paint

## ENCLOSED PLUG WITH CABLE CLAMP

 (FIG A)| Stock No. | Mfg. No. | No. of Contacts | $\begin{aligned} & \text { Net } \\ & 1-49 \end{aligned}$ | $\begin{array}{r} \text { Each } \\ 50.99 \end{array}$ |
| :---: | :---: | :---: | :---: | :---: |
| 3412001 | P-3302 CCT | 2 | . 48 | 40 |
| 34 T 2002 | P-3303 CCT | 3 | . 49 | . 41 |
| 3412003 | P-3304 CCT | 4 | . 50 | . 415 |
| 3412004 | P. 3306 CCT |  | . 55 | . 46 |
| 34 T 2005 | P. 3308 CCT | 8 | . 59 | . 495 |
| 34 T 2006 | P-3310 CCT | 10 | . 67 | . 555 |
| 34 T 2007 | P-3312 CCT | 12 | . 73 | . 61 |
| 34.12008 | P-3315 CCT | 15 | . 94 | 78 |
| 34 T 2009 | P. 3318 CCT | 18 | 1.10 | 91 |


| ANGLE BRACKET PLUGS (FIG. C) |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Stock No. | Mfg. No. | No. of Contacts | $\begin{aligned} & \text { Net } \\ & 1-49 \end{aligned}$ | $\begin{array}{r} \text { Each } \\ 50.99 \end{array}$ |
| 3412031 | P. $3302 \cdot \mathrm{AB}$ | 2 | . 21 | . 175 |
| 34 T 2032 | P-3303-AB | 3 | . 25 | . 205 |
| 34 T 2033 | P. $3304 . A B$ | 4 | . 25 | . 21 |
| 34 T 2034 | P-3306.AB | 6 | . 31 | . 255 |
| 34 T 2035 | P.3308-AB | 8 | . 37 | . 305 |
| 34 T 2036 | P. $3310-A B$ | 10 | . 41 | . 345 |
| 34 T 2037 | P. 3312 -AB | 12 | . 46 | . 385 |
| 34 T 2038 | P-3315-AB | 15 | . 63 | 525 |
| 34 T 2039 | P.3318-AB | 18 | . 78 | 65 |

## DEEP BRACKET PLUGS (FIG. E)

| Stock No. | Mig. No. | No. of Contacts | $\begin{aligned} & \text { Net } \\ & 1-49 \end{aligned}$ | $\begin{aligned} & \text { Each } \\ & 50.99 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
| 34 T 2061 | P.3302-D8 | 2 | 52 | 435 |
| 34 T 2062 | P-3303.DB | 3 | . 53 | 44 |
| 34 T 2063 | P-3304.DB |  | . 53 | . 445 |
| 34 T 2064 | P.3306-DB | 6 | . 60 | . 50 |
| 34 T 2065 | P.3308.DB | - | 65 | 54 |
| 34 T 2067 | P.3312-DB | 12 | . 78 | 65 |
| 34 T 2068 | P.3315-DB | 15 | . 93 | . 775 |
| 34 T 2069 | P.3318-DB | 18 | 1.15 | 955 |

## VECTOR CURRENT TEST ADAPTERS



Versatile VECTOR CURRENT TEST ADAPTERS make possible tube circuit current or voltage measurements without cutting leads or making computations. They have two spring test tab elements for each pin. These test tab elements break the circuit when a dual-sided probe is inserted in test position. Probes are gripped by the test tabs and need not be held in position. Current is read at the meter where the two test leads are connected. The same test adapters and probe also permit voltage and wave form readings on any pin position. meiely by connecting the. leads jointly in the meter. The adapters have mica-filled shell and keyways, and may be used in a horizontal or vertical position. Stock No. Mfg. No.
19 I 8344 T7MC
19 T 8345 T80C 7 Pin Miniature 2.53 $\begin{array}{llll}19 \text { I } 8346 & \text { T9NC } & 8 \text { Pin Octal } & 3.19 \\ & 9 \text { Pin Novar } & 2.70\end{array}$ 19 I 8347 T9RC 9 Pin Novar 3.65 19 T $8348 \quad$ T12C 12 Pin Compactron 3.85 Dual sided plug-in probe needed for above 19 T 8349
over plated steel shell. All hardware is electroplated. Female contacts are cadmium plated phosphor bronze. Male contacts are cadmium plated brass. Contacts rated voltage 750 V . RMS and a current capacity of 10 amp .

## ENCLOSED SOCKET WITH CLAMP (FIG B)

| Stock No. | Mfg. No. | No. of Contacts | $\begin{aligned} & \text { Het } \\ & 1-49 \end{aligned}$ | $\begin{array}{r} \text { Each } \\ 50.99 \end{array}$ |
| :---: | :---: | :---: | :---: | :---: |
| 34 T 2016 | S-3302-CCT | 2 | . 49 | . 405 |
| 3472017 | S-3303-CCT | 3 | . 50 | . 415 |
| 3412018 | S-3304-CCT | 4 | 50 | . 42 |
| 34 T 2019 | S-3306-CCT | 6 | . 57 | . 475 |
| 34 T 2020 | S-3308-CCT | 8 | . 67 | . 555 |
| 34 T 2021 | S-3310.CCT | 10 | . 74 | . 615 |
| 34 T 2022 | S.3312-CCT | 12 | . 85 | . 71 |
| 34 T 2023 | S.3315-CCT | 15 | 1.03 | . 86 |
| 34 T 2024 | S-3318-CCT | 18 | 1.20 | 1.00 |


| ANGLE BRACKET SOCKETS (FIG. D) |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Stock No. | Mig. No. | No. of Contacts | $\begin{aligned} & \text { Net } \\ & 1-49 \end{aligned}$ | $\begin{array}{r} \text { Each } \\ 50.99 \end{array}$ |
| 3412046 | S-3302-AB | 2 | 23 | . 19 |
| $34 T 2047$ | S-3303-AB | 3 | . 26 | . 215 |
| 34 T 2048 | S-3304-AB | 4 | . 26 | . 22 |
| 3412049 | S-3306 AB | 6 | . 33 | . 275 |
| 34 T 2050 | S.3308-AB | 8 | . 41 | . 345 |
| 34 T 2051 | S. $3310 \cdot \mathrm{AB}$ | 10 | . 49 | . 41 |
| 3412052 | S-3312-AB | 12 | . 57 | . 475 |
| 34 T 2053 | S-3315.AB | 15 | . 72 | . 60 |
| 34 T 2054 | S.3318-AB | 18 | . 87 | . 725 |

DEEP BRACKET SDCKETS (FIG. F)

| Stock No. | Mfg. No. | No. of Contacts | $\begin{aligned} & \text { Net } \\ & 1-49 \end{aligned}$ | $\begin{array}{r} \text { Each } \\ 50-99 \end{array}$ |
| :---: | :---: | :---: | :---: | :---: |
| 34 T 2076 | S-3302-DB | 2 | 55 | . 455 |
| 34 T 2077 | S-3303.D8 | 3 | . 56 | . 465 |
| 34 T 2078 | S-3304-D8 | 4 | . 56 | . 47 |
| 34 T 2079 | S.3306.D8 | 6 | . 64 | . 53 |
| 34 T 2080 | S-3308 D8 | 8 | . 71 | . 595 |
| 34 T 2082 | S-3312-DB | 12 | 90 | . 75 |
| 34 T 2083 | S-3315-DB | 15 | 1.04 | . 87 |
| 34 T 2084 | S-3318-08 | 18 | 1.24 | 1.035 |

## HORIZONTAL OUTPUT COLOR <br> 

For 6JE6, 6KM6. Test adapter with No, 3 Pin interrupted allows you to measure and adjust the cathode current of output tubes without removing chassis. Shpg. wt., 802. 33 T 5709

Net 3.75 For 6JS6, 6JM6, similar to unit above, but with number 2 pin interrupted. Wt. 802. 3375710

Net 3.95

## PICTURE TUBE TEST POINT ADAPTERS FOR COLOR

FOR COLOR TV (A) Test point adapter permits testing of $70^{\circ}$ color TV picture tubes in the circuit without removing tube or chassis from set. 33 T 8723 Wt. 9 oz. Net 4.17 Similar to above, but for $90^{\circ}$ color tubes. 33 T 8726 Shpg. w!., 802.

Net 5.85

## FOR BLACK AND WHITE <br> FOR BLACK \& WHITE TV (B) Test socket adapter for black and white CRT's. Ex. cept $110^{\circ}$. Permits in-circuit checks from readily accessible lugs. <br> B 33 T 8724 wt., 4 o2. Net 1.11 $110^{\circ}$ test adapter for 8 pin TV picture tubes. 33 T 5713 Net 2.55 $110^{\circ}$ test adapter for 7 pin TV picture tubes.

SET OF 10 TRANSISTOR SOCKETS


A set of ten universal transistor sockets at a low Lafayette price. Ideal for exper. Imenters, hobbyists and kit builders. For 3 -pin transistors in-line or 4 -pin types. Includes saddle mounts. Size: $3 / \times 1 / 4^{\prime \prime}$. 99 T 6251 Shpg. wt., 2 oz. Net $.98^{\circ}$

## TRANSISTOR SOCKETS



Miniature transistor sockets of low loss liner filled phenolic. Contacts are of Beryl. lium copper, gold flashed over silver plate. Fig. A-Flat saddle mount. Fig. B-Ring mount, ring not included. Fig. C-ior printed circuit. Pin patterns shown below allow, for versatile use of 3 or 4 lead transistors.


Rectangular mica filled transistor sockets. Contacts same specs. as above. Type $D$ are ring mount. (Ring not Included). Type E are for printed circuit use.

| Stock No. | Fig. Contacts | Net |  |
| :--- | :---: | :---: | :---: |
| 32 T 4224 | 0 | 3 | .10 |
| $32 T 4225$ | 0 | 4 | .11 |
| $32 T 4216$ | $E$ | 3 | .12 |
| $32 T 4217$ | $E$ | 4 | .12 |
| 32 T 4227 | Mounting | Ring for Fig. $D$ | .02 |

LOW LOSS TRANSISTOR SOCKETS Transistor sockets with mounting ears for top mounting. 33 T 87273 Pin .. Net . 54

## POMONA TEST ADAPTERS



Ideal for in-circuit checking of voltage, re. sistance, audio and video from above chassls. $\dagger$ for use in sockets having captive shields. Shpg. wt., 6 oz.

| Stock No. | Type | Pins | Description | Each |
| :---: | :---: | :---: | :---: | :---: |
| 33 T 5701 | TVS. 7 | 7 | Miniature | 1.65 |
| 33 T 5702 | TVS-8 | 8 | Octal | 1.75 |
| 33 T 5703 | TVS-9 | 9 | Miniature | 1.85 |
| 33 T 5707 | 1779 | 9 | Novar | 2.25 |
| 3315711 | 2497 | 9 | Magnoval | 2.75 |
| 33 T 5712 | 2610 | 10 | Decal | 2.55 |
| 33 T 5708 | 1710 | 10 | Miniature | 2.25 |
| 3315704 | TVS-12 | 12 | Compactron | 2.55 |
| 33 I 5705 | 1447 | $\dagger 7$ | Miniature | 1.85 |
| 33 T 5706 | 1449 | +9 | Miniature | 1.95 |

# Amphenol \& Eby Tube Sockets 

|  |  | AMPHENOL "MIP" SOCKETS |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Molded high dielectric black phenolic, with molded-in plate for $1 \frac{1}{2} 2^{\prime}$ mounting centers. T type is mica fillied. 1k" mounting hole except * $1 \mathrm{t} \mathrm{m}^{"} \mathrm{mtg}$. hole, $1 \mathrm{Km}^{"} \mathrm{mig}$. ctrs. \$1\%" mte. hole, $\$ 1 \%_{0}^{\prime \prime}$ mis. hole. $\uparrow$ toctal socket. Ave. shpg. wt., 5 oz |  |  |  |  |  |
| ck | Mty. Mo. | Prangs | $\begin{aligned} & 10 \\ & 49 \end{aligned}$ | $\begin{aligned} & 50 \\ & 249 \end{aligned}$ | $\begin{aligned} & 250 \\ & 450 \end{aligned}$ |
| 32 T 2041 | 77-MIP-4 | 4 | . 19 | . 16 | . 13 |
| 32 T 2042 | 77.MIP-5 | 5 | . 21 | . 17 | . 145 |
| 32 T 2043 | 77-MIP. 6 |  | . 23 | . 19 | . 159 |
| 32 T 2044 | 77-MIP.74 | 7 | . 23 | . 23 | . 194 |
| 3272045 | 77 MIP-7S | 75 | . 25 | . 21 | 5 |
| 3272046 | 77.MIP-8 | 8 | . 21 | . 10 | . 15 |
| 3212047 | 77-MIP-8T | 8 | . 25 | . 21 | . 178 |
| 32 T 2040 | $88.8{ }^{\text {8 }}$ | 8 | .23 | . 19 | . 158 |
| 32 T 2049 | $88-8 \times 1$ | 8 | . 33 | 27 | . 223 |
| 3212050 | 77-MIP-9 | 9 | . 25 | 21 | . 174 |
| 12 T 1805 | 77-M1P-11 | 11 | . 2 | 24 | . 20 |
| 32 T 2052 | 77-M1P. 12 | 12 | . 20 | 25 | 209 |
| 2252053 | 77-MIP-20 | 20 | 67 | 56 |  |

Type 77-mIPBFK. Octal Socket with live rubber grommets fit into mig. holes for vibration free operation. Mounts above or below chassis in $1 \mathrm{~K}_{0}^{\prime \prime}$ dia. holes on $11 / 2^{\prime \prime}$ centers. with hardware. Shpg wt., 5 oz.
32 T 1902 ..................t ea. . 41 Lots of 50 , ea, 34 Lots of 250, ea. 235

AMPHENOL OCTAL SAOOLE SOCKET


No. 168-015. Steel mounting plate molded in black bakelite. Uses $1^{\prime \prime}$ mounting hole with 1\%." centers.
22 r 2095 Met ea. 20 Lots 50 ea, 17 Lots 250 ea. 14 AMPHENOL RELAY SOCMETS


We. Sa-105 14 CONTACT (FIC. A) 14 silver plated phosphor bronze contacts with hot tinned tails for easy soldering. Mica-filled phenolic dielectric. Steel saddie, cadmium plated. $1.125^{\prime \prime}$ mounting centers. Mounting hole is $750^{\circ}$ dia. Shpe. wt. 6 oz. 32 T 2103 Lots of 50, ea........ . $30 \quad 250$, ea........ 310 OCTAL TVFE (FIG. B). Rugged, melamine sockets with high insulation barriers with long creepage paths. Rated 5 amp . 1250 V RMS. "Has 4 molded. In threaded inserts for tie points. 103.104 are top mounted, 203. 204 are bottom mounted. Shps. wt. 8 aw.

| Steck Mo. |  | Net Each |  | $\begin{aligned} & 100- \\ & 240 \\ & \hline \end{aligned}$ | $\begin{aligned} & 250 \\ & 499 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Mfy . Type | 1-24 | 23-9 |  |  |
| 32 T 1904 | 146-103 | 1.5 | 1.55 | 1.05 | 50 |
| 32 T 1931 | 146-104* | 1.91 | 1.59 | 1.34 | 1.15 |
| 32 T 1992 | 146-203 | 1.50 | 1.25 | 1.05 | . 9 |
| 32 T 1993 | 146-204* | 1.81 | 1.58 | 1.34 | 1.15 |

AMPHENDL "RS" SOCKETS
Removable steel adapter plate with retainer ring allows replacement of most socket types. For mounting ctrs from $11 / 2^{m}$ to $1 \% 0^{\mu}$. Molded hish dielectric black phenolic. Mounts in $1 \%_{0}^{\prime \prime}$ hole. $\uparrow$ lock. tal socket. Avg. shpg. wt., 502.

| Stoch Me. | Mre Na | Prents | $\begin{aligned} & 10 \\ & 49 \end{aligned}$ | $\begin{aligned} & 50- \\ & 249 \end{aligned}$ | $\begin{aligned} & 250 \\ & 480 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 32 T 2054 | 78-6S4 | 4 | . 26 | 22 | .183 |
| 32 T 2055 | 78-RS5 | 5 | 24 | 23 | 196 |
| 32 T 2056 | 78-RS6 | 6 | 30 | 25 | 21 |
| 3272057 | 78-RS7S | 75 | . 12 | 27 | 225 |
| 3272058 | 78 RS8 | 8 | 22 | 24 | 20 |
| 32 T 2059 | 78-Rs8L $\dagger$ | 8 | 40 | 13 | . 282 |
| 32 T 2050 | 78-RS9 | 9 | . 31 | 26 | . 218 |
| 22 T 2061 | 78.RSII | 11 | . 35 | 20 | . 24 |

NMPHEMOL MIM. 7 \& 5 PIN SOCKETS


Amphenal sockets for TV. FM, auto radios, etc. 147-series mounts on $\mathrm{Fk}^{\prime \prime}$ chassis hole with $7 / \mathrm{h}^{\prime \prime} \mathrm{mig}$. ctrs... $1 / \mathbf{c}^{\prime \prime}$ screw holes. 59. series mcunts in $34^{\prime \prime}$ hole with $11 / \mathbf{s}^{\prime \prime} \mathrm{mtg}$. ctrs.. $.095^{\circ}$ rivet holes. $125^{\circ}$ rivet hole. \& Black Bakelite. † Mics-filled bakelite. Avg., 50.
BOTTOM MOUNTINE TYPE-FIG. (N)
50.250. M. of 1.49249 49s Steck Me. Mf. Me. Cont Ea. Ea. Ea.

| $32 T 2072$ | $147-500 t$ | 7 | .31 | .26 | .218 |
| :--- | :--- | :--- | :--- | :--- | :--- |


| $12 T 2079$ | $147-505 t$ | 7 | .31 | .25 | 216 |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 12 | 2040 | $59-409 \ddagger$ | 9 | .35 | 24 | 245 |

$3272087 \quad 59.410 \dagger$ 9 . 35 . 20.258
TOP MOUNTING TYPE-FIG. (B)
Socket with tube shield base to fit shields ilsted below.

| 32 T 2012 | 147.905 | 7 | 35 | 22 | 242 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 12 T 2035 | 147-913 $\dagger$ | 7 | . 34 | 2 | . 241 |
| 32 T 2004 | 59-403t | 9 | . 51 | . 43 | . 353 |
| 32 T 2005 | 59.407† | 9 | . 41 | . 25 | 2 21 |
| 32 T 206 | 59-406 | 9 | - | . 84 | .213 |

## TUE SHIELDS FIG. (C)

For 7-Contact 8ases.

| 32 T 20s 7 | 5-401 | 1\%* | . 21 | . 11 | . 147 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 32 T 2ase | 5-402 | $13 /{ }^{\prime \prime}$ | 22 | . 11 | . 152 |
| For 9-Contact Bases. |  |  |  |  |  |
| 32 T 2039 | 5-405 | $11{ }^{\prime \prime}$ | 21 | . 18 | . 149 |
| 32 T 2000 | 5-408 | $1^{1} \mathrm{~K}_{4}$ 。" | 25 | 21 | .177 |
| 32 T 2031 | 5.409 | 24** | . 31 | 25 | . 215 |



For new work. Single hale mounting. 1K." dia. Firmly held by tempered steel retainer ring. $G$ and 11 prong sockets for Amphenol connectors. Molded high dielectric black phenolic. \$ mounts in standard $1^{\prime \prime} \mathrm{K}^{\text {os }}$ socket hole. Has miniature socket in center. - locktal sacket. Ave. shpg. wt., 5 oz .

| Steck Me. | Mfg. Ne. | Preags | $48$ | $\begin{aligned} & 50 \\ & 248 \end{aligned}$ | $258$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 32 T 2068 | 78.S4 | 4 | . 18 | . 15 | . 121 |
| 32 T 2069 | 78-55 | 5 | 2 | 17 | 143 |
| 32 T 2070 | 78.56 | 6 | 22 | 19 | . 156 |
| 32 T 2071 | 78-575 | 75 | 25 | 11 | . 172 |
| 3251072 | 78-S8 | 8 | . 21 | . 18 | . 147 |
| 3275073 | 78.S8. ${ }^{*}$ | 8 | . 22 | 27 | . 223 |
| 32 T 5074 | 78-S9 | 9 | . 24 | . 20 | . 185 |
| 32 T 2075 | 78-511 | 11 | . 28 | . 23 | .184 |
| 32 T 2076 | 78-A7Pt |  | . 47 | . 2 | . 827 |
| 32 T 2077 | 78.A9P† | 9 | . 15 | 1 | 242 |

## AMPHENOL HI VOLTAGE ANI TV SOCKETS


(a) Type se-an2. Low-loss bakelite ducdecal socket for C.R. tubes. 12 prongs spaced on $1.063^{\prime \prime}$ dia., ring. Has removable cap. Shpg. wt. 50 Oz

## 3212092

(b) AMPMEMOL 4-SSIIL. 11 contact steatite socket for cathode-ray tubes. Has $1 \mathrm{Ke} \mathrm{c}^{\prime \prime}$ pin circle. Mounts in 1 "8" chassis hole. Retainer ring supplied.
$12 T 2102$ Shpg. wt., 7 oz. (C) Type 146-101. Melamine, 8 contact actal hl-voltage socket for tubes such as 5U46. 6LeG. etc.
32 I 2034


Net .03

Net 1.59
MINIATURE TUEE SOCKET (A). General purpose phenolic socket. Rapid mount. Snap action contacts. 35 Te702 7 Pin
Ti $9703 ~$ Net. 15 Net. 18 Contacts snap into 33 T 87047 Pin

31 18706 octal
Net 12
MOLDED TYPE (C). All molded printed circuit socket. With mounting tabs for individual hole insertion.
3318767 Pin
Net .12
33 T 87179 Pin
Net . 15
TOP MOUNTING TYPE (B). Molded with tabs for top board mounting.
33147127 Pin
Net .15
23 T87139 Pin ..............................................Net. 17
33 T 8714 octal
Net .42
Avg. shpg. wt., 1 oz.

## TV PICTURE TUBE SOCKETS



MOLDED: New alf moided duo-decal socket for std. CRT's. Complete with back plate. contacts, hardware. Less leads.
10T2713 Shpg. wt., 6 or.
Net 24
Moloeo: Duo-decal TV socket with plastic cover, Pins 1, 2, 10, 11 and 12 wired. $18^{\circ}$ teads.
10 T 2714 Shpg. wt., 6 or. ............ Net . 50 Same as above wired for electrostatic and magnetic tubes.
10 T 2715 Shpe. wt., 802.
110* snuamia cat socaEt. Wired for easy replacement with 18 inch leads.
18 T 2716 Shpe. wt., 6 oz. ............ Net . $m$
$110^{\circ}$ mea cert socuet. Wired for easy re. placement, with 18 inch leads.
$1812717^{\circ}$ Shpe. wt. 6 oz.
Net 80
Color CRT socket, for $70^{\circ}$ color tubes, wired with $18^{\circ}$ leads.
10 T 2720
Net 8.15
Color CRT socket for $90^{\circ}$ color tubes will accept either RCA or Motorola tubes. Wired with $18^{\prime \prime}$ leads.
1812718
Net 8.15

# Robins and Amphenol Connectors <br> ROBINS® XLP AND XL CANNON AUDIO AND ELECTRONIC CONNECTORS 

Hecersia
Dependable rugged construction. Features push-action Latch-Lock for locking mated fittings together securely. Interchangeable and STRAIGHT CORD PLUGS \& SOCKETS


mates with Cannon XLR Connectors. Connectors have zine alloy shell,
phenolic insulator, and satin nickel finish. Approx. Shpg. wt. 5 oz .

| Stock No. | Mfr's. No. | Fig. | Contacts Type Mount |  |  | EACH |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 T 2917 | XL-3.13 | c | 3-Socket | Wall |  | 1.37 |
| 33 T2918 | XL-4-13 | C | 4-Socket | Wall |  | 1.87 |
| 33 T 2919 | XL-3-14 | D | 3-Pin | Wall |  | 1.07 |
| 33 T 2920 | XL-4-14 | D | 4-Pin | Wall |  | 1.50 |
| 33 T 2921 | $\mathrm{XL}-3.13 \mathrm{~N}$ | F | 3-Socket | Panel |  | 1.48 |
| 33 T 2922 | $\mathrm{XL}-3.14 \mathrm{~N}$ | F | 3-Pin | Panel |  | 1.48 |
| 33 T 2923 | XL-4-14N | F | 4 -Pin | Panel |  | 1.90 |
| 33 T2924 | XL-3-31 | H | 3.Socket | Wall |  | 1.48 |
| 33 T 2925 | XL-4.31 | H | 4.Socket | Wall |  | 2.05 |
| 33 T2926 | XL-3-32 | 6 | 3-Pin | Wall |  | 1.15 |
| 33 T 2927 | XL-4-32 | 6 | 4-Pin | Wall |  | 1.50 |
| 33 T 2928 | XL-3.35 | , | 3. Socket | Wall, si | gle gang | 3.30 |
| 33 T 2929 | XL-3-36 | , | 3-Pin | Wall, si | le gang | 3.30 |
| 33 T 2930 | XL-4-36 | , | 4-Pin | Wall, si | le gang | 4.22 |
| 33 T 2931 | XL-3-35-2G | M | 3-Socket | Wall, tw | gang | 6.60 |
| 33 T 2932 | XL-3-36-2G | M | 3-Pin | Wall, tw | gang | 6.60 |
| 33 T 2933 | XL -4-36-2G | M | 4-Pin | Wall, tw | gang | 8.44 |
| 33 T 2934 | XL-34-2G | M | $3 \& 4$ Pin | Wall, tw | gang | 4.80 |
| 33 T 2935 | XL.34.4G | M | 384 Pin | Wall, fo | r gang | 9.00 |

## AMPHENOL AC CONNECTORS

## AMPHENOL COAXIAL CONNECTORS


U.L. listed. Black phenolic. 61 series rated 110 V AC or DC, 160 series 125 V . - Mounting plates molded in; \#plates mount whth retaining ring; mounting plate types require $1 \%_{2}{ }^{\circ}$ holes and have $y_{2}{ }^{\prime \prime}$ slotted holes on $12 / 2$ to $17 / \mathrm{s}^{\prime \prime}$ centers except MIP type needs $1 \mathrm{Kis}_{\text {" }}$ hole and has "X2" holes on $11 / 2^{\prime \prime}$ ctrs. $\dagger=$ shielded types with $3 /{ }^{\circ \prime \prime}$ cable clamp. $\triangle=$ shielded types with Ki" I.D. grommet; 160 series have grounding lug for use if required. Below surface types need $1 K_{4}^{\prime \prime}$ hole and have $x_{2}^{\prime \prime}$ holes on $13 / 4^{\prime \prime}$ centers. Shog. wt., 3 oz.

UNIV. RECEPTACLES (FEMALE) 110 V

| Stock No. | Mfr. Type | Fit. | NET | EACH |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | 50 249 | $\begin{aligned} & 250 . \\ & 499 \end{aligned}$ |
| 32 T 2027 | 61-F1 | A | . 44 | . 37 | . 31 |
| 32 T 2028 | 61-MIP-61F* | A | . 40 | . 33 | . 277 |
| 32 T 2029 | 61-F10 | B | . 56 | . 47 | . 396 |
| GROUND | RECEPTACL | S | EM |  | 25 |


| Stock No. | Type | Fig. | 1-24 | $99$ | $\begin{array}{r} 100 . \\ 249 \\ \hline \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 32 T2030 | $160 \cdot 2$ \# | A | . 93 | . 78 | 54 |
| 32 T 2031 | $160-4$ | 8 | 1.08 | . 90 | 758 |
| 32 T 2032 | 160-81 | C | 1.06 | . 88 | . 74 |
| 32 T 2033 | 160-6 A | C | . 98 | . 82 | .68 |

STANDARD PLUGS (MALE) 110 V
NET EACH
 GROUND PLUGS (MALE) 125 V

| Stock No. | Mfr. Type | Fic. | WE | EACH |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 1-24 | 25- | $\begin{aligned} & 100 \\ & 249 \end{aligned}$ |
| 32 I 2036 | 160.3 | A | 1.10 | . 92 | . 772 |
| 32 T 2037 | $160 \cdot 5$ | B | 1.25 | 1.05 | . 88 |
| 32 T 2038 | $160.9 \dagger$ | C | 1.22 | 1.02 | . 853 |
| 32 T 2039 | 160.7A | C | 1.14 | . 95 | . 797 |

## STEEL SHELL ONLY (FIG. B)

Lowers "S" sockets, "CP" plugs and series 60. 61 connectors i\%t" below the surface. Needs $1 K_{1}{ }^{" 1}$ hole. Cadmium plated.

|  |  |  | NET EACH |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Stock | Mir. |  | 50. |  |  | $250-$ |
| No. | Type | Fig. | $1-49$ | 249 | 499 |  |
| $\mathbf{3 2 T 2 1 0 1}$ | $61-61$ | B | .14 | .12 | .101 |  |

Series 83 UHF coaxial connectors for all RF applicatlons. All connectors single contact except * are dual. Connectors mate by $5 / 8.24$ thrd. couplings. Avg. shpg. wt. 602.

| Stock No. | Mfr. No. Fig. | Military <br> Number |  | Description |  | 24 | Net E 25- 99 | Each 100 499 | $\begin{array}{r} 500- \\ 999 \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 T 1995 | 83-1AC | UG-646/V.M-359,49192 |  | Cap \& Chain |  | . 75 | 82 |  |  |
| 32 T 1996 | 83-1AP A |  |  | Adapter, Right A | Angle | 1.68 |  |  |  |
| 32 T 1997 | 83-1BC |  |  | Cap \& Chain Adapter, Bulkhead |  | 1.24 | 1.02 | . 85 | 4 |
| 32 T 1998 | 83-1F C | UG-363/U.PL-274,491049 |  |  |  | 2.36 | 1.94 | 1.63 | 40 |
| 32 T 1999 | 83.1H B | UG-106 U.M-360, 49193 |  | Hood |  | 2.33 |  | 1.6 |  |
| 32 T 2001 | 83-1HP B | UG-372/UPL-258,49191 |  | Hood Adapter St |  | . 43 | . 34 | . 29 | 25 |
| 32 T 2002 | 83-11 C |  |  | 1.15 | . 95 | . 79 | . 69 |
| 32 T 2003 | 83-1R D | S0-239,49194 |  |  |  | Receptacle |  | . 55 | . 46 | 38 | . 33 |
| 32 T 2004 | 83-1SP E | PL-259,49190 |  | Plug |  | . 59 | . 49 | . 41 | . 35 |
| 32 T 2005 | 83-1SPN E | PL-259A, 49195 |  | Plug (Mica-Filled Bake) |  | 1.02 | . 3 |  | 60 |
| 32 T 2006 | 83.17 |  |  | Adapter, Tee Receptacle* |  | 3.09 | 2.54 | 2.13 | 4 |
| 32 T 2007 | 83.2R |  |  | 4.29 |  | 2.95 |  |
| 32 T 2008 | 83.215P E | UG-358/UUG-104/U.PL-293 |  |  |  | Plug |  | 5.41 | 4.44 | 3.72 | 3.2 |
| 32 T 2009 | 83-22AP A |  |  | Adapter, Right Angle* |  | 2.29 | 1.88 | 1.58 | 1.36 |
| 32 T 2010 | 83-22F | PL-275 |  | Adapter, Strt. Bu |  | 3.47 | 2.84 | 2.39 |  |
| 32 T 2011 | 83-221 C | UG-105/U.PL-285 |  | Adapter. Straight* |  | 1.67 | 1.37 | 1.16 | . 99 |
| 32 T 2012 | 83-22R | UG-103/U.SO-264 |  | Receptacle* |  | 1.12 | . 93 | . 78 | . 67 |
| 32 T 2013 | 83-22SP E | UG-102U.PL-284 |  |  |  | 1.31 | 1.08 | . 91 | . 78 |
| 32 T 2014 | 83-22T F | UG-196/U |  | Adapter, Tee* |  | 3.30 | 2.71 | 2.28 |  |
| 32 T 2015 | 83.58 A | M-359A,49192A |  | Adapter, Right Angle |  | 1.71 | 1.39 | 1.18 | 1,01 |
| 32 T 2016 | 83.168 | UG.176/U |  | Adapter, Reducing |  | . 18 | . 15 | 12 |  |
| 32 T 2017 | 83-185 | UG-175/U |  | Adapter, Reducing |  | . 10 | . 15 | .12 | . 10 |
| 32 T 2018 | $83-750$ E | UG-111/U |  | Plug |  | . 90 | . 75 | . 62 | . 54 |
| 32 T 2019 | 83-756 E |  |  | Plug (Teflon) |  | 1.39 | 1.14 | . 96 | 83 |
| 32 T 2020 | 83.765 B | UG-177/U |  | Hood |  | . 33 | . 28 | . 23 | 20 |
| 32 T 2021 | 83.776 E | UG-203/U,49482 |  | Plug |  | 1.53 | 1.25 | 1.05 | . 90 |
| 32 T 2022 | 83.786 |  |  | Hood and Gang Nut |  | . 78 | . 63 | . 54 | .47 |
| 32 T 2023 | $83-798$ D |  |  | Receptacle |  | 1.22 | 1.00 | . 64 | 73 |
| 32 T 2024 | 83-821 | S0-239A |  | Plug* |  | 2.00 | 1.64 | 1.37 | 1.19 |
| 32 T 2025 | 83-822 | PL-259 |  | Plug (Teflon) |  | . 71 | . 58 | . 49 | 13 |
| $32 \text { T } 2040$ | 83-850 E | E |  | Solderless Plug |  | 2.632 .32 |  |  |  |
| $32 \text { T } 2026$ | 83.851 |  |  | Solderless Plug |  | 1.97 | 1.61 | 1.35 | . 1 |
| BNC SERIES. Compact "Quick-Connect-Dls. connect" single contact bayonet type lock. ing connectors. All are low voltage and weatherproof. *Rexolite inserts tTefion inserts. |  |  |  |  |  |  |  |  |  |
|  |  |  |  | Receptacie springs are made of beryllium copper. All other metallic parts are sllver plated brass. Shpg wt., 3 oz . |  |  |  |  |  |
| Stock No. Mig. No. Fig. Mil. No. Description |  |  |  | For RG Cable | 1-24 | 25.99100 |  |  |  |
| 32 T2118 3 | 31.003 | UG290/U | *Receptacle | $\begin{aligned} & 55 \mathrm{U}, 58 \mathrm{U} \\ & 55 \mathrm{U}, 58 \mathrm{U} \\ & 55 \mathrm{BU}, 58 \mathrm{CU}, 223 \\ & 59 \mathrm{U}, 62 \mathrm{U}, 71 \mathrm{U} \\ & \hline \end{aligned}$ | . 75 | . 62 | . 52 |  |  |
| 32 T 21193 | 31.203 A | UG290A ${ }^{\text {UG625 }}$ | $\dagger$ Receptacle |  | . 82 | . 68 | . 56 |  |  |
| 32 T 21205 | 5575 B |  | *Receptacle |  | . 69 | . 57 | . 48 |  |  |
| 32 T 21213 | 31-236 B | UG625 <br> UG625B/U | $\dagger$ Receptacle |  | . 75 | . 62 | . 52 |  |  |
| 32 T 21223 | 31-102 $\quad$ B |  | *Receptacle |  | 1.18 | . 97 | . 11 |  |  |
| 32 T 21233 | 31-221 B | UG657/U | $\dagger$ Receptacle |  | . 71 | . 58 | . 49 |  |  |
| 32 T 2124 | 31.002 C | UG88/U <br> UG88C/U <br> UG88E/U <br> UG260U | $\dagger$ Plug |  | . 67 | . 55. | . 46 |  |  |
| 32 T 21253 | 31-202 ${ }^{\text {c }}$ |  | $\dagger$ Plug |  | . 73 | . 60.5 | . 51 |  |  |
| 32 T 21263 | 31.3202 C |  | $\dagger$ Plug |  | . 90 | . 75. | . 62 |  |  |
| 32 T2127 3 | 31.012 C |  | *Plug |  | .71 | . 58. | . 49 |  |  |



SERIES 7S．PRESSURE TYPE－SINGLE CONTACT Potished chrome plated brass fittings with＂th＂－27 thread．

| Steck Ne． | Type | Fig． | Description | 1－24 25.99 |  | $\begin{array}{r} 100 \\ 249 \\ \hline \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 11906 | 75－MC1F | A | Cable plug | ． 64 | 53 | 47 |
| 32 T1907 | 75－MCIM | 8 | Cable jack Fits Abo | 46 | 38 | 32 |
| 32 T 1908 | 75－PC1M | C | Receptacle，open | 41 | ． 35 | 291 |
| 3211909 | 75－CL－PCIM | 0 | Receptacle，shorting | ． 61 | ． 56 | ． 412 |
| 32 T 1910 | 75－MC1F－A | E | $90^{\circ}$ cable jack | 1.31 | 1.09 | ． 917 |
| 32 T1911 | 75－MC1P | F | Phone plug Adapter | ． 52 | 43 | 364 |
| 32 T 1912 | 75.1 | A | Min．Straight cable plug | 40 | ． 34 | ． 282 |
| 32 T1913 | 75－2 | $B$ | Min．Cable jack Fits Above | ． 28 | 24 | ． 197 |
| 32 T 1914 | 75－3 | C | Min．Locknut receptacle | 50 | 42 | 149 |

SERIES 80．SINGLE ANO OOUBLE CONTACT TYPES For concentric lines，shielded mike cables，etc．Center contacts are pin and socket type．－Single．contact type．toouble．contact type． Av．shpg，wt．， $30 z$.

| Stock Ne． | Type | Fig． | Description | 1.24 | 5－99 | $\begin{aligned} & 100 \\ & 249 \\ & \hline \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32T1915 | －80F | G | Female ca | ． 65 | ． 54 | ． 454 |
| 32 T1916 | －80C | H | Female chassis receptacle | 54 | 45 | ． 375 |
| 32 I 1917 | －80M | ， | Male cable plug | ． 67 | ． 56 | ． 469 |
| 32 T 1918 | 480．MC2F | G | Female cable jack | ． 71 | ． 59 | ． 495 |
| 3211919 | ＋80－PC2F | H | Female chassis recep | ． 60 | ． 50 | 418 |
| 32 T1920 | \＄80．MC2M | 1 | Male cable plug | ． 69 | ． 57 | 482 |
| 32 I 1921 | －80．F1 | 1 | Female cable plug | ． 69 | ． 58 | ． 483 |
| 32 T 1922 | －80－M1 |  | Male cable jack | ． 62 | ． 52 | ． 438 |
| 32 「1923 | －80－C1 | H | Male receptacle | ． 55 | ． 46 | 387 |
| 32 I 1924 | ＋80－MC2F1 | 1 | Female cable plug | 75 | 63 | 526 |
| 32 T1925 | \＄80－MC2M1 | G | Male cable jack | ． 65 | 54 | 453 |
| 32 「1926 | 480－PC2M | H | Male receptacle | ． 57 | 48 | ． 40 |

75 －CCCl－Cap and chain，used for 75 and 80 series seals open chassis against dirt and dust．
32 「 1927
1－24 ea．
45 25．99 ea． 37
$7 \quad 100.249$ ea．
.314


SERIES 91．3．ANO 4－CONTACT TYPES
Polarized microphone connectors for portable equipment．Strain． refieving clamps． 3 －contact type． 44 －confact type．Shps．wt． 3 ozo


## ＂QWIK＂SERIES 91．3－ANO 4－CONTACT TYPES

New design．Simply pushed together；released by thumb pressure on lock button while pulling outward．Polarized contacts．Nickel plated shells．＂J－contact type．t4－contact type．Av．shpg．wt．， 3 oz．

| Steck No． | Type | Fig． | oescription | 1.24 | ．98 | $\begin{aligned} & 100- \\ & 249 \\ & \hline \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 T 1940 | －91－853 | M | Male cable plug | 1.73 | 1.45 | 1.216 |
| 32 T 1941 | － $91-854$ | N | Female cabie plug | 2.27 | 1.90 | 1.591 |
| 32 T 1942 | －91．855 |  | Mate chassis receptacle | 1.38 | 1.15 | 968 |
| 32 T 1943 | －91．856 | P | Female chassis receptacle | 3.14 | 2.63 | 2.205 |
| 32 T 1944 | ＋91－857 | M | Male cable plug | 1.82 | 1.52 | ． 276 |
| 32 T 1945 | ＋91．858 | N | Female cable plug | 2.52 | 2.11 | 1.767 |
| 32 Y 1946 | ＋91．859 | 0 | Male chassis receptacle | 1.49 | 1.24 | 1.044 |
| 32 Y 1947 | ＋91－860 | P | Female chassis receptacle | 3.37 | 2. | 2. |

$91-C C C 3$ Cap and chain．Used for the 91 series，seals open chassis units against dirt and dust．
32 T 1948 $1-24 \mathrm{ed}$

## MINIATURE PLUGS ANO SOCKETS



Usable with 91－MPM，91－MPF and 78－PCG miniature connectors．Supplied with push－on retainer rings．Need 5／a＂hole．Av．I Type is MICA filled．Shpg，wt．， 40 oz ．

| Stoch No． | Socket 7． | Cont． | 1－49 | 50－249 | $\begin{array}{r} 250 . \\ 999 \\ \hline \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 32 7 1963 | S3S | 3 | ． 12 | ． 10 | ． 085 |
| 32 I 1964 | S4S | 4 | ． 16 | ． 13 | ． 111 |
| 32 T1965 | \＄5S | 5 | ． 21 | ． 18 | ． 147 |
| 3211966 | \＄6S | 6 | ． 22 | ． 18 | ． 155 |
| 3211967 | 7 P | 7 | 29 | ． 25 | ． 206 |
| 32 T 1960 | 7PT | 7 | .30 | ． 25 | ． 212 |
| Plug 71．Cont． |  |  |  |  |  |
| 32 11969 | 3 S | 3 | .11 | ． 10 | ． 08 |
| 32 Y 1970 | 45 | 4 | ． 14 | ． 11 | ． 095 |
| 32 I 1971 | 5 S | 5 | ． 15 | ． 12 | ． 102 |
| 32 T 1972 | 6 S | 6 | .17 | ． 14 | ． 121 |

## LAFAYETTE MINIATURE MICROPHONE CONNECTORS <br> A

（A）Microphone plug for CB and Amateur uses．Precision engineered and sturdily constructed．Plug takes any 4 conductor（or 3 conductor with shield）colled cord or straight cable．Features threaded retaining ring for positive locking．Integral cable retaining clamp efiminates shorts and open connections due to cable strain．Polarizing keyway insures easy，properly orientated fit．May be used for any low voltage plug－in circuitry applications．Imported．Sizest $1 \mathrm{~V} / \mathrm{L}$ $x^{2 / 2 " D i a}$ Shpg，wt．， 801.
9916263 $\qquad$ equipment chassis or panel and mates with 99 I 6263 plug（shown above）．Size： $3 / 4 \times 10$ Dia．Requires＂mounting hole．Imported． Shpr．wt． 802.
9916264


## CABLE CONNECTORS

Shielded cap and rubber grommet－end open－ ing．Consist of＂S＇＂type tube sockets and ＂CP＂plugs with hoods．Avg．shpg．wh． 6 oz.

| Stock Ho． | Female 78. | Cont． | 1.49 | 50.249 | $\begin{array}{r} 250 . \\ 499 \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 32 T 1973 | PF4 | 4 | ． 41 | 34 | 235 |
| 32 T 1974 | PF5 | 5 | ． 43 | 36 | ． 299 |
| 32 T1975 | PF6 | 6 | ． 45 | ． 37 | ． 312 |
| 32 Y 1976 | PF7S | 75 | 47 | ． 39 | ． 329 |
| 32 T 1977 | PF8 |  | 43 | ． 36 | ． 304 |
| 32 T 1978 | PF9 | 9 | ． 46 | ． 39 | ． 323 |
| 32 I 1979 | PFII | 11 | ． 50 | ． 42 | .350 |
| stock No． | Male 16. | Cont． | 1.49 | 50－249 | $\begin{array}{r} 250 \\ 499 \end{array}$ |
| 32 T1980 | PM4 | 4 | 45 | ． 38 | ． 315 |
| 32 T 1981 | PM5 | 5 | ． 45 | ． 38 | ． 318 |
| 32 「1982 | PM6 | 6 | 47 | ． 40 | ． 331 |
| 32 Y 1983 | PM7S | 75 | ． 57 | 48 | 403 |
| 32 T 1984 | PM8 | 8 | ． 47 | ． 40 | ． 333 |
| 32 T 1985 | PM9 | 9 | 46 | 40 | 339 |
| 32 「1986 | PM11 | 11 | 49 | 41 | ． 345 |
| 32 Y 1987 | PM12 | 12 | ． 50 | ． 42 | ． 149 |

AMPHENOL TYPE 79－CC4 Cable－clamp used with above connectors to relleve strain on soldered comections．

|  |  |  | Mft． |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Steck No． | Mo． | $1-24$ | $25-99$ | 249 |  |
| 32 T 1989 | $79-C C 4$ | .09 | .08 | .063 |  |

## POPULAR MIKE CONNECTORS

（ B ）


Standard single contact，cord mounted， nickel plated brass，knurl grips，＂／a＂－27 thread．Shpg．wt．， 3 oz．
32 \％ 6417 Female connector Fis．A Net .39 32 T 6418 Male connector fig． 8 Net 29

## 



MIMIATURE SHIELOED CONNECTORS
Molded bakelite cad．plated brass shells，for cables up to $1 / 40$ Diam．PCG series take $7 / \mathrm{m}^{\prime \prime}$ hole．Suffix＂$L$＂indicates long－ 1 Ks $_{6}{ }^{\prime \prime}$＂$S$＂ indicates short－ Yis．＂．Shpr．wt． 2 oz．

Fig．A－Male

| Stock Mo． | No. $11 .$ | Cont． | 1－24 | 25－99 | $\begin{aligned} & 100 \\ & 249 \\ & \hline \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 32 Y 1949 | MPM3L | 3 | ． 42 | ． 35 | ． 293 |
| 32 T 1950 | MPM3S | 3 | ． 37 | ． 31 | ． 263 |
| 32 T 1951 | MPM4L | 4 | ． 43 | ． 36 | ． 302 |
| 32 \1952 | MPM4S | 4 | ． 39 | ． 32 | ． 272 |
| 32 I 1953 | MPMSL | 5 | ． 44 | ． 37 | .31 |
| 32 T1954 | MPM6L | 6 | ． 47 | ． 39 | ． 327 |
| Fig． 8 Female |  |  |  |  |  |
| 32 T 1955 | MPF3L | 3 | ． 47 | ． 39 | ． 33 |
| 12 \1956 | MPF3S | 3 | ． 41 | ． 35 | ． 29 |
| 12 「1957 | MPF4L | 4 | ． 49 | .41 | ． 343 |
| 32 T 1958 | MPF4S | 4 | ． 46 | ． 38 | ． 12 |
| Fig．C．Chassis Connectors for Above |  |  |  |  |  |
|  | No． 78 |  | 1.49 | $\begin{aligned} & 50 \\ & 249 \end{aligned}$ | $\begin{aligned} & 250 \\ & 499 \end{aligned}$ |
| 32 T 1859 | PCG－3 |  | ． 31 | ． 26 | ．218 |
| 12 T1960 | PCG－ 4 | 4 | ． 35 | ． 29 | ． 242 |
| 32 T1961 | PCG 5 | 5 | ． 39 | ． 32 | 270 |
| 32 †1962 | PCG 6 |  | ． 40 | ． 31 | 277 |

## MIKE ACCESSORIES



325 Switchcraft．Microphone volume Control Adapter．Reduce or increase volume at the mike．For high impedance circuits using shietded single conductor cable only． 34 T 6007 Shpg．wt．， 8 oz．

Net 4.17 Amphenol mike Switch．Attach between male and female of 75 series connectors．Push－to－ talk with lock．Shpg．wt． 601. 3211994 Amphenol 75 －Mcis ．．．Net 1.89 ＂Y＂Connector．Has 2 males and 1 female． 33 I 8901 Shpg．wt．， 2 oz．．．．．．．．．．．Net .99

# LAFAYETTE Plugs — Jacks 

STANDARD LAFAYETTE 2 CONDUCTOR PHONE PLUGS


Phone plugs for a wide variety of applications with choice of hande sizes and materials. All sleeves fit standard $1 / 4$ " phone jacks. Avg. shog. wt. 802
FIG. A. SLIM PHONE PLUG Smooth bakelite handle. Solder terminals with cable clamp. Imported.
99 T 6221 $\qquad$ Net . 25 ea. -10 for 2.15 FIG. B BARREL PHONE PLUG Ribbed plastic barrel handle. Screw terminals. Imported. 99 † 6223 .......... 28 ea. - 10 for 2.38 FIG. C. SHIELD SLIM PLUG Ribbed chromed metal handle. Solder terminal with cable clamp. Imported.
99 T 6215
Net 39 ea. - 10 for 3.30
FIG. D. PHONE TO PHONO PLUG MDAPTER. Adapts from standard phone plug to RCA type phono plug. Overall length $21 / 2 x^{1 / 2}$ " diameter. imported. 99 T 6216 $\qquad$ Net . 39 ea. -10 for 3.25

## STANDARD LAFAYETTE PHONE JACKS FOR 1/4" PLUGS



FIG. E. OPEN CIRCUIT JACK Standard open circuit phone jack, $1 /{ }^{*}$ bushing. $1 / 2{ }^{\text {" }}$ long Complete with mounting hardware, Imported. 99 T 6213 ......... Net 23 ea. - 10 for 1.95 FIG. E. CLOSED CIRCUIT JACX Same as above but closed-circuit phone iack. Imported.
99 Y 6222 .......... 23 ea. -10 for 1.95 FIG. F. EXTENSION CABLE JACK Fit standard $1 / 4$ " phone plug. Screw terminals. Barrel plastic handle matches Barrel plug above. Imported Shpg. wt., 10 oz.
99 T 6214
Net .29 ea. -10 for 2.45
PHONO PLUGS AND JACKS

(A) Single Prong Shielded Plug - RCA type, used extensively for mike, phono, elc. wt., 402.

32 Y 6457
10 for .35 singly, ea. 04
(B) Phono Jack - Accepts RCA type phono plug. Mounts in rear of panel. (Shpg. wt., 402.

32 T 6458 … 10 for .50 singly, ea. . 06
(C) Finger grip plug - Phono plug with finger grip. Wt., 402.
32 T 7817 ....... 10 for .72 singly, ea. . 08
(D) Feed Thru - Accepts male phono plug at both ends. Shpg. wt., 402.
32 T 5201
Ea. 29

Ultra-compact type for use where space is limited. Bakelite body. $14 / 0^{* *}$ dia., $1 / 4^{-}$thick. 32 Y 1800 Shpg. wt., 4 oz ............. Net .53

PHONO PIN JACK SINGLE


RCA type female input jack. Mounts securely in single $1 / 4$ " hole by means of locknut on jack. Screws, nuts and washers unnecessary. Imported. Shpr. wt., $40 z$. 99 「 6234

10 for 1.70 Singly, ea. . 19

##  <br> ULTRA MINIATURE PLUG \& JACK

Plug is $15 / 16^{\prime \prime}$ overall. Jack mounts on panels up to $3 / 32^{\prime}$ thick. Requires $5 / 32^{\prime \prime} \mathrm{mtg}$. hole. Extends-11/32" be. hind panel. 3 circuit jack can be used open or closed. Shpg. wt., $1 \mathbf{o z}$. Imported. 99 T 6314

Net 30

## SUB-MINIATURE <br> PLUG ADAPTER

- Provides Exira Earphone Jack for Transistor Radios


A sub-miniature combination plug and jack designed for most transistor radios with earphone jacks. Just plug it in and you have 2 jacks for earphones, speakers, etc - can be used in most instruments provided with an earphone jack. Overall size: $21 / 4 x 11 / 16 \times 3 / 4 \cdots 0$. Shpg. wt., 6 oz. Imported.
99 T 6310
Net 69

## SUBMINIATURE PHONE



Sub-miniature "phone plug" and jack. Only 1" long $x 1 / 4$ " diameter, overall. Excelient for transistor and subminialure applications. Plug has removable sleeve. Jack can be mounted on panel up to $1 / 16$. thick. Jack can be used for both open ard closed circuits. Imported. 402. 99 I 6210 Plug ............................. 22 99 T 6211 Jack Net .18

## PHONE PLUG TO PHONO JACK ADAPTER <br>  $5-52^{4}$

Brass, nickel-plated adapter. Has standard phone jack on one end to take regular phone plug, and RCA-type phono plug on other end. Has threaded bushing with nut and washer so can be panel mounted if desired. Imported. Shpg. wt., 402.
99 T 6230
Net .52
HEAVY SHIELDED PHONE (A) PLUGS AND JACKS (B)

(A) Sturdy, heavy brass, nickel-plated phone plugs with screw terminal connections. Threaded insulated cable outlet may be removed for larger cables to pass through. Body dia. $1 / 4$ " overall length $31 / \mathrm{m}^{\mathrm{w}}$. Shog. wt., 4 oz. Imported.' 99 T 6229 Plug Net ea. . 5910 for 5.30 (B) Matching in line phone jack, same con. struction as plug. Overall length 2". Imported. 99 T 6228 Jack

## ALL SHIELDED PHONO PLUG AND JACK (A) $\because=A-1 \Rightarrow=1$ (B)

(A) Removable Shell for easy soldering of wires. Positive ground connection through unique ground lug reduces hum to a minimum. Extra long handie makes removal from amplifier a snap. Completely shielded in bright nickel plate on brass body and shell. Fits all RCA type jacks. $1 \mathrm{~K}_{\mathrm{t}}$ " lang. Imported. Shpg. Wt., 402.

## 99 T 6239

Net 22
(B) Extension Cable Jack for use with above or any other type phono plug. Imported. Shpg. wt., 402
99 T6240
Net 22

## 3 CONDUCTOR PHONE (A) PLUG \& JACK


(A) 3 Conductor Phone Plug-Black Bakelite Handle. Solder lugs. Open clrcuit $1 / 4$ shaft. Imported.
99 T 6119
Net .39
(B) 3 Conductor Phone Jack. Open Circuit. Imported
99 T 6118
Net . 39

## MINIATURE 3-CONDUCTOR PLUG AND JACK SET



A finely built 3-conductor plug and jack set. Uniquely made so that jack can be used as normally open althourh one circuit may be used as normally closed. Heavy gauge construction. Plug $17 / \theta^{\prime \prime}$ overall. Jack mounts in $y_{2} z^{\prime \prime}$ hole in panels up to $1 / \mathbf{z}^{\prime \prime}$ thick. Imported. Shpg. wt., 302.
99 T6328
Net .69
KIT OF 10 PHONO PLUGS


Kit contains 10 RCA.type phono plugs in assorted colors-Black. Red. Yellow. Blue, and White. Plastic shell with finger grip. Plugs are semi-solderless type-need only spot solder at tip. Fit standard RCA type phono jacks. Imported. Shog. wt., 2 oz. 99 † 6327


Set consists of two phono male plugs and a dual female socket. Diugs and a dual female socket.
Excellent for such dual signal applications as stereo equipment. Sturdy solder contacts are used through. out construction. Shpg. wt., 3 oz. 99 Y 6330

## Plugs - Jacks - Connectors


SWITCHCRAFT 3 CONDUCTOR FLAT PHONE PLUGS
$1 / 4^{"}$ flat phone plugs with removable plastic cap for easy connection of wire leads. Ideal for use where space is lim. ited. Tip rods are $1 \mathrm{~K}_{0}$ " long. All metallic parts are of nickel plated brass. All olugs have screw type terminals except \#238 which is solder type. Shpg. wt., 302.
Net Each

|  |  |  |  | Net Each |  |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Stack Ne. | Mfr. No. | Fig. | Color | $\mathbf{1 . 2 4}$ | $\mathbf{2 5 - 4 9}$ |
| $34 T 6039$ | 230 | A | Black | .93 | .85 |
| 34 T 640 | 5.230 | A | Black | 1.20 | 1.10 |
| 34 T 6041 | 235 | A | Red | .93 | .85 |
| 34 T 6042 | 238 | B | Metal | .99 | .91 |

## SWITCHCRAFT "LITTEL PLUGS" AND JACKS


"LITTEL-PLUGS" PHONE PLUES-Compact quality plugs. Fits stand. ard $1 / 4^{\prime \prime}$ phone jacks except " with 206 diam. sleeve and + with short sleeve for Revere recorders. In plastic handle or with brass nickel plated shells for shielding. Solder terminal has built-in cable clamp. Handle $1^{11 K_{0}}$ " long, $1 / 2^{\prime \prime}$ diam. Av, shpg. wt., 402

| Stock No. | Type | Ne. | Cond. | Handle | Terminals | Net |
| :--- | :--- | :--- | :---: | :--- | :---: | :---: |
| 34 T 6012 | 240 | A | 2 | Black | Screw | .51 |
| 34 T 6013 | 245 | A | 2 | Red | Screw | .51 |
| 34 T 6014 | 250 | A | 2 | Black | Solder | .48 |
| 34 T 6015 | S-250 | A | 2 | Black | Solder | .51 |
| 34 T 6016 | 255 | A | 2 | Red | Solder | .48 |
| 34 T 6017 | 260 | A | 3 | Black | Screw | .81 |
| 34 T 6018 | 267 | A | 3 | Black | Solder | .72 |
| 34 T 6019 | 280 | B | 2 | Metal | Solder | .69 |
| 34 T 6020 | $S-280$ | B | 2 | Metal | Solder | .69 |
| 34 T 6021 | R.280† | B | 2 | Metal | Solder | .90 |
| 34 T 6022 | 297 | B | 3 | Metal | Solder | .90 |

"LITTEL-JAX" PHONE IACKS (Fig. C) Accept standard $1 / 4$ " phono plugs, except " with $210^{\circ}$ J.D. sleeve and + mates with 480 Mil type "Littel-Plug." Abbrs.: SCC-single closed ckt; OC-open ckt. $14^{\prime \prime}$ dia., 14:" overall; $3 / 2^{\prime \prime}$ dia. threaded shank, $1 / 37^{\prime \prime}$ long. Av. shpg. wt., 3 oz.

| Stect No. | Type | Schematic Cond. | CKT. | Jan Type | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 34 T 6023 | 11 | 12 | OC |  | . 27 |
| 34 T 6024 | C-11 | 2 | OC | JJ. 034 | . 39 |
| 34 T 6025 | S-11* | 2 | OC |  | . 30 |
| 34 T 6026 | 12A | 112 | SCC |  | . 30 |
| 34 T 6027 | C.12A | 112 | SCC | J-089 | . 48 |
| 34 T 6028 | 128 | III 3 | OC |  | . 36 |
| 34 T 6029 | C. $12 \mathrm{~B} \dagger$ | III 3 | OC | JJ-033 | . 48 |
| 34 T 6030 | 138 | IV 3 | SCC |  | . 51 |

"TINI.PLUGS" SUBMINIATURE PHONE PLUGS. 2-conductor phone plugs for use with "Tini-Jax." Only 136" in length. In plastic or metal shielded handles. Shpg. wt., 202.

| Stock No. | Type | Fig. | Handle | Terminals | Net |
| :--- | :--- | :--- | :--- | :--- | ---: |
| 34T 6031 | 740 | A | Black | Screw | S1 |
| 34T 6032 | 745 | A | Red | Screw | .51 |
| 34 T 6033 | 750 | A | Black | Solder | .48 |
| 34 T 6034 | 755 | A | Red | Solder | .48 |
| 34 T 6035 | 770 | B | Metal | Screw | .69 |
| 34T 6036 | 780 | B | Metal | Solder | .66 |

"TINI-JAX" SUBMINIATURE PHONE JACKS (Fig. D) 2-conductor jacks for "Mini-Plugs." Only n/82" long. Abbrs.: OC-open Ckt.; CC-closed CKL. Av. shog wt., 202.

| Stoch No. | Type | Schematic | CKT. | Net |
| :--- | :--- | :---: | :---: | ---: |
| 34 T 6037 | 41 | 1 | OC | .27 |
| 34 T 6038 | 42 A | II | CC | .30 |

"TINI-EXTENSION JAX" (Fig. E) An extension or cable jack to mate with "Tini-Plugs". Two conduclor with metal housing for ruggedness and electrical shielding. Solder lug terminals. Shpg, wt., 3 oz.

| Stock No. | Type | Fig. | Cond. | Terminals | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 34 T 6045 | 125 | $E$ | 2 | Solder | .81 |

SWITCHCRAFT PLUGS AND JACKS


PJ-068

## PJ-055B



WIL TYPE PLUCS AND EXTENSION JACK
All meet industrial and military requirements. Plugs are made to MIL.P-642A Specs. The extension Jack type 820 meets MIL-J-641A specs. Best quality material and workmanship assure positive internal Interlock. Parts will not shift in dosition, Black plastic hande. Extension lack fits type 430 "Littel.Plug", All have screw terminals, Av, shpg. Wt., 502.

|  |  | Old |  |  |  | Net Exch |  |
| :--- | :---: | :---: | :---: | :---: | ---: | ---: | :---: |
| Stock No. | Type | Cond. | S.C. No. | Jan. Type | $1-24$ | $25-49$ |  |
| 34 T 6008 | 430 | 2 | PL-55 | PJ-054B | .90 | .83 |  |
| 34 T 6009 | 440 | 2 | PL.55 | PJ-055B | .90 | .83 |  |
| 34 T 6010 | 480 | 3 | PL-68 | PJ-068 | 2.16 | 1.98 |  |
| 34 T 6011 | 820 | 2 | JK-26 | JJ-026 | 1.20 | 1.10 |  |

SWITCHCRAFT "MICRO PLUGS AND JAX"
(A) A miniaturlzed 2 -conductor plug for use with cables of up to $7 / 64^{\prime \prime}$ O.D. Nylon insulation is used befween tip and sleeve. Shpg, wt., 202.
(B) Ultra-miniaturized jack is designed for above plugs. arfat A Features soider lugs and dositive tip spring grip.
34 T 6043 (A) Black handle (No. 850)
Net .45
34 T 6044 (A) Red handle (No. 855)
Net .45
34 T 6049 (A) Natural A1. handle (No. 880) Net .45
34 T 6050 (B) Jax (No. TR-2A) Shpg. wt. 202. Net .30

## SWITCHCRAFT "THICK PANEL JAX"

A long bushing allows mounting in panels of up to $11 / 4^{\prime \prime}$ in thickness with a 15/32" diameter hole. Features shielding and solder terminals. No. 151 is 2 -conductor and mates with 240, 245, 250, 255, 270, and 280 plugs. No. 1528 is 3 -conductor and mates with 260,267 , 269, and 297 plugs. Shpg. wt., 202.

| Stock No. | Oescription | Net |
| :--- | :--- | :--- |
| 34 T 6047 | Switcheraft No. 151 | .90 |
| 34 T 6048 | Switcheraft No. 1528 | .99 |

## SWITCHCRAFT STERED "LITTEL-JAX"

A three conductor jack specially designed for switching out speakers when connecting stereo headphones. Recommended for such stereo applications as record players and multiplex tuners. Dual, normally-closed switch contacts, open both stereo circuits independently when a three conductor plug is Inserted. Mounts In single $3 / 8^{\prime \prime}$ diameter hole. Shpg. wt. 302. 34 T 6046 $\qquad$ Switcheraft No. 14B $\qquad$ Net .63

## LaFAYETIE FLAT PHONE PLUG

Two conductor all metal phone plug for standard $1 / a^{\prime \prime}$ jack, body only Yas $_{2}{ }^{\prime \prime}$ thick. Shietding crimps to body, center lead to solder terminal. Imported. Shpg. wt.. 302. 99 T 6278

LAFAYETTE STEREO PHONE JACK
For insertion of standard three conductor plug. Will switch out speakers and allow operation of only headphones or extension speakers. Many uses. Imported. Shpg. wt, 402.

99 T 6273
EUROPEAN AUD 10 CONNECTORS
Made to European DIN engineering specs Fully shielded in plastic snap-on shells. will mate with sockets on Norelco, Grundig. Telefunkin, Uher, etc. Imported.
3 PIN AUDIO PLUG
34 T 3101 Shpg. wt., 202. 5 PIN AUDIO PLUG
34 T 3102 ShPR. wt., 202.
Net .66 3102 Shor. wt., 202 . ............ Net . 78


GENERAL CEMENT TEST PROD CONNECTORS
Moulded plastic with solderless "trig. ger Quick" clamps. Angle design for use with voltmeters, signal generators and other types of test equipment. Shpg. wt., 202.

|  |  |  | Net Each |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Stock No. | Mfr. No. | Color | 1.9 | $10-49$ | $50-99$ | $100-499$ |
| 13 T 6048 | 33.132 | Red | .45 | .43 | .41 | .39 |
| 13 T 6049 | 33.134 | Black | .45 | .43 | .41 | .39 |



## INSULATED PLUGS

Fig. A. Insulated Tip Plug. Heavy duty. Solder type. $1^{\prime \prime}$ handle. $21 / 8^{\prime \prime}$ overall. 32 T cact Red 32 T 6465 8 fach

Net Ea. . 15
Fig. E. Insulated Solderless Tip Plug. 1" handle, $2^{\prime \prime}$ length overall.
32 T 6456 Red 32 T6467 Blach

10 For 1.15
Fis. C. Insulated Short Tip Plug. Solder type.
$1^{\prime \prime}$ handie. $1^{1} \mathrm{~K}_{4}{ }^{\text {" }}$ overall length.
32 T 6460 Red $\quad$ Net Ea. 12 327 s46s Black

10 For 1.14
Fis. A. Insulated Banana Plug. Spring type. Internal set screw for soldering. $1^{\prime \prime}$ handle. $1 \mathrm{~K}^{"}$ length overall. Phosphorbronze.
328 c 47 Red
) Net Ea. . 23
Fie. E. Solderless insulated Banana Plug. Spring type. $1^{\prime \prime}$ hande. $111 \mathrm{~K}_{6}^{\prime \prime}$ overall
3276472 Red 32 T 6473 Black .............. 10 for 1.81 Fig. F. Solderless Insulated Banana Plue. Split type. $1^{\prime \prime}$ handle. $1 \mathrm{~K}^{\prime \prime}$ overall
32 T 6474 Red Net Ea. . 18 32 T 6475 Black

10 For 1.71
Fis. C. Insulated Banana Plug. Spring type. $L^{-\prime}$ handle. $13 / 4^{\prime \prime}$ overall. Solder type.
32 T 6476 Red $\ldots . . . . . . . . . . . . . . . . . . . . . . . ~ N e t ~ E a . ~$
32 TE477 Black 10 For 1.81
Fig. H. Moided Meter Banana Plug.
32 T 478 Red
Net Ea. . 36 32 T 6479 Black

10 For 3.42
Fis. J. Molded Meter Tip Plug.
32 T caso Red ............... Net Ea. 27 327 c4e1 Black ................ 10 For 2.57
Fig. A. Insulated Spade Lug. $\mathrm{H}^{\prime \prime}$ hanale. $156{ }^{\circ}$ length overall.
32 T 6482 Red
Net Ea. . 12

## LAFAYETTE JUMBO 5-WAY BINDING POST


accepts phone tip plug, a spade lug. a banana plug, an alligator clip and a strand of wire. Head non-removable from stand. Molded plastic construction. For panels Kon to $1 / 4^{\prime \prime}$ thick. Imported.
© T 6120 Black ….............Net . 25 5 T 5121 Red .....................Net. 25

## KIT OF 10 5-WAY BINDING POSTS

- For Banana Plug
- For Phone Tip Plug
- For Spade Lug
- For Alligator Clip
- For Strand of Wire

For panels $K_{0}{ }^{\prime \prime}$ to $1 / a^{\prime \prime}$ thick. Assortment of 10 pieces. 5 Red and 5 Black. Imported. Shpg. wt., 8 oz.
99 T 6238 Binding Post Kit
Net . 99

## METAL BINDING POST

Made of brass, heavily nickel plated overall. With screw and lock washer. Shpg. wt. 8 oz.
12 T 644
Net ea. . 24
10 For 2.2 50 for 10.80

## INSULATED JACKS

Fig. L. Phone Iip or Banana Plug. Mounts in Ki" hole.
3276484 Red 32 T G4es Black
) Net Ea. 117
Fig. M. 5-way Binding Post. Takes phone tips, banana plugs, spade lugs, alligator clip, wire. All insulated type.
32 T caire. All
32 T 6487 Black
Net Ea.
10 For 3.60
Fit. M. Nylon All Insulated Tip Jack. $\mathbf{1}^{\prime \prime}$ overall. Mounts in $3 /{ }^{\prime \prime}$ hole. 32 T 6488 Red 127 s4e9 Black
) N
Net Ea. . 18

Fic. P. Insulated Tip Jack. 14" overall length. Mounts in Ko" hole. 32 T64s0 Red

Net Ea, .14 2 F6491 Blach

10 For 1.13
Fig. a. Nylon insulated Tip Jack. With nyion washer. $1^{\prime \prime}$ overall length. Mounts in Ka" hole.
32 T6492 Red $\quad$ Net Ea. . 25 32 T 6493 Black

Y 10 For 2.30
Fig. R. Insulated Banana Jack. n/sa" overall length. Mounts in $\mathrm{K}_{\mathrm{s}}{ }^{\text {" }}$ hole. 32 T 6494 Red

Net Ea. . 14 32 T 6495 Black

10 For 1.33
Fig. S. Instrument Banana Jack, ${ }^{17 / 8 s^{\prime \prime}}$ overall length. Mounts in K ${ }^{\prime \prime}$ hole.
3276496 Red ................) Net Ea. 16 32 T 6497 Black ................. 10 For 1.42
Fis. T. Nylon Insulated Banana Jack. With nylon washer. Overall length $s$ \% ${ }^{\prime \prime}$. Mounts in Ko" hole.
32 İ'5498 Red
Net Ea. 2.24
10 For 2.28
32 T 4999 Black

## GENERAL RADIO TYPE 274MB INSULATED DOUBLE PLUG

Attractively designed. Moided Styrene double plug assembly for rapid and convenient connections in the laboratory. Jack top permits staching per multiple connections. Low capacitance. low losses, completely insulated for hand protection, polarity indication molded in. A cross hole in the center provides strain relief for attached cables up to 0.2" Dia. ShpR. wt.. 502.
32 T 2401
10 for 6.30 ......... Net .70

## TELEX MINIATURE

## PHONE PLUG AND JACK



Made to MIL specs. Threaded metal bodies mount in $1 / 4^{\prime \prime}$ holes. Handles 1000 V peak. Shpg. wt., $1 \frac{1}{4} 02$
(Fig. B) (Fir. A)
TURRET TERMINAL TYPE (Fig. A) TVPE 350 29175 has silverplated beryllium copper contact. s\%-" long

| Stack Ne. | Celer | $1-$ | 59 | 250. |
| :---: | :---: | :---: | :---: | :---: |
| 32 T2114 | Red | .25 | 24 | 485 |
| 32 T 2115 | Black | 35 | 24 | .244 |

SILVER TERNHINAL TYFE (Fig. B) TYPE $\mathbf{3 5 0}$ 29200 has silverplated phosphor brome contact. 1\%" long.

| Steck Ne. | Coler | $\begin{aligned} & T_{0} \\ & \hline \end{aligned}$ | $20$ | $\begin{array}{r} 250 . \\ 499 \\ \hline \end{array}$ |
| :---: | :---: | :---: | :---: | :---: |
| 32 T 2116 | Red | 41 | 34 | 25 |
| 32 T2117 | Black | 48 | 24 | 28 |

## NYLON BINDING. POSTS

Molded nylon head, nickel plated brass body. insulated binding posts, with hex nuts and washer. Stud takes solder connection. For $\mathrm{K}_{4}{ }^{\text {" }} \cdot \mathbf{1 / 4 "}$ panels. Specify Red of Black. Shpg. wt., 2 oz
32 T 6501 Red .......Net Es. . 35
12 T 6502 Black .. 10 For 1.23
minigator CLIP (a)
"Cad. plated steel. tsolid copper. Length 11/o". alligator jaws open Ks $_{6}^{*}$. 20 or smaller wire. Avg. shpg. wt., 4 oz. per 100.

| Stock No. | He. | Each | Lets 10 Each | Lets of 100 Each | $\begin{aligned} & 500 \text { up } \\ & \text { Each } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & 32 \text { T } 3500 \\ & 32 \text { T } 3538 \end{aligned}$ | $\begin{aligned} & 30^{*} \\ & 30 C \dagger \end{aligned}$ | $.07$ | $.05$ | $\begin{aligned} & .043 \\ & .053 \end{aligned}$ | $\begin{aligned} & .041 \\ & .05 \end{aligned}$ |

MICRO-GATOR CLIP (J)
Smallest made alligator clip for use on P.C. boards. tiny terminals, and other crowded spots. "Cad. plated steel. †Solid copper. \#20 or smaller wire. Avg. shpg. wt., 4 01. per 100.

| Stock No. | N. | 518 | Open | $\begin{aligned} & \text { Net } \\ & \text { Exch } \end{aligned}$ | $\begin{array}{\|c\|} \text { Lets } 10 \\ \text { Exch } \\ \hline \end{array}$ | $\begin{gathered} \text { Lets } 100 \\ \text { Exec } \end{gathered}$ | $\begin{aligned} & 500 \text { up } \\ & \text { Each } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 「3533 | 34* | 1\%/2" | 732 | . 06 | . 04 | . 038 | . 034 |
| 32 T 3534 | 34ct | 1\%80" | 3/2" | . 08 | . 05 | . 046 | . 043 |

PESY CLIP WITH MESH TEETH (B)
Pee.Wee clip for general test purposes. Cad. plated steel except ${ }^{\bullet} \mathrm{C}$ is solid copper. Avg. shpg. wt., $1 / 202$.

| Stock No. | N0. | Sund. | stat | Net Each | $\begin{aligned} & \text { Lots } 10 \\ & \text { Eneh } \end{aligned}$ | $\text { Lets } 100]$ | $\begin{aligned} & 500 \text { Up } \\ & \text { Each } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 T 3501 | 45 | 5 | 112" | 02 | . 03 | 052 | . 05 |
| 32 T 3502 | 456 | 10 | 11/2" | . 14 | . 11 | 0.02 | . 087 |

## TWIN CLIPS (6)

Jaws of both ends operate independently. Cad. plated steel $\mathbf{2}^{\prime \prime \prime}$ iong. jaws open $1 / 2^{\prime \prime \prime}$. Shpg. Wt., 102.

FLEXIBLE INSULATORS (H)
Avg. Shpg. wt., 1 oz. SPECIFY RED OR BLACK.

| Stock No. Ins. No. Color |  |  | Fits Clip series | $\begin{aligned} & \text { Net } \\ & \text { Eath } \end{aligned}$ | $\begin{aligned} & \text { Lets } 10 \\ & \text { Exel } \end{aligned}$ | $\begin{aligned} & \text { Lots } \\ & 100 \\ & \text { Each } \end{aligned}$ | $\begin{array}{r} \text { Lots } \\ 500 \\ \text { Each } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 T 3546 | 13 | Red | 11 | . 81 | . 57 | . 49 | . 46 |
| 32 T 3547 | 13 | Black | 11 | . 81 | . 57 | . 49 | 46 |
| 32 T 3548 | 23 | Red | 21 | .41 | . 29 | . 246 | 234 |
| 32 T 3549 | 23 | Black | 21 | . 41 | . 29 | . 246 | . 234 |
| 32 T 3550 | 26 | Red | 24A 825 | . 23 | . 16 | .138 | . 131 |
| 32 T 3551 | 26 | Black | 24A \& 25 | 23 | . 16 | . 138 | . 131 |
| 32 T 3552 | 29 | Red | 27 | . 17 | . 12 | . 104 | . 098 |
| 32 T 3553 | 29 | Black | 27 | . 17 | . 12 | . 104 | . 098 |
| 32 T 3554 | 32 | Red | 30 | . 05 | . 03 | . 029 | . 027 |
| 32 T 3555 | 32 | Black | 30 | . 05 | . 03 | . 029 | . 027 |
| 32 Y 3556 | 36 | Red | 34 | . 05 | . 03 | . 029 | . 027 |
| 32 T 3557 | 36 | Black | 34 | . 05 | . 03 | . 029 | . 027 |
| 32 T 3558 | 47 | Red | 45 | . 07 | . 05 | . 042 | . 04 |
| 32 T 3559 | 47 | Black | 45 | . 07 | . 05 | . 042 | . 04 |
| 32 T 3560 | 49 | Red | 48 \& 50 | . 10 | . 07 | . 059 | . 056 |
| 32 T 3561 | 49 | Black | 48850 | . 10 | . 07 | . 059 | . 056 |
| 32 Y 3562 | 62 | Red | 60 | . 06 | . 04 | . 033 | . 031 |
| 32 T 3563 | 62 | Black | 60 | . 06 | . 04 | . 033 | . 031 |
| 32 r 3564 | 87 | Red | 85 | . 07 | . 05 | . 042 | . 04 |
| 32 T 3565 | 87 | Black | 85 | . 07 | . 05 | . 042 | . 04 |

## LAFAYETTE <br> KIT OF 20 INSULATED ALLIGATOR CLIPS

Two kits of insulated alligator clips. Kit A
consists of 20 large size clips. Kit $B$ consists of 20 small size clips. All have sturdy
 nickel-plated jaws with strong spring and hard bite. Each kit contains 10 red and 10 black alligator clips, carded and bagged. Imported. Shpg. wt. 802.
99 I 6235 Kit B ( $1122^{\prime \prime}$ )
Net .99
99 T 6236 Kit A $(21 / 2$ " Net 1.39

## MATING ALLIGATOR CLIP ${ }^{3}$

 AND BANANA PLUG SETSolder the Banana plugs to your test leads for probing. The sturdy jaw alligator clips firmly mate with the banana jack for clip-on use. Both sets of alligator clips and jacks have red and black plastic insutators. Overall size: Plugs $2^{\circ \prime}$, clip $2^{334^{\prime \prime}}$, mated $4^{\prime \prime}$. Shpg. wt. 4 02. Imported.
99 I 62422 Alligator Clips and 2 Banana Plugs $\qquad$
KIT OF 10 JUMPER LEADS
10 handy $14^{\prime \prime}$ leads with miniature insulated alligator clips attached to each end. Clips and leads color coded. 5 pairs each a different color. Ideal for serviceman or experimenter. Imported.

-Copper, others cad. plated. $\uparrow$ Has standard phone tip to one jaw. Avg. shpg. wt.. 4 oz .

| Stock No. | No. | Siz | Comm. | Each | $\begin{gathered} \text { Lots } 10 \\ \text { Each } \end{gathered}$ | $\begin{gathered} \text { Lots } 100 \\ \text { Each } \end{gathered}$ | $\begin{aligned} & 500 \text { up } \\ & \text { Each } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 T 3514 | 85 | 21/6" | Screw | . 11 | . 05 | . 085 | . 062 |
| 32 T 3515 | 256* | 214" | Screw | 21 | . 15 | .127 | . 121 |
| 32 T 3516 | 65t $\dagger$ | 2\%" | Tip | 27 | . 19 | . 16 | . 152 |

ALLIGATOR CLIPS (E)

- Copper, others steel. All fit banana plugs, Avg, shpg. wt., 402.

| Stock No. | M. | Size | Opem | Cema. | Exel | Lets 10 Each | Lets 100 Esch | $\begin{gathered} 500 \mathrm{up} \\ \text { Each } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 T 3517 | co | $2 \times$ | $\mathrm{K}_{1}{ }^{\prime \prime}$ | Std. | 0 | . 05 | . 047 | 044 |
| 32 T 3518 | 635 | $2^{\prime \prime}$ | $\mathrm{K}_{6}{ }^{\circ \prime}$ | Screw | . | . 03 | 054 | . 051 |
| 32 T 3519 | stics* | $2^{\prime \prime}$ | K0" | Screw | . 14 | . 10 | . 042 | . 078 |

insulated alligayor clips ( F
Speclify red or black. "Copper, others cad. plated steel. Size: $2^{111} \mathrm{xa}^{\prime \prime \prime}$-screw connections. Avg. shpg. wt., 102.

| Stock No. | Me. | Celer | Each | $\begin{gathered} \text { Lets } 10 \\ \text { Enel } \end{gathered}$ | $\begin{gathered} \text { Lets } 109 \\ \text { Exch } \end{gathered}$ | $\begin{gathered} 500 \text { uf } \\ \text { Etach } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 Y 3542 | 60HS | Red | . 13 | d | . 076 | . 072 |
| 32 T 3543 | 60 HS | Black | . 13 | .0.0 | 87 | . 072 |
| 32 ¢ 3544 | 60chs* | Red | . 17 | .12 | . 101 | . 096 |
| 32 T 3545 | 60CHS* | Black | . 17 | . 12 | . 101 | . 096 |

BATTERY CLIPS STEEL AND COPPER (B)
*Are solid copper, all others are lead plated. Avg. shpg. wt., $3 \mathbf{0 z}$.

| Stock No. | W. | And. | Sise | $\begin{aligned} & \text { Not } \\ & \text { Eneh } \end{aligned}$ | Lets 10 Exch | Lets 100 Exch | $\begin{gathered} 500 \text { UP } \\ \text { Each } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 T 3506 | 241 | 25 | 2\%" | . 28 | 16 | . 152 | . 145 |
| 32 Y 3507 | 211 | 50 | 4" | . 46 | . 32 | 27 | . 25 |
| 32 T 3508 | 114 | 100 | $6^{\prime \prime}$ | 1.27 | 2 | . 76 | . 72 |
| 32 T 3537 | 25C* | 75 | $3^{\prime \prime}$ | .40 | . 34 | 22 | 276 |
| 32 T 3509 | 216* | 100 | 41/2" | 1.20 | 4 | . 72 | 69 |
| 32 T 3510 | 11c* | 200 | $6^{\prime \prime}$ | 2.34 | 1.4 | 1.0 | 1.33 |

3 SIDED MESH PEETH CLIPS (B)
All steel cadmium plated except * is solid copper, $\ddagger$ has insulation piercing needle in jaw. Avg. shpg. wt., 1 oz.

| Stock No. | Me. | amg. | Sle | Ench | $\text { Lets } 10$ | $\begin{gathered} \text { Lats } 100 \\ \text { Eactu } \\ \hline \end{gathered}$ | $\begin{aligned} & \text { B00 up } \\ & \text { Exch } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 T 3503 | 408 | 10 | 2" | . 17 | .03 | .77 | . 074 |
| 32 T 3504 | 48C* | 20 | 2 | . 20 | . 14 | . 118 | . 113 |
| 32 Y 3505 | 50C* $\ddagger$ | 20 | $21 / 4{ }^{\prime \prime}$ | . 32 | . 22 | .19 | . 179 |
| 32 「 3511 | 27 | 20 | 2\%\%"' | . 16 | . 11 | .012 | . 087 |
| 32 T 3512 | 274* | 40 | 2\%'" | . 27 | . 19 | 16 | . 152 |

FULLY INSULAYED ALLIGATOR CLIPS (K)
"Copper, tCad. plated steel, $21 /{ }^{\prime \prime}$ long, shpg. wt., 102.

| Stock No. | $\mathrm{N}_{0}$ | Celer | Each | Lets 10 Each | $\text { Lots } 100$ | $\begin{gathered} 500 \text { up } \\ \text { Each } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 T 3566 | $63+$ | Red | . 19 | . 13 | . 11 | . 105 |
| 3213567 | $63 \dagger$ | Black | . 19 | . 13 | . 11 | . 105 |
| 32 T 3568 | 63c* | Red | . 22 | . 15 | . 13 | . 124 |
| 32 T 3569 | $63{ }^{\circ}$ | Black | .22 | . 15 | . 13 | . 124 |

## INSULATED ALLIGATOR TEST CLIPS WITH 6 FT. LEAD

Handy for quick connections. Plated brass alligator clip with insulated handles and 6 ft . of No. 22 stranded wire attached. Clip Is $11 / 2^{\prime \prime}$ overall. Imported. Shpg. Wt., 8 oz. 9916231 Red ...... 50 for 3.9510 for .90 99 16232 Black

## INSULATED ALLIGATOR CLIP

Sturdy nickel-plated brass jaws with plastic insulated thumb rest and insulated barrel. Strong spring with hard bite. Solder lug connection, Overall length $21 / 2^{\prime \prime}$. Imported. Shpg. wt., 4 oz. Supplied In Red and Black.
99 T 6219 Red
99 T 6220 Black

## FAHNESTOCK CLIPS \&

Brass clips that assure good electrical contact without Injury to wire. $3 / 3^{\circ}$ wide except * which are $\mathrm{K}_{4}^{\prime \prime}$. Packages of 10 . Shpg. wt., 402.

| Stock No. | Fig. | Leth. | Max. Wire | mic. Nole | $\begin{aligned} & \text { Net } \\ & \text { P.K. } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 33 Y 7101 |  |  | No. 10 | No. 8 | 25 |
| 32 T 7601 | C | 11/6" | No. 10 | No. 8 | . 32 |
| 32 T 8459 | A | 174" | No. 10 | No. 8 | . 99 |
| 33 T 7102* | B | 7/4* | No. 14 | No. 6 | 20 |

# Argonne The Quality Line of Transistor Transformers 

- Nickel-Steel Laminations
- Mylar Outer Wrap
- Wound on Nylon Bobbins
- Color Coded Leads

Efficiently designed to meet the needs of miniaturization and engineered to provide excellent power handling capacity and frequency response with minimum distortion. All are nickel-steel laminations. Applications under "TYPE" shows typlcal use. UBC is unbalanced current. Many units may be used for other applications as well. Average net weight $11 / 402$.: average shpg. wt., 4 OZ. MADE IN U.S.A.


Singly

## PRICE SCHEDULE

QUANTITY BUYERS
Lots of 10 Assorted 2.30
Lots of 25 Assorted 2.10
$2^{50}$ Lots of 50 Assorted 1.95 Lots of 100 Assorted 1.00 WRITE FOR PRICES ON LARGER QUAMTITIES
Appiles to all units on this page except
33 T E576, 33 T 8577 and 33 T 7501.

## PRINTED CIRCUIT TYPES

All transformers on this page are strapmount as Hlustrated. Printed circuit mounts avallable on special order. Minimum 50 of a type. Delivery approx. 3 weeks: prices same. Order Argonne number, adding suffix PNB, thus: AR-141-PNB.

## SPECIAL TYPES

We welcome the requests of quantity users to quote on any variation of these Argonne transformers or simifar miniature units. When writing please give full particulars and enclose prints, if available, with the specifications. Minimum orders for 100 of a type.

## ARGONNE HIFI TRANSISTOR <br>  <br> TRANSFORMERS

- Designed For Wide Range Transistor Audio Amplifiers
- $20-20,000 \mathrm{~Hz} \pm 0.25 \mathrm{DB}$

Completely encased transformers specfically designed for use in transistored, wide range, high fidelity audio amplifiers. Both difver and output have a frequency response of 20. $20,000 \mathrm{~Hz} \pm 0.25 \mathrm{~d}$ when used in properly designed circuits. At full power rating of 1.5 watts the same response may be achieved at
 mounting studs. Color coded leads. Shpe. wt. 9 ozs.

## ORIVER TRANSFORMER

Primary impedance 5000 ohms, 3000 ohm center tapped secondary, DC resistance of primary 50 ohms. of secondary 75 ohms. Unbalanced primary current 20 ma DC .
38 T -576 (Argeane AR-500)

## OUTPNT TRANSFORMER

Primary impedance, 125 ohms center tapped. Secondary impedance. 8 ohms. DC resistance of primary is 4 ohms, of secondary. 0.8 ohms. Unbalanced primary current 50 ma DC. 33 T ASTIT (arsonme MR-501)


## - Rated 10 Watts

Lafayette's latest transistor circult component. Engineered for construction prolects using the increasingty popular power transistors. Will also serve as a general replace ment for many transistorized auto radios. Rated at 10 watts for push-pull operation. Primary tapped at $8,12,16,24,32$ and 48 ohms. Secondary tapped at 4, 8 and 16 ohms. Sizes: $3 \mathrm{~K}_{0} \times 21_{4} \times 2 \mathrm{~K}_{0}{ }^{\circ}$. Shpg. wt., 3 lhs.
33 T 7el

## LAFAYETTE Transformers

## MINIATURE TRANSISTOR TRANSFORMERS

- Truly Miniature-Only $3 / 4 \times 5 / 8 \times 5 / 8^{\prime \prime}$ OUTPUT TRANSFDRMER FOR 3.2 OHM SPEAKERS
Popular transistor output transformer for 3.2 ohm speakers. May be used either singleended or push-pull. Wound on nylon bobbins with mytar outer wrap with laminations on nickel-steel and silicon-steel. Rated power is 100 milliwatts. Primary impedance is 500 ohms. Center-tapped and secondary 3.2 ohms. DC resistance of primary is 20 ohms and secondary is .3 ohms. Color coded leads. Net wt., $11 / 4$ 02. Shpg. wt., 4 02. Imported. 99 •6123


## OUTPUT TRANSFORMERS

FOR 10-11 OHM SPEAKERS
Economically priced popular transistor output transformer for 10 to 11 ohm speakers. Rated power is 150 milliwatts. Primary impedance is 400 ohms, center-tapped and secondary 11 ohms. DC resistance of primary is 20 ohms and secondary .9 ohms. Sizes $3 / 4 x^{56}$ ". Shpg. wt., 402 . Imported. 9976209

Net .89
TRANSISTOR DRIVER TRANSFORMER
Single-ended transformer for drlving transistor power-stage. Impedance 10,000 onms pri., 2000 ohm C.t. sec.: DC res. 500 ohms pri., 50 ohms sec. 1.5 ma . dc unbalanced pri. current. Rated 100 mw . $3 / 4 x^{5} / 6 x^{3} / \mathbf{m}^{\prime \prime}$. Shpg. wt. 4 oz. Imported.
$99+6124$
Net .09

## 2 WATT INPUT TRANSFORMER



Rated 2 watts. Frequency response 70 to $20,000 \mathrm{~Hz} \pm 2 \mathrm{db}$. Primary impedance 100 ohms. Secondary impedance 200 ohms CT. Primary DC resistance 1.8 ohms, secondary 2.7 ohms. Unbalanced primary current, 200 ma DC. Size: $1 K_{4} \times 17 / 0 \times 1 K_{0}^{\prime \prime}$, Wt.. 1 lb . 33 T 8579

SUBMINIATURE TRANSISTOR AUDIO TRANSFORMERS
ONLY $1 / 2^{\prime \prime} \times 1 / 2^{\prime \prime} \times 1 / 2^{\prime \prime}$
A new series of miniature transformers for transistor and experimental miniature circuits. Ideal for miniature radio receivers, amplifiers, hearing aids, etc. using standard transistors. Incorporate special heat-treated high permeability magnetic cores treated to resist corrosion. Designed for improved frequency response with. Low distortion. $3^{\prime \prime}$ color-coded leads. Average shog. wt., 4 02. Imported.

| Stock No. | Circuit | Impedance Pri. Ohms | Sec. 0 hms | D.C. Resistance <br> Pri. Ohms | Sec. Ohms | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 99 T 8125 | INPUT | 100,000 | 1000 | 1000 | 1000 | 89 |
| 99 T6126 | ORIVER | 10,000 | 2000 C.T. | 240 | 60 C.T. | . 89 |
| 9976127 | DUTPUT | 500 C.7. | 3.2 | 42 C .1. | 0.7 | . 89 |
| 99 I 6034 | INPUT | 200,000 | 1000 | 1400 | 50.5 | . 89 |
| 99 \6129 | OUTPUT | 500 C.7. | 8 | $50 \mathrm{C.T}$. | 1.7 | . 89 |

## UNIVERSAL POWER TRANSISTOR OUTPUT TRANSFORMER

- Designed For High Output Transistors - Used In Auto Radios PA Systems - in tercoms-Etc.


## 6 WAIT OUTPUT TRANSFORMER

 Rated 6 watts. Frequency response 70 to $20,000 \mathrm{~Hz} \pm 2 \mathrm{db}$. Primary impedance 48 ohms center tapped. Secondary, 3.2 ohms; Primary DC resistance 1.1 ohms, secondary 0.3 ohms. Unbalanced primary current 500 33 T857

## 24-VOLT FILAMENT TRANSFORMER <br> 

Primary 117.Volt, secondary 24 Volts at 1 amp. Mounting centers $21 / 4^{\prime \prime}$. Size $21 / 4 x$ 17/ax15/6". Imported. Shipping wt., $11 / 2$ lbs. 99 † 6266

## TRANSISTOR OUTPUT TRANSFORMER

Only 5/xx/8xlKo". 2000 ohm primary to 10 ohm voice coil.
Matches most transistor outputs. Shpg. wit. 8 oz. Imported. 99 T 6101

Net .69
LINE.TO
VOICE COIL TRANSFORMERS

## 25 VOLT. 16 WATT LINE-TO-VOICE COLL

May be used with either 8 or 16 ohm speakers. 8 ohm speakers have choice of 4,8 or 16 watt taps. 16 ohm speakers use $2,4,8$ or 16 watt taps. Imported. Size: $2^{3} / 4 \times 21 / 4 \times 2^{\prime \prime}$. Snpg. wt., 2 lbs.
991634
Net ea. 4.29

### 70.7 VOLT, 10 WATT LINE TO-VOICE COIL

70 volt line-tovolce coll matching trans. former. Primary tapped $10,5,2.5,1.25$ and .625 watt5. Secondary tapped 5,8 and 16
 ported. Shpg. wt., itio.
99 T 624
Net 1.49


Fig. 1


FIE. B


STEP DOWN

50 L 6 OUTPUT
Fig. E Matches 50L6, 35L6. 25L6, etc. to 3.4 ohm voice coil. Shpg. wt., $1 / 2 \mathrm{lb}$.
33 T 3701 Singly, each ........ . 69 Lots of 5, Ea.
ANSF ORMER
Primary 115 V . Secondary 6.3 V at 1 amp . Shpg. wt., $3 / 4 \mathrm{lbs}$. 33 T 3702 Singly, each ....... 1.39 Lots of 5. Ea.
6.3 VOLT FILAMENT TRANSFORMER
V. Secondary $6.3 V$ at 1 amp. ShDg. $w t .{ }^{3 / 4}$ Ib

UNIVERSAL OUTPUTS
Fig. A. Match any single or push-pull output tubes to any voice coil. Shpg. wt. $3 / 4$ lbs.
33775034 Watt-Singly, each - 1.49 In lots of 5, each.... 1.34
33 77504 8 Watt-Singly, each .. 1.79 In lots of 5, each ... 1.52

## STEP DOWN AUTO TRANSFORMERS

230 to 115 V . All supplied with $6^{\prime}$ Heavy duty line Cord and built in receptacle.

| Stock Ne. | Wattage | Primary | Secondary | Shpg. Wt. lbs. | Singly | ts of 5 each |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 T 8801 | 100 | 230 | 115 V | 5 | 5.58 | 5.07 |
| 33 T 8802 | 150 | 230 | 115 V | 51/2 | 7.50 | 6.82 |
| 33 T 8803 | 250 | 230 | 115 V | 8 | 9.00 | 8.18 |
| 33 T 8804 | 350 | 230 | 115 V | 91/2 | 9.83 | 8.94 |
| 33 T8805 | 500 | 230 | 115 V | 14 | 12.10 | 11.00 |
| 3318806 | 750 | 230 | 115 V | 19 | 15.50 | 14.08 |
| 33 T 8807WX | 1000 | 230 | 115 V | 25 | 20.75 | 18.86 |
| 33 T 8808WK | 1500 | 230 | 115 V | 31 | 24.25 | 22.02 |

## POWER/ISOLATION

 TRANSFORMER- Ideal For Amplifiers, Intercoms and Receivers


## $1^{95}$

Here is a versatite power transformer that is Ideal for experimenters, hobbyists and constructors, Primary 117 volts and secondary 105 volts no-load - $\mathbf{8 2}$ volts with 150 ma filament load. Literally hundreds of uses for this versatile unit. A 10 page booklet gives pictorial and schematic diagrams for using this transformer in circuits for broadcast receiver phono oscillator, audio amplifier broadcast station, code practice oscillator, capacity operated relay, signal tracer, electronic timer, electronic switch and photocell relay. Minimizes the danger of shock by isolating circuits from the power line. Size: $24 / 4 \times 2 \times 14 / 2$ ". Shpg. wt., 3 lbs.
33 Y 7502 Transformer
Net 1.95

## POWER TRANSFORMER for SELENIUM RECTIFIER CIRCUITS

most popular replacement dower transformer for circuits using selenlum rectifiers or rectifier tubes such as $6 A \times 5,6 \times 4,6 \times 5$. Primary is 117 V 60 Hz A.C. Plate supply is 125 VAC $1 / 2$ wave at 15 ma with 6.3 V 0.6 amp filament winding. Sire: $2 \times 236 \times 1 \%{ }^{\circ}$; mounting centers $\mathbf{2 "}^{\prime \prime}$. Shpg. wt., 1 lb . 33 † 3405 Net 2.25


## POWER TRANSFORMERS

All primaries 117 V 60 Hz . All 6.3 V secondaries are C.T. except and PC. 8414 which has extra 6.3 V amp. winding Types with $\ddagger$ are for selenium rectifler circuits or tubes such as $6 A \times 5,6 \times 4,6 \times 5$, etc. All type M mig. except PC and Pare $\mathbf{C} \mathrm{mtg}$. Ps is $\mathbf{S} \mathrm{mtg}$. PA is A mtg . $\uparrow$ Plate $V$. not center tapped.

| Steck Mo. | Stum No. | Plate |  | $5 \mathrm{SV}$ | $6.7$ | Size | Wt. Les. | 1.8 | Met Ench |  | 50.59 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | VCT | M |  |  |  |  |  |  |  |  |
| 331 t094* | PS-8415 | 125t ${ }^{\text {¢ }}$ | 15 | - | 0.6 | 2×2\% $\times 1 \%$ | 3/4 | 2.97 | 2.4 | 2.53 | 2.35 |
| 33 T $1095 *$ | PA.8421 | 125 + \% | 50 | - | 2.0 | $21 / 4 \times 31 / 4 \times 24 / 8$ | 11/2 | 4.65 | 4.18 | 3.95 | 3.72 |
| 33 T8096* | PS. 8416 | 250 | 25 |  | 1.0 | 2Kx $27 / \times 13 / 4$ |  | 3.55 | 2.18 | 3.02 | 2.84 |
| $3315097^{*}$ | PC. 8418 | 460 t | 50 | - | 2.5 | $3 \mathrm{k} \times 25$ ¢ 25 | 24/4 | 5.64 | 5.30 | 5.00 | 4.70 |
| $3318090^{\circ}$ | PM-8418 | 460 | 50 | - | 2.5 | $256 \times 24 / 2 \times 3$ | 21/4 | 5.89 | 5.40 | 5.10 | 4.80 |
| 33 T 8101 | PC-8401 | 470 | 40 | 2.0 | 2.0 | $3 \mathrm{~K} \times 256 \times 274$ | 21/4 | 6.15 | 6.10 | 5.76 | 5.42 |
| 13 T 102 | PM. 8402 | 480 | 55 | 2.0 | 2.0 | $21 / 4 \times 21 / 2 \times 3$ | 21/2 | 7.25 | 5.56 | 6.20 | 5.88 |
| 13 T 103 | PC. 8402 | 480 | 55 | 2.0 | 2.0 | $3 \times 2 \times 258 \times 21 / 4$ | 21/2 | 6.45 | 5.81 | 5.46 | 5.17 |
| 33T105* | PC. 8419 | 480 f | 70 |  | 3.0 | $27 / 2 \times 24 / 2 \times 3$ | 23/4 | 6.74 | 6.07 | 5.72 | 5.19 |
| $33 \mathrm{~T} 810{ }^{*}$ | PM. 8420 | 5201 | 90 | - | 4.0 | 31/2x27/2x $3 \%$ | 34/2 | 0.24 | 7.42 | 7.01 | 6.58 |
| $33 \mathrm{~T} 10{ }^{\circ}$ | PC. 8420 | 520 | 90 | - | 4.0 | $31 / 2 \times 31 / 4 \times 21 K_{0}$ | 31/2 | 7.6 | 7.04 | 6.64 | 6.29 |
| 3318108 | PM. 8403 | 500 | 70 | 2.0 | 2.5 | $31 / 0 \times 21 / 2 \times 3$ | 31/4 | 8.02 | 7.22 | 6.12 | 6.42 |
| 33 T 8111 | PC. 8404 | 520 | 90 | 2.0 | 3.0 | 31/2x $31 / 2 \times 21 \%_{0}$ | 4 | 0.65 | 7.13 | 7.40 | 6.58 |
| 33 T 0112 | PM. 8405 | 540 | 120 | 3.0 | 3.5 | 312x31/6x33/4 | 5 | 11.80 | 10.62 | 10.03 | 9.44 |
| 33 T 113 | PC. 8405 | 540 | 120 | 3.0 | 3.5 | $4 \times 31 / 431 / 2$ | 5 | 11.33 | 10.20 | 8.64 | 8.07 |
| 33 T 8114 | PM-8423 | 600 | 90 | 2.0 | 3.5 | 3x314021\% | 4 | 10.20 | 2.18 | 6.67 | 8.17 |
| 33 T8115 | P.0358 | 600 + | 65 |  | 2.7 | 31/625/6x21/2 | 3 | 7.18 | 6.46 | 6.10 | 5.75 |
| 3318072 | PC. 8407 | 650 | 55 | 2.0 | 2.0 | 3\%. $\times 25 / 8 \times 31 / 4$ | 31/4 | 7.58 | 6.44 | 6.46 | 6.08 |
| 33 T 8073 | PM-8408 | 680 | 70 | 2.0 | 2.5 | 34/2x2\% $2 \times 3 \%$ | 4 | 3.34 | 4.41 | 7.85 | 7.48 |
| 3318074 | PC. 8408 | 680 | 70 | 2.0 | 2.5 | 350x3x 3 \% | 4 | 0.34 | \& 41 | 7.05 | 7.48 |
| 3318075 | PM-8409 | 700 | 90 | 2.0 | 3.0 | 342×3\#6 ${ }^{\prime \prime} \mathrm{K}_{0}$ | 44/2 | 9.94 | 8.8 | 0.40 | 7.9 |
| 13 T 8076 | PC. 8409 | 700 | 90 | 2.0 | 3.0 | $356 \times 3 \times 34 \%$ | 412 | 11.53 | 10.20 | 41 | 0.22 |
| 33 T 0077 | PM. 8410 | 720 | 120 | 3.0 | 3.5 | 31/4×314*31/2 | 54/2 | 11.00 | 10.62 | 10.83 | 3.44 |
| 13 T 0078 | PC. 8410 | 720 | 120 | 3.0 | 3.5 | $4 \times 31 / 4 \times 37 / 4$ | 51/2 | 11.05 | 8.95 | 8.38 | 1.44 |
| 2818090 | PC. 8411 | 750 | 150 | 3.0 | 4.5 | 4\% $\times 1 \times 3564$ | 6 | 15.18 | 12.67 | 12.91 | 12.15 |
| 33 T8081 | PM-8412 | 800 | 200 | 3.0 | 5.0 | $37 / 2 \times 31 / 6 \times 41 / 2$ | $81 / 4$ | 16.06 | 14.46 | 12.65 | 12.45 |
| 13 T 10012 | PC. 8412 | 800 | 200 | 3.0 | 5.0 | $43 \times 1 \times 4 \times 4$ | $81 / 4$ | 15.11 | 14.23 | 13.44 | 12.65 |
| 33 T 8083 | PC. 8414 | 1200 | 200 | 3.0 | 3.0 | 41160 $31 / 4 \times 4$ | $81 / 2$ | 18.18 | 16.59 | 16.44 | 15.10 |

## FILAMENT TRANSFORMERS

All primaries are 117 volt $50-60 \mathrm{~Hz} A C$ except * which is 6.3 volt and $t$ which has $117 / 107 \mathrm{~V}$.
F has two $6.3 Y$ secondaries with 1 center tap.

| Steck Mo. | Stan Ma. | Velts | $\text { Secomiery } 1$ | Insel. | $\begin{aligned} & \text { TyE. } \\ & \text { Typ. } \end{aligned}$ | in ins. | $1-3$ | $\begin{gathered} \text { Net } \\ 10-24 \\ \hline \end{gathered}$ | $\text { ch } 25-4$ | 50-81 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 T 004 | P-6133 | 2.5 CT | 5.0 | 7.500 | S | 1.5 | 5.04 | 4.34 | 4.21 | 4.04 |
| 33 10005 | P-6454 $\dagger$ | 2.5 CT | 10.0 | 7,500 | S | 2.5 | 5.14 | 4.62 | 4.37 | 4.12 |
| 33 T cose | P-6467 | 5.0 CT | 3.0 | 2.500 | A | 1.4 | 4.02 | 3.62 | 12.41 | 3.22 |
| 33 T 2023 | P. 6492 | 5.0 CT | 30.0 | 2,500 | C | 7.5 | 14.74 | 12.27 | 12.53 |  |
| 33 T 0048 | P.6465 | 6.3 CT | . 6 | 1,500 | $\lambda$ | 0.4 | 2.47 | 23 | 2.08 | 1.97 |
| 3318050 | P.6134 | 6.3 CT | 1.2 | 3,000 | A | 0.8 | 2.63 | 2.37 | 2.24 | 2.11 |
| 33 I 2051 | P. 8190 | 6.3 | 1.2 | 5,000 | A | 1.0 | 3.41 | 3.07 | 2.91 | 2.71 |
| 33 T 2052 | P.8191* | 6.3 | 1.2 | 5,000 | A | 1.0 | 4.01 | 3.61 | 3.40 | 3.11 |
| 33 T 0354 | P. 5014 | 6.3 CT | 3.0 | 2,500 | By | 2.0 | 5.50 | 4.85 | 4. | 4.40 |
| 3370055 | P. 6466 | 6.3 CT | 3.0 | 2.500 | A | 1.4 | 3.85 | 3.58 | 3.38 | 3.18 |
| 3318056 | P. 64621 | 6.3 | 3.0 | 7.000 | S | 2.0 | 7.25 | 6.54 | 6.18 | 5.81 |
| 33 T 8058 | P-6431 $=$ | 6.3 CT | 6.0 | 2,500 | C | 4.8 | 10.67 | 0.61 | 8.8 | \%. 54 |
| 33 T 1060 | P.4019 $\uparrow$ | 6.3 CT | 4.0 | 2,500 | C | 2.7 | 6.44 | 5.40 | 5.47 | 5.15 |
| 33 T 8051 | P. 3064 | 6.3 CT | 6.0 | 2,500 | BV | 2.4 | 6.38 | 5.75 | 5.48 | 5.11 |
| 33180053 | P.6456t | 6.3 CT | 6.0 | 2,000 | A | 2.0 | 4.72 | 4.25 | 4.02 | 3.76 |
| 33 T B064 | P. 6464 | 6.3 CT | 10.0 | 2,000 | C | 3.5 | 4.41 | 7.57 | 7.14 | 6.73 |
| 3318065 | P. $6308 \uparrow$ | 6.3 CT | 10.0 | 2,500 | BV | 3.4 | 6.08 | 7.24 | 6.87 | 6.46 |
| 3318066 | P.6309 $\dagger$ | 6.3 CT | 20.0 | 2.500 | BV | 6.7 | 12.31 | 11.04 | 10.47 | \$.85 |
| 33 T 8057 | P. 5015 | 7.5 CT | 4.0 | 2,500 | BV | 2.7 | 4.27 | 5.65 | 5.38 | 5.02 |
| 13 T 0064 | P-6457 $\dagger$ | 7.5 CT | 21.0 | 2,000 | c | 8.0 | 16.55 | 14.30 | 14.06 | 13.24 |
| 331 1005 | P-6458 ${ }^{\text {P }}$ | 10.0 CT | 5.0 | 2,000 | $8 V$ | 3.0 | 5.48 | 5.30 | 5.04 | 4.70 |
| 3318118 | P-4097 $\dagger$ | 10.0 CT | 8.0 | 2,500 | C | 5.2 | 8.45 | 0.31 | 6.94 | 7.56 |
| 33 T 8119 | P-8130 | 12.6 CT | 20 | 1.500 | A | 1.4 | 4.35 | 3.92 | 3.70 | 3.40 |
| 13 T 120 | P-6469 | 25.2 | 1.0 | 1,500 | A | 1.4 | 4.05 | 3.68 | 3.45 | 2.25 |

## INTERCOM AND TRANSCEIVER TRANSFORMERS

A3833 and A3817 are for citizens band transceivers; A4749 for telephone patch circuits; $\mathbf{A} 4744$ for intercoms voice col to grid input. Mar. watts $+3 ; * 5 ; 58 ; \$ 10$.

| Steck Me. | Stem Mo. | Anplliention | F1. | Ti. Enms | sec.enms | sixe | wh. Lis. | $1-$ | $10-24$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 T 8248 | 13333* | Cit. Band | A | 200/5000 | 60,000 | 13/623/6x142" | 7 | 4.64 | 4.18 |
| 38 T 248 | 14744 | Intercom | VE | 4 | 25.000 | 1\% 27 \%x112" | 3/4 | 2.5 | 2.30 |
| 33 T 8251 | A.090t | Cemeral | 0 | 45-50 | 3-4/6-8 | 1\%62\%ex11/2" | $3 / 4$ | 2.4 | 2.20 |
| 3318252 | Ac091S | General | 0 | 45-50 | 3-4/6-8 | 150x2\%ex150 | 1 | 2.51 | 2.37 |
| 33 T 2253 | A30177 | Cit. Band | A | 5000 | 6750/4 | 15K6 $\times 1 / 2 \times 2 \%$ " | 1/4 | 4.17 | 3.76 |

## DRIVER TRANSFORMERS

All type A mtg. $\mathbf{1 0 , 0 0 0}$ ohm primary, single plate to push-pull grids. Use between first audio and push-pull output. Ratio is pri. to $1 / \mathrm{Sec}$.

| Stact Me. | Stam. 10. | Pri. AC | Pri. | Ratio | Sise |  | $- \text { Not Ench } 10-24$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 5315121 | A.4713 | 30 | 10,000 | 2:1 | 1\%/627/6x11/2 | $1 / 2$ | 2.58 | 2.6 |
| 33 T 1122 | A-4723 | 30 | 10,000 | 3:1 | $156 \times 21 / 0 \times 11 / 2$ | $1 / 2$ | 221 | 2.53 |
| 33 ז 1123 | A-4752 | 40 | 10,000 | 2/1.5/1:1 | 2531/4.11/4 | 1/2 | 3.0 | 3.51 |

# Outputs, Chokes, Audio, Special Transformers 

UNIVERSAL OUTPUT TRANSFORMERS
Match single or push pull plates to any voice coil except * which matches to $500 / 333 / 200$ / 125/50 ohms. All type A mtg.

| Stock No. | Stan. No. | Primary | Watts | Size, Inch | Net WL. | $\begin{aligned} & \text { Met Each } \\ & 1.9 \quad 10.24 \end{aligned}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 T 8124 | A3250* | 5K, 10K, 20 KCT | (15 ma) | 2x31/4x13/4 |  | 5.09 | 4.58 |
| 33 T 8125 | A3822 | 7.10K | 4 | $13 / 8 \times 23 / 5 \times 13 / 4$ | 3/4 | 2.52 | 2.27 |
| 33 T 8126 | A 3823 | 4-14K Cr | 8 | $13 \times 27 / 5 \times 11 / 2$ | 3/4 | 4.17 | 3.76 |
| 33 18127 | A3825 | 1.5-4.5K | 8 | 2×31/4 $\times 1$ \% | 11/4 | 3.35 | 3.02 |
| 33 T 8128 | ${ }^{13830}$ | 3.10 KCT | 20 | $2^{1} x_{6} \times 3 \times 1 \times 21 / 4$ |  | 5.38 | 4.84 |
| 33 T 8130 | A3849 | 1.5-10K | 10 | 1\%x27/9x14/2 | 1 | 4.02 | 3.62 |
| 33 T 8131 | A3850 | 4.14 K CT | 8 | 2x236x11/2 | 1 | 4.21 | 3.79 |
| 33 T 1132 | ${ }^{4} 3852$ | 4.14 KCT | 18 | $24.2 \times 21 / 4 \times 2$ |  | 5.03 | 4.53 |
| 33 T 8133 | A3856 | 4.14 KCT | 4 | 136x23613 | 13/4 | 3.52 | 3.17 |
| 33 T 8134 | A3870 | 4.14 KCT | 18 | 2x $31 / 4 \times 2$ | 13/4 | 5.19 | 4.67 |
| 33 T 8135 | A 3880 | 4.14 KCT | 15 | $21 / 4 \times 374 \times 21 / 2$ | 13/4 | 5.52 | 4.97 |
| 33 T8136 | A 3824 | 6-10K | 8 | 2x31/4×2 | 11/4 | 4.04 | 3.63 |

## FIXED OUTPUT TRANSFORMERS

All are type A mtg. except is C. A3337 similar to A but leads come out side.

| Stock No. | Stan. Ne. | Primary | Secendary | Watts | In. MtE. Centers | Shpe. Wt. |  | $\begin{aligned} & \text { Each } \\ & 10.24 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 3378137 | A2312 | 14,000CT | 4 | 10 | 278 | $11 / 4$ | 3.67 | 3.30 |
| 33 T 8138 | A2313 | 7,000 | 8 | 10 | 21\% | 1 | 3.36 | 3.03 |
| 33 T 8140 | A3311* | 10KCT | $500 / 16 / 8 / 4$ | 25 | 21/4x2 | $31 / 2$ | 8.13 | 7.32 |
| 33 T 141 | A3327 | 25K | 4 | 5 | 2 | 1/2 | 2.36 | 2.13 |
| 33 T8142 | A3328 | 4.000 | 3.5 | 3 | 17/4 | $1 / 2$ | 1.79 | 1.61 |
| 33 T 143 | A3329 | 8.000 | 3.5 | 3 | 17/4 | $1 / 2$ | 1.86 | 1.67 |
| 3378144 | A3332 | 2.000 | 3.2 | 3 | 11/4 | $1 / 2$ | 1.73 | 1.56 |
| 3371145 | A3337 | 5K | 6-8 | 10 | 23 | 1 | 2.89 | 2.61 |
| 3378146 | A3800* | 5.000 CT | $500 / 250 / 15 / 8 / 4$ | 30 | 2442 | 4 | 8.55 | 7.69 |
| 33 T 1147 | A3801* | 6,600CT | 500/250/15/8/4 | 35 | 212x2K | 41/2 | 10.88 | 9.79 |
| 33 T8148 | 13831 | 10K CT | 8/4/2 | 5 | 2\% | 1 | 3.47 | 3.13 |
| 33 I 8149 | A3857 | 25K CT | 4 | 5 | 2 | 3/4 | 3.05 | 2.74 |
| 33 T 8150 | A3876 | 2.000 | 4 | 5 | 2 | $3 / 4$ | 1.84 | 1.65 |
| 3378151 | 13877 | 5.000 | 4 | 5 | 2 | 3/4 | 1.84 | 1.65 |
| 33 T 8152 | A3878 | 7.000 | 4 | 5 | 2 | $3 / 4$ | 1.92 | 1.73 |
| 3378153 | A3879 | 10,000 | 4 | 5 | 2 | 1/4 | 1.87 | 1.69 |
| 33 T 154 | - 48093 | 10,000CT | 3-4 | 10 | 236 | $1 / 2$ | 2.86 | 2.51 |
| 33 T 8156 | A8114 | 7.600 | 3.2 | 5 | 2 | $1 / 2$ | 2.45 | 2.20 |

FILTER CHOKES
All rated 1500 V . ins. except - are 3000 V . and $\dagger$ are 2000 V .; $\quad 2500 \mathrm{~V}$. All type A mtg, except $\ddagger$ are $C$ and are NV. *are TD, $\Delta$ are BH.

| Stock Mo. | Stan. Mo. | Hys. | Ma | Ohms | Slze | Shpe. Wt. LDs. |  | ach 10-24 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 T 8157 | C. $1001^{*}$ | 10.5 | 110 | 225 | $274 \times 4 \times 24 / 4$ | 2.3 | 4.52 | 4.07 |
| 3378158 | C. 1002 | 15.0 | 75 | 400 | 21/4 $\times 37 / 421 / 4$ | 1.7 | 3.47 | 3.13 |
| 3378159 | C-1003 | 16.0 | 50 | 580 | 2x31/4 $11 / 4$ | 1.1 | 2.62 | 2.36 |
| 33 T 8160 | C. 1080 | 3.5 | 50 | 200 | 1740112x2\% | 0.7 | 2.01 | 1.1 |
| 33 T 8161 | C-1215 | 9.0 | 50 | 500 | 176x27/8x11/2 | 0.7 | 2.08 | 1.87 |
| 33 T 8162 | C. 1279 | 8.5 | 50 | 400 | 156027/0x11/2 | 0.7 | 2.04 | 1.84 |
| 3378163 | C-1325 | 5.0 | 50 | 250 | $15 / 8 \times 27 / 8 \times 11 / 2$ | 0.7 | 2.17 | 1.95 |
| 33 T8164 | C. 1410 * | 4.0 | 175 | 100 |  | 2.4 | 5.93 | 5.34 |
| 33 T 165 | C.1411* | 4.5 | 200 | 80 | 35\%3x346 | 3.5 | 7.12 | 6.41 |
| 33 T 8169 | C. 1515 | 20 | 15 | 900 | 156x2\%/6x11/2 | 0.7 | 2.86 | 2.58 |
| 33 T 8170 | C. 1706 | 4.5 | 50 | 300 | 13622 | 0.4 | 1.64 | 1.48 |
| 33 T8171 | C-1707 | 7.0 | 50 | 550 |  | 0.4 | 1.92 | 1.73 |
| 33 T 8173 | C. 1709 | 8.0 | 85 | 250 | 2x31/4x2 | 1.4 | 2.57 | 2.68 |
| 33 T 8174 | C. 1710 | 7.0 | 150 | 200 | 256x4r21/4 | 2.2 | 4.65 | 4.19 |
| 33 I 8176 | C. $1722^{*}$ | 8.0 | 300 | 80 | $45637 / 434$ | 7.3 | 13.19 | 11.87 |
| 33 T 8177 | C. 23031 | 2.5 | 130 | 100 | 2x34/4 $\times 13 / 4$ | 1.0 | 2.79 | 2.52 |
| 33 T 8178 | C-2304 | 2.3 | 150 | 60 | 2x31/4×17/4 | 1.0 | 2.83 | 2.55 |
| $33 \text { T } 1179$ | C.2305 | 5 | 100 | 300 | 2110x2Y/42\% | 1.5 | 4.55 | 4.10 |
| 33 T 1181 | C-2309 | 3.0 | 150 | 90 | $21 / 4 \times 31 / 4 \times 21 / 4$ | 1.7 | 3.33 | 3.01 |
| 33 T8182 | C-2325 | 2.0 | 200 | 60 | $21 / 4 \times 37 / 4 \times 21 / 4$ | 1.8 | 3.60 | 3.24 |
| 33 T 8183 | C. 2326 | 1.0 | 300 | 43 | $21 / 4 \times 31 / 4 \times 21 / 4$ | 1.7 | 3.60 | 3.24 |
| 33 T 8184 | C-2327 | 1.5 | 200 | 85 | 156x27/9x11/2 | 0.8 | 2.41 | 2.17 |
| $33 \text { I } 8187$ | C-2343 | . 75 | 300 | 32 | 15/3x27/6x11/2 | 0.6 | 2.14 | 1.93 |
| 33 T 8188 | C. 2344 = | 1.5 | 10 | 85 | $11 / 4 \times 21 / 9 \times 11 / 8$ | 0.5 | 1.55 | 1.40 |
| 33 T 189 | C. 2345 | 350 | 5 | 5600 | $2 \times 31 / 4 \times 13 / 4$ | 1.5 | 4.34 | 3.91 |
| 33 T 190 | C-2346m | 35 | 15 | 1800 | 176x21/2x11/4 | 0.5 | 2.15 | 1.94 |
| 33 T 8191 | C.2685 | . 035 | 2 A | . 75 | 2314259821/4 | 1.9 | 4.35 | 3.92 |
| 33 T 1192 | C-2686 | . 025 | 4A | .425 | $3 \times 37 \times 27$ | 3.4 | 7.59 | $6.84$ |
| 33 T 194 | C.2688 | . 01 | 12.5A | . 11 | 31/2×41/4×31/6 | 5.9 | 11.55 | 10.40 |

LINE TO VOICE COIL TRANSFORMER
All are J type Mtg, except which is 0 type Mtg. $\dagger 25 \mathrm{~V}$ Type, $\ddagger 70.7 \mathrm{~V}$ type. 5 power steps in watts.

| Stock No . | Stan. No. | Impedance |  |  | Mtg. Ctrs. | Wt. Lbs. | $\begin{aligned} & \text { Net } \\ & \text { 1-9 } \end{aligned}$ | $\begin{aligned} & \text { Each } \\ & 10-24 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Pri | Sec. | Watts |  |  |  |  |
| 33 T 8001 | A3818 | 1500/1000 | 15/8/4 | 25 | 31/ | 21/2 | 6.13 | 5.52 |
| 33 T8004* | A7947 | 2000/1500/1000/500 | 6-8/3.2 | 8 | 230 | 1/4 | 3.62 | 3.26 |
| 33 T 8006 | A8101 | 500 | 6.8/3.2 | 5 |  | $1 / 2$ | 2.22 | 2.00 |
| 33 T 8008 | A8103 $\ddagger$ | 16/8/4/2/1/0.5§ | 4/8/16 | 16 | 2'\%. | $11 / 2$ | 5.99 | 5.39 |
| $3378016{ }^{*}$ | A8095 $\dagger$ | 5/2.5/1.25/.62/.315 | 4/8 | 16 | 2 | $1 / 2$ | 3.19 | 2.88 |
| 3378017 | A8096 $\dagger$ | 8/4/2/1/0.55 | 4/8/16 | 5 | 2 | 1/4 | 4.67 | 4.21 |
| 33 T 8018 | A8097 $\dagger$ | 16/8/4/2/1/0.55 | 4/8/16 | 8 | 2\%, | $11 / 2$ | 5.75 | 5.17 |

## T.V. POWER TRANSFORMER

TYPE P-8356. Plate voltage 540 V.C.T. at 260 ma; filament windings 5 volt at 3 amps, 6.3 V at 8.8 amps .117 V .60 Hz AC input. Type C mtg. Sire: $37 / 4 \times 33 / 4 \times 31 / \mathrm{B}^{\prime \prime}$. Shpg. wt., $61 / 2 \mathrm{lbs}$.
33 T 8229
Net 14.01

## POLYPEDANCE MODULATION TRANSFORMERS

Fie. A. For transmitters to match class B modulators to class $C$ load impedance. Primaries and secondaries multi-tapped to match loads from 2,000 to 20,000 ohms. Type A.3893. Rated 60 watts, primary and secondary 180 ma . Size: $4 \times 31 / 4 \times 42 / \mathrm{m}^{\prime \prime}$. Shpg. wt. 7 lbs.
33 T 8207
Net 17.30
Type A-3894. Rated 126 watts, with 125 ma . windings. Size: $47 / 4 \times 4 \times 4^{5}{ }^{\prime \prime}$. Shpg. wt., 10 lbs. 33 T 8208

Net 22.70

## MICROPHONE TRANSFORMERS

-4350. Fig. Q. For mike or line to line. Dual primary 500 and 200 ohm sections. C-T. pri. imp. 500/333/125/50. Sec. $500 / 333 / 200 / 125 / 50$. Mtg. Centers $213{ }^{\prime \prime}$. Size: $2 \times 31 / 4 \times 174^{\prime \prime}$.
33 T 8199 Shpg. wt., $1 \mathrm{lb} .1-9$ Net ea, 5.28

$$
10-24 \text { еа. } 4.76
$$

$50-99$ ea. 4.23
Q-4351. Fig. TD. For Mike or line to single grid. Dual primary 500 and 200 ohm sections. Pri. Imp. 500/333/200/124/50. Sec. Imp. 89000 . Turns ratio $1: 13.3$. Mfg. Cirs.
 $\begin{array}{ll}11 / 2 & \mathrm{lbs} . \\ 33 \mathrm{~T} & 201\end{array}$
1.9 ea. 6.01 $10.24 \mathrm{ea}, 5.41$
50.99 ea .4 .81
A-4705. Fig. A. For single button mike to single grid. Pri. imp. 200/70. Sec. Imp. 80,000 . Turns ratio $1: 20 \mathrm{mtg}$. center. 2 ".

33 T 8203
$1-9$ ea. 4.15
10-24 ea. 3.73
25-49 ea. 3.52
50.99 ed. 3.33

## TUBE CHECKER

TRANSFORMER (Fig. A)
P.1834-3 Multiple-secondary type. Pri. 125/ $115 / 105 \mathrm{~V}$. AC. Secondary output volts 1.1/ $1.4 / 1.5 / 2.0 / 2.5 / 3.0 / 3.3 / 4.0 / 5.0 / 6.3 / 7.0 /$ $7.5 / 12 / 20 / 25 / 30 / 35 / 50 / 70 / 85 / 110 / 117$. Size: $270 \times 4 \times 212^{\prime \prime}$. Mtg. ctrs. 3K。". ShDg. wt. $21 / 2$ lbs. Supplied with complete data sheet. 33 T 8204 1.9 ea. $14.40 \quad 10-24$ ea. 12.96

## AIR CONDITIONER

## AUTOTRANSFORMERS

PSU-2000. Especially de signed for use with home air conditioners having is to 1 hp motors ( $1 / 2$ to 1 ton units) Converts 208 volt units to 230 volt line and 230 volt units to a 208 volt line. Supplied with line cord standard 250 volt polarized plug and receptacle. Rated at 2.3 KVA. Size: $31 / 2 \times 33 / 4 \times 61 / 2^{\prime \prime}$ 33 T 8205 Net ea, 21.82 PSU-3000. Similar to PSU-2000 but designed to drive 1 to 2 hp motor used in 1 to 2 ton air conditioners. Converts 208 volt unit to 230 volt of 230 volts unit to 208V. $4 \times 6 \times 41 / 2^{\prime \prime}$. Shpg, wt., 10 lbs.
33 T8206
Net ea, 26.30

# Chicago-Stancor Transformers 

## ISOLATION TRANSFORMERS

Electrostatic shields are ground internally to core. All have 1500 V insul. $\dagger$ Pri. tapped for 125,115 and 105 V with 115 V . Sec. "117. Pri. tapped sec, with sockets for 105.115 and 125 V , $\$ 117 \mathrm{~V}$ Pri. to 117 V sec.

| Stock No. | Stan No. | Fig. | Size | Watts | Wt. Lbs. | Net Each |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | 1.9 | 10.24 | 25.49 | 50.99 |
| 33 T 8238 | P-6160t | KA | 43/4×4 $37 / 8^{\prime \prime}$ | 100 | 7 | 19.07 | 17.17 | 16.21 | 15.26 |
| 33 I 8240 | P.6371 ${ }^{\text {P }}$ | TE | 5\%, $\times 4 \%_{0} \times 41 /{ }^{\prime \prime}$ | 175 | 9 | 24.33 | 21.91 | 20.68 | 19.47 |
| 33 T8241 | P. $6410 \ddagger$ | K | $3 \%_{10} \times 2{ }^{1} \chi_{1} \times 2 \%^{\prime \prime}$ | 50 | 4 | 9.34 | 8.41 | 7.95 | 7.47 |
| 33 T8242 | P.6415* | KC | $53 / 8 \times 41 / 2 \times 53 / 40$ | 350 | 17 | 30.42 | 27.38 | 25.85 | 24.34 |

CONTROL TRANSFORMERS


Automation-type transformer designed to provide trouble-free performance in high speed automatlic equip. Adapted to relays and pilot lamps. Two secondary windings permit series or parallel operation, Primary 115 or $230 \mathrm{~V} 50-60 \mathrm{~Hz}$.

| Stock No. | Mfr. No. | Fig. | Secondary |  | Size | MtE. Ctr, | Wt. Lbs. | Net Each |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Parallel | Series |  |  |  | 1.9 | 10.24 | 25-49 | 50.99 |
| 33 T 8243 | P-6375 | 1 | 6 V at 2A | 12 V at 1 A | $27 / 6 \times 27 / 8 \times 13 / 4^{\prime \prime}$ | " $23 /{ }^{\prime \prime}$ | 1 | 4.04 | 3.63 | 3.44 | 3.24 |
| 3318244 | P-6376 | J | 6V at 4A | 12 V at 2 A | 35/6x $31 / 9 \times 2$ " | 2136 | $11 / 2$ | 4.73 | 4.26 | 4.03 | 3.79 |
| 33 T8245 | P-6377 | J | 12 V at 4 A | 24 V at 2 A | $31 / 8 \times 35 / 8 \times 23 / 8{ }^{\prime \prime}$ | " $31 /{ }^{\prime \prime}$ | $21 / 2$ | 5.89 | 5.31 | 5.01 | 4.71 |
| 33 T8246 | P-6378 | BV | 12 V at 8 A | 24 V at 4 A | $31 / 2 \times 27 / 8 \times 3{ }^{\prime \prime}$ | 21/4"x $21 / 4$ " | $41 / 2$ | 9.57 | 8.62 | 0.14 | 7.66 |
| 33 T 8247 | P-6379 | BV | 12 V at 16A | 24 V at 8 A | $41 / 6 \times 33 / 4 \times 31 / 2^{\prime \prime}$ | " $3 \times 23 / 4^{\prime \prime}$ | - | 15.68 | 14.12 | 13,33 | 12.54 |

VERTICAL OUTPUT TRANSFORMERS
All type $A$, except $i$ is autoformer type. shpg. wt., 2 lbs.

|  | Stan No. | OC Pri | Res Sec | Size | Net Ea. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 33 T 8019 | A-8112 | 1300 | 10 | $2 \times 13 / 4 \times 31 / 4$ | 3.62 |
| 33 T 8021 | A.8115 ${ }^{\text {t }}$ | 600 | 7 | $3 \mathrm{~K}_{1} \times 21 / 2 \times 21 / 2$ | 7.44 |
| 33 T 8022 | A.8123 | 1200 | 11 | $2 \times 13 / 4 \times 31 / 4$ | 3.72 |
| 33 T8024 | A-8141 ${ }^{+}$ | 1650 | 4.5 | $21 / 4 \times 33 / 4 \times 21 / 6$ | 5.28 |
| 33 T 8040 | Vo.108 $\uparrow$ | 350 | 10.3 | $2 \times 31 / 4 \times 2$ | 3.64 |

## VERTICAL BLOCKING OSCILLATORS

1 Vertical blocking oscillators turns ratio 1:4.2
Average shipping weight $1 / 2 \mathrm{lb}$. each.

| Stock No. | Stan No. | Size | Olag. | Net |
| :---: | :---: | :---: | :---: | :---: |
| 33 T $8042 \dagger$ | A-8111 | $11 / 2 \times 21 / 2$ | A | 2.53 |
| 33 T $8044 \dagger$ | A.8122 | $1 K_{0} \times 1 X_{6}$ | TS | 5.11 |
| 33T $8046 \dagger$ | A-8125 | $2 Y_{6} \times 11 / 4$ | A | 2.44 |

## DEFLECTION YOKES

All are ferrite cores, cosine wound, type DY. Shigg. wt., $11 / 2$ lbs.

| Stock No, | Stancor Type | 0efl. | Inducta Horiz. | ce MH vert. | Net | Stock No. | Stancor Type | Oefl. | Inducta Horiz. | MH Vert | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 T 8363 | DY 9A | $70^{\circ}$ | 13.5 | 50. | 10.24 | 33 T 8392 | DY44A | $110^{\circ}$ | 18.5 | 34. | 11.90 |
| 33 T8364 | DY10A | $70^{\circ}$ | 30. | 3.5 | 10.09 | 33 T8393 | 0Y45A | $110^{\circ}$ | 18.6 | 14.8 | 13.20 |
| 33 T 8365 | DY11A | $70^{\circ}$ | 20. | 50. | 11.24 | 33 T 8394 | DY46A | $110^{\circ}$ | 20. | 40. | 12.00 |
| 33 T8367 | DY13A | $90^{\circ}$ | 12.5 | 48. | 11.42 | 33 T8399 | DY51A | $110^{\circ}$ | 18.6 | 15. | 13.20 |
| 33 Y 8368 | DY14A | $70^{\circ}$ | 30. | 3.5 | 10.24 | 33 T 8410 | DY53A | $110^{\circ}$ | 24. | 39. | 13.20 |
| 33 T 8369 | DY15A | $70^{\circ}$ | 25. | 40. | 10.24 | 33 T8411 | DY54A | $110^{\circ}$ | 24. | 40. | 13.20 |
| 33 T 8370 | DY16A | $90^{\circ}$ | 20. | 44. | 11.90 | 33 T 8413 | DY56A | $110^{\circ}$ | 15. | 40. | 12.21 |
| 33 T 8373 | DY23A | $90^{\circ}$ | 20. | 45. | 10.80 | 33 T 8414 | DY57AT | $114^{\circ}$ | 24. | . 70 | 15.00 |
| 3318374 | DY26A | $90^{\circ}$ | 19. | 11.5 | 12.55 | 33 T 8415 | DY58AT | $114^{\circ}$ | 18.5 | 70. | 15.00 |
| 33 T 8375 | DY27A | $110^{\circ}$ | 17.5 | 12.3 | 11.40 | 33 T 8416 | DY59AT | $114^{\circ}$ | 24. | 15. | 13.20 |
| 33 T 8380 | DY32A | $90^{\circ}$ | 24. | 42. | 11.10 | 33 T 8418 | DY61AT | $114^{\circ}$ | 20. | 20. | 13.22 |
| 33 T8386 | DY38A | $110^{\circ}$ | 20. | 34.4 | 11.24 | 33 T8420 | DY62A | $92^{\circ}$ | 12.5 | 48. | 9.00 |
| 33 T 8387 | DY39A | $90^{\circ}$ | 13. | 40. | 10.89 | 33 T8421 | DY63A | $110^{\circ}$ | 18.5 | 13.5 | 13.17 |
| 33 T 8388 | DY40A | $110^{\circ}$ | 12. | 40. | 10.80 | 33 T 8423 | DY64A | $92^{\circ}$ | 12.5 | 44. | 11.40 |
| 33 T 8389 | DY41A | $70^{\circ}$ | 13.3 | 41. | 11.24 | 33 T 419 | DY90AC | $70^{\circ}$ | 12. | 39. | 29.70 |
| 33 T 8390 | DY42A | $110^{\circ}$ | 30.4 | 34. | 10.80 | 33 T 8422 | DY91AC | $90^{\circ}$ | 11.5 | 23.5 | 26.19 |



## EXACT DUPLICATE FLYBACKS

Flg. F. Average shipping wt. $11 / 2 \mathrm{lbs}$. ("coll only).

| Stock No. | Stancor No. | Net |
| :---: | :---: | :---: |
| 3378288 | A8130/H0159 | 10.50 |
| 33 T 8270 | A8131/H0160 | 7.80 |
| 33 T 8259 | A8135/H0164 | 11.42 |
| 33 T 8424 | A8254/H0204 | 8.94 |
| 33 「8257 | A8255/H0205 | 9.84 |
| 33 I 8274 | A8263/HO213 | 8.94 |
| 33 T 8260 | A8292/H0242 | 8.94 |
| 33 T8293 | H0254 | 8.94 |
| 33 I8359 | H0271 | 8.10 |
| 33 T8306 | H0280 | 11.42 |
| 33 I8307 | H0281 | 13.04 |
| 33 I 8425 | H0289 | 9.90 |
| 33 T 8304 | H0293 | 12.00 |
| 33 T8261 | H0301 | 9.84 |
| 33 「8264 | H0304 | 9.00 |
| 33 I 8426 | H0315 | 9.00 |
| 33 T 8333 | H0320 | 9.90 |
| 33 T8427* | H0341 | 3.85 |
| 33 T8313 | H0344 | 9.90 |
| 33 T 8322 | H0346 | 7.29 |


| Stock No. | StancorNo. | Net |
| :---: | :---: | ---: |
| $33 T 8428$ | $H 0351$ | 9.00 |
| $33 T 8344$ | $H 0357$ | 9.00 |
| $33 T 8429$ | $H 0363$ | 9.90 |
| $33 T 8430$ | $H 0364$ | 9.90 |
| $33 T 8431$ | $H 0366$ | 9.90 |
| $33 T 8432$ | $H 0367$ | 9.90 |
| $33 T 8433$ | $H 0375$ | 9.90 |
| $33 T 8434$ | $H 0377$ | 9.90 |
| $33 T 8435$ | $H 0378$ | 9.90 |
| $33 T 8436$ | $H 0379$ | 9.00 |
| $33 T 8437$ | $H 0380$ | 11.90 |
| $33 T 8438$ | $H 0381$ | 9.90 |
| $33 T 8439$ | $H 0382$ | 8.22 |
| $33 T 8440$ | $H 0383$ | 9.00 |
| $33 T 8441$ | $H 0384$ | 9.90 |
| $33 T 8442$ | $H 0385$ | 9.00 |
| $33 T 8443$ | $H 0386$ | 8.52 |
| $33 T 8444$ | $H 0387$ | 8.52 |
| $33 T 8445$ | $H 0388$ | 8.52 |
| $33 T 8446$ | $H 0389$ | 8.10 |


| Stock No. | Stancor No. | Nel |
| :---: | :---: | ---: |
| $33 T 84447$ | $H 0390$ | 8.10 |
| $33 T 8448$ | $H 0391$ | 8.10 |
| $33 T 8449$ | $H 0392$ | 8.10 |
| $33 T 8450$ | $H 0393$ | 8.10 |
| $33 T 8551$ | $H 0394$ | 8.10 |
| $33 T 8452$ | $H 0395$ | 8.10 |
| $33 Y 8453$ | $H 0396$ | 8.10 |
| $33 T 8454$ | $H 0397$ | 9.00 |
| $33 T 8455$ | $H 0398$ | 10.38 |
| $33 Y 8456$ | $H 0402$ | 9.60 |
| $33 T 8457$ | $H 0403$ | 10.20 |
| $33 T 8458$ | $H 0404$ | 6.67 |
| $33 T 8459$ | $H 0405$ | 6.67 |

## COLOR FLYBACKS

| 33 Y 8460 | $H 0600 \mathrm{C}$ | 14.40 |
| :--- | :--- | :--- |
| $33 T 8403$ | $H 0601 \mathrm{C}$ | 13.50 |
| 33 Y 8461 | $H 0602 \mathrm{C}$ | 15.00 |
| 33 Y 8462 | $H 0607 \mathrm{C}$ | 15.00 |

## ACME T8394M VARIABLE VOLTAGE ADJUSTER

300 W . continuous duty varlable transformer. Adjusted by rotary tap sw. Used as step up or step down. Voltmeter shows sec. voltage. Pri. 95/100/105/110/115/120/125 valts at $50 / 60 \mathrm{~Hz}$ Sec. out $115 \mathrm{~V} .8^{\prime}$ cord and plug. Size: $43 / 4 \times 4 \times 5^{\prime \prime}$. Shpg. wt., 9 lbs. 33 T 4001

## PERMA-POWER



AUTOMATIC VOLTAGE REGULATOR
Completely automatic voltage control for color TV or appliances rated up to 400 watts. Simple plug-in installation. Automatically shuts off when set or appliance is not in use. Eliminates picture flutter, shrinking, brilliance loss, and other problems caused by line volfage drops. Shpg. wt., 4 lbs. 32 T 4005

## ATTENTION INDUSTRIAL ACCOUNTS: <br> WE STOCK THE COMPLETE LINE OF General Radio Variacs

Our inventory includes metered types, single phase and 3. phase ganged assemblies, 240 volt ganged assemblies and 400 Hz units.
For prompt attention and off-the-shelf delivery, contact either of our industrial divisions. See page 5 for addresses and phone numbers of unit nearest you.


## STANCOR RECTIFIER TRANSFORMERS

Designed to operate in full-wave center-tapped or bridge type circuits. Each transformer has a tapped primary and a tapped additionat
winding permitting a wide range of output voltages. All are BV mtg type. Primaries are for 117 V 50/60 CPS AC operation. Supplied with wiring chart.


COLOR TV RECTIFIER REPLACEMENTS

* = Silicon, all other selenium

"STACO" INC. "ADJUST-A-VOLT" VARIABLE TRANSFORMERS

Consists of a single layer winding and high grade toroidal coll. Sliding brush taps transformer to permit selection of output vollage. All have other voltage connections, Has zero wave form distortion.

Brush always contacts at least one turn of wire. All except panel types have line cords. Fused with switch and pilot light. All for AC 60 Hz 25 Hz operation reduces output power rating by $50 \%$.

| Stock No. | Mfg. No. | Fic. | Deseription | $\begin{gathered} \text { Max. } \\ \text { Kva } \end{gathered}$ | Input volt. | Qutput |  | $\begin{gathered} \text { Size } \\ \text { Inches } \end{gathered}$ | $\begin{aligned} & \text { Wgt. } \\ & \text { LOS. } \end{aligned}$ | Each | Lots 7 Each | Lots 13 Each |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | Volts | Amps |  |  |  |  |  |
| 33 Y 7001 | PA-1* | A | Portable fused w/switch; pilot light | . 165 | 120 | 0.132 | 1.25 | $37 / 8 \times 37 / 6 \times 34 / 2$ | 3 | 18.50 | 15.75 |  |
| 33 Y 7002 | 100BU | B | Pancl type for panels to $1 / 4^{\prime \prime}$ thich | . 165 | 120 | $0-132 / 0.120$ | 1.25 | $2 y_{2} \times 2 \%_{3}$ | 3 | 10.00 |  | 8.50 |
| 33 Y 7003 | PA-375* | A | Portable fused w/switch; pilot light | . 53 | 120 | 0.140 | 3.0 | 61/2x61/6x | 7 | 21.75 |  | 18.50 |
| 33 Y 7004 | 3008U | C | Panel type for panels to $1 / 2^{\prime \prime}$ thick | 42 | 120 | 0.140/0-120 | 3.0 | 311/6x ${ }^{11 / 16}$ | 5 | 15.50 | 13.20 |  |
| 33 Y 7005 | 5008 \# | D | Enclosed; fused w/switeh \& pilot light | 1.05 | 120 | 0-140/0-120 | 7.5 | 61/2x45/8 | 11 | 28.00 |  | 23.80 |
| 33 T 7006 | 5008U | E | Panel type for panels to $1 / 2^{\prime \prime}$ "thick | 1.05 | 120 | 0-140/0-120 | 7.5 | 5x45/8 | 10 | 20.00 | 17.00 |  |
| 33 T 7013 | 1758U | B | Panel type for panels to $1 / 4^{\prime \prime}$ thick | 23 | 120 | 0.132/0-120 | 1.75 | $2 \%_{3} \times 2{ }^{1} x_{2}$ | 3 | 10.25 |  | . 70 |
| 33 Y 7014 | 3758 BU | E | Panel type for panels to $1 / 2^{\prime \prime}$ thick | . 53 | 120 | 0-140/0-120 | 3.75 | 33/4x33/4 $31 / 4$ | 18 | 15.75 | 13.40 |  |
| 3317010 | T1500U | G | Panel type for panels to $1 / 2^{\prime \prime \prime}$ thick | 2.1 | 120 | 0-140/0-120 | 15.0 |  | 18 | 38.50 | 32.75 |  |
| 33 T. 7007 | 5208* | D | Enclosed, fused with switch, pliot light | . 84 | 240 | 0-280 | 3.0 | $511 / 0 \times 5$ | 10 | 32.50 |  | 27.65 |
| 33 I 7008 | T1520U | 6 | Panel type for panels to $1 / 2^{\prime \prime}$ thick | 2.7 |  | 0.280 | 9.5 | 61/1861/0x4\% | 23 | 38.50 | 32.75 |  |
| 33 I 7011 | IVI-2M | F | Isolated, w/switch, voltmeter. fuse | 28 | 120 | 0-140 | 2 | $63 / 88 Y_{10} \times 8$ | 14 | 78.00 | 65.30 |  |
| 3317012 | IVI-4M | F | Isolated. w/switch, voltmeter \& breaker | . 56 | 120 | 0.140 | 5 | $71 / 2 \times 91 / 2 \times 81 / 4$ | 20 | 89.50 | 76.10 |  |
| 33 Y 7015 | 451 | E | Panel type for panels to $1 / 2^{\prime \prime \prime}$ thick | . 70 | 120 | 0.140/0.120 | 5.0 | $33 / 4 \times 33 / 4 \times 3 \%$ | 11 | 16.00 | 13.60 |  |
| 33 Y 7016 | 1000 | E | Panel type for panels to $1 / 2^{\prime \prime}$ thick | 1.4 | 120 | $0.140 / 0.120$ | 10.0 | 5\%, $\times 5 \times 4 \%_{6}$ | 11 | 20.50 | 17.45 |  |
| 33 Y 7017 | IVI.9M | F | Isolated w/switch, voltmeter \& breaker | 1.26 | 120 | 0.140 | 9.0 | $91 / 4 \times 101 / 4 \times 112$ |  | 110 | 93.50 |  |

## Ohmite Power Controls - Rheostats - Potentiometers

TYPE CMU MIL RV4N unslotted shaft, CLU has locking type slotted shaft. All $10 \%$ tolerance except - are $20 \%$

All have linear taper. $1 / z^{\prime \prime}$ diam. with $1 / 0^{\prime \prime}$ slotted shaft $1 / 4^{\prime \prime}$ in dia.

| Stock No. | Ohms |  | No. | hms | Mfr. Ne. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 T 8001 | 50 | CMU.5001 | 30 T8017 | 35.000 | CM |
| 30 T 8002 | 100 | CMU. 1011 | 39 T 8018 | 50,000 | CMU-5031 |
| 30 T 8003 | 150 | CMU. 1511 | 30 T 8019 | 75,000 | CMU-7531 |
| 30 T 8004 | 250 | CMU-2511 | 30 T 8020 | 1 Meg . | MU-1041 |
| 30 T 8005 | 50 |  | 30 T 8021 | . 15 Meg . | MU-1541 |
| 30 T 8006 | 500 | CMU | 30 T 8022 | . 25 Meg |  |
| 30 T 8007 | 750 | CMU. 7511 | 30 T 8023 | . 35 Meg . | CMU-3541 |
| 30 T 8008 | 1,000 | CMU-1021 | 30 T 8024 | 5 Meg . | CMU-5041 |
| 30 T 8009 | 1,500 | CMU-1521 | 30 T 8025* | . 75 Meg. | CMU-7542 |
| 30 T ¢ | 2,500 | CMU-2521 | 30 T 8026* | 10 Meg | CMU-1052 |
| 30 T 8011 | 3,500 | CMU-3521 | 30 「 8027* | 1.5 Meg. | CMU-1552 |
| 30 T 8012 | 5,000 | CMU. 5021 | 30 T 8028* | 2.0 Meg . | MU. 2052 |
| 30 T 8013 | 7,500 | CMU-7521 | 30 T 8029* | 2.5 Meg . | MU-2552 |
| 30 T 8014 | 10,000 | CMU-1031 | 30 T8030** | 3.5 Meg . | CMU-3552 |
| 30 T 8015 | 15,000 | CMU. 1531 | 30 T 8031 * | 5.0 Meg. | CMU-5052 |
| 30 T 8016 | 25,000 | , |  |  |  |
| Any of above in lots of 100, Ea, 1.46; Singly, Ea. |  |  |  |  |  |

## TYPES CU-LINEAR TAPER



| Stock N | 0 hms | Mfr. No . | Stock No. | Ohms | O. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 Y 8063 |  | CL. 5001 | 30 T 8079 | 35.000 | T |
| 30 T 8064 | 100 | CU. 1011 | 30 T 8080 | 50,000 | CU-5031 |
| 30 T 8065 | 150 | CU-1511 | 30 T 8081 | 75,000 | CU-7531 |
| 30 T 8066 | 250 | CU-2511 | 30 T 8082 | .1 Meg | CU-1041 |
| 30 T 8067 | 350 | CU-3511 | 30 T 8083 | . 15 Meg | CU-1541 |
| 30 T 8068 | 500 | CU-5011 | 30 T 8084 | . 25 Meg | CU-2541 |
| 30 T 8069 | 750 | CU. 7511 | 30 T 8085 | . 35 Meg | CU-3541 |
| 30 T 8070 | 1000 | CU-1021 | 30 T 8086 | ${ }^{5} 5 \mathrm{Meg}$ | CU-5041 |
| 30 T 8071 | 1500 | CU-1521 | 30 T 8087* | .75 Meg | CU-7542 |
| 30 T 8072 | 2500 | 521 | 30 T 8088** | 1 Meg | 052 |
| 30 T 8073 | 3500 | $\mathrm{CU}-3521$ | 30 T 8089* | 1.5 Meg | Cu 15 |
| 30 T 8074 | 5000 | $\mathrm{CU}-5021$ | 30 T 8090* | 2 Meg | CU- 2052 |
| 30 T 8075 | 7500 | CU. 7521 | 30 T8091* | 2.5 Meg | CU-2552 |
| 30 T 8076 | 10,000 | CU -1031 | $301809{ }^{*}$ | 3.5 Meg | CU-3552 |
| 30 T 8077 | 15,000 | $\mathrm{CU}-1531$ | 30 T 8093* | 5 Meg | CU-5052 |
| 78 | 25,0 | Cu |  |  |  |



OHMITROL SOLID STATE POWER CONTROLS


- Smallest 1 KW \& 2 KW Controls Available

OHMITROL solid-state power controls are adaptable to a variety of applications because the built-in trimmer sets the starting point of the control voltage anywhere between 0 and 70 volts for 1 KW models; $0-200 \mathrm{~V}$ on 2 kW models. Smooth control from start to full line voltage. On-off line switch at end of control knob rotation. 2 -way terminals accept quick-connectors or soldering. Output is RFI filtered. Component models mount with $3 / \mathbf{/ g}^{\prime \prime}-32$ bushing on aluminum panel for heat sink. Portable models are self-contained. Sizes: component models $13 / 4^{\prime \prime}$ sq. x $1^{\prime \prime}$ behind panel; portable models: $41 / 4 \mathrm{~L} \times 31 / 4 \mathrm{Wx} 1^{12} \mathrm{~K}_{6}{ }^{\circ} \mathrm{D}$. Average shpg. wt., 1 to 3 lbs .

COMPONENT MODELS

|  | Stock No. | Ohmite No. | $\begin{aligned} & \text { iuput } \\ & 60 \mathrm{~Hz} . \end{aligned}$ | Load Rating | Output | Trimmer Range | $1.9$ | $\begin{aligned} & \text { ice } \\ & 10.24 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 018185 | PCA-1000 | 120VAC | 1KW,8.3A | 0-120VAC | 0.70V | 17.14 | 15.43 |
|  | T 8186 | PCA-1020 | 240VAC | 2KW.8.3A | 0-240VAC | 0.200V | 22.40 | 20.16 |
|  | T 8187 | PCD-1000 | 120 VAC | $1 \mathrm{KW}, 8.3 \mathrm{~A}$ | 0-120VDC pulsating | $0-70 \mathrm{~V}$ | 31.84 | 28.66 |
| 30 | 0 T 8188 | PCO-1020 | 240VAC | 2KW,8.3A | $0.240 \mathrm{VDC}$ | 0.200V | 36.70 | 33.30 |

PORTABLE MODELS
30 T 8189 PCA-1001 120VAC $1 \mathrm{KW}, 8.3 \mathrm{~A} \quad 0-120 \mathrm{VAC} \overline{0.70 \mathrm{~V}} 25.3622 .82$ 30 T 8190 PCA-1021 240VAC $2 \mathrm{KW}, 8.3 A \quad 0-240 \mathrm{VAC}$ 0 -200V 32.5629 .30 30 T 8191 PCD-1001 120VAC $1 \mathrm{KW}, 8.3 \mathrm{~A}$ 0.120VDC 0 0-70V 42.5638 .30 30 T. 8192 PCD-1021 240VAC 2KW,8.3A 0 0-240VDC $0-200 \mathrm{~V} 48.4043 .56$ pulsating

Locking type with nut and slotted shaft. $1 \% z^{\prime \prime}$ dia. All have linear taper.

| Stock No. | Ohms | Mfr. No. | Stock No. | Ohms | Mfr, No |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 T 8032 | 50 | CLU-5001 | 30 T 8048 | 35,000 | CLU-3531 |
| 30 T 8033 | 100 | CLU-1011 | 30 T 8049 | 50,000 | CLU-5031 |
| 3018034 | 150 | CLU-1511 | 30 T 8050 | 75,000 | CLU-7531 |
| 30 T 8035 | 250 | CLU-2511 | 30 T 8051 | . 1 Meg. | CLU-1041 |
| 30 T 8036 | 350 | CLU-3511 | 30 T 8052 | . 15 Meg . | 41 |
| 30 T 8037 | 500 | CLU-5011 | 30 T 8053 | . 25 Meg . |  |
| 30 T 8038 | 750 | CLU-7511 | 30 T 8054 | . 35 Meg . | LU. 3541 |
| 30 T 8039 | 1,000 | CLU-1021 | 30 T 8055 | ${ }^{5} 5 \mathrm{Meg}$. | CLU-5041 |
| 30 T 8040 | 1,500 | CLU-1521 | 30 T 8056** | .75 Meg . | CLU. 7542 |
| 30 T 8041 | 2,500 | CLU-2521 | 30 T8057* | 1.0 Meg . | U-1052 |
| 30 T 8042 | 3.500 | CLU-3521 | 30 T 8058* | 1.5 Meg. | CLU1552 |
| 30 T 8043 | 5,000 | CLU. 5021 | 30 T 8059* | 2.0 Meg . | CLU-2052 |
| 30 T 8044 | 7,500 | CLU. 7521 | 30 T 8060* | 2.5 Meg . | LU-2552 |
| 30 T 8045 | 10,000 | CLU-1031 | 30 T 8061 * | 3.5 Meg. | L. 3552 |
| 30 T 8046 | 15,000 | CLU. 1531 | 30 T 8062* | 5.0 Meg. | LU. 505 |
| 30 T 8047 | 25,000 | CLU-2531 |  |  |  |
|  |  |  | ,90; | E. | 2.55 |

CA and CB-LOGARITHMIC TAPERS
Type CA is clackwise; CB is counterclockwise. $2^{\prime \prime}$ Round, $1 / 4^{\prime \prime}$ Shait,


| Stock $\mathrm{Ho}^{\text {o }}$ | Oh |  | Sto | Ohms |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 T 8094 | 10.000 | CB. 1031 | 30 T 8098 | 250,000 | CA.2541 |
| 30 T 8095 | 25,000 | C8-2531 | 30 T 8099 | 500,000 | CA-5041 |
| 30 T 8096 | 50,000 | C8-5031 | 30 T $8101 *$ | 1 Meg | CA. 1052 |
| 30 T 8097 | 100,000 | CA-1041 | $30 \mathrm{~T} 8102^{*}$ | 2.5 Meg | CA. 2552 |
|  |  |  |  |  | 2.2 |

## TYPE CCU LINEAR TAPER DUALS

| Steck No. | Qhms | Mtg. NO. | Stock No. | Ohms | Mtr. No. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 T 8103 | 10,000 | CCU-1031 | 30 T 8107 | 250,000 | CCU 2541 |
| 30 T 8104 | 25.000 | CCU-2531 | 30 T 8108 | 500,000 | CCU. 5041 |
| 30 T 8105 | 50,000 | CCU. 5031 | 30 T $8109 *$ | 1 Meg. | CCU- 1052 |
| 30 T 8106 | 100,000 | CCU-1041 | 30 1 aros |  |  |
| Any of above in lots of 100, Ea, 4.40; Singly |  |  |  |  |  |

SPST Switch for CMU, CU, CA, CB, CLU
30 T 8110
Net ea. . 66


WIREWOUND INDUSTRIAL RHEOSTATS Vitreous enamel rheostat with copper graphite control brush except silver-graphite contact brush. Ohmages above 5000 have silicone ceramic coating. Ratings indicated are at full setting. Less knob. Avg shpg. wt., 10 oz .

| 1 |  |
| :---: | :---: | :---: |
| 0 | 0 hms |
| 1 |  |


| MDOEL H-25 WATT 1\%6" dia. |  |  |  |
| :---: | :---: | :---: | :---: |
| MDOEL H.25 <br> 13/8" deep <br> Stock No. |  | Net Each |  |
|  | Mfr. No. | 1.4 | 5-9 |
| 30 T 8139 | 0140* | 5.05 | 4.39 |
| 30 T 8140 | $0141 *$ | 5.05 | 4.29 |
| 30 T 8141 | 0142* | 5.05 | 4.29 |
| 30 T 8142 | 0143* | 5.05 | 4.29 |
| 30 T 8143 | 0144* | 5.05 | 4.29 |
| 30 T 8144 | 0145* | 5.05 | 4.29 |
| 30 T 8145 | 0146 | 4.55 | 3.87 |
| 30 T 8146 | 0147 | 4.55 | 3.87 |
| 30 T 8147 | 0148 | 4.55 | 3.87 |
| 30 T 8148 | 0149 | 4.55 | 3.87 |
| 30 T 8149 | 0150 | 4.55 | 3.87 |
| 30 T 8151 | 0151 | 4.55 | 3.87 |
| 30 T 8152 | 0152 | 4.55 | 3.67 |
| 30 T 8153 | 0153 | 4.55 | 3.87 |
| 30 T 8154 | 0154 | 4.55 | 3.87 |
| 30 T 8155 | 0155 | 4.55 | 3.87 |
| 30 T 8156 | 0156 | 4.55 | 3.87 |
| 30 T 8157 | 0157 | 4.55 | 3.87 |
| 30 T 8158 | 0158 | 5.05 | 4.29 |
| 30 T 8159 | 0159 | 5.05 | 4.29 |
| 30 T 8160 | 0160 | 5.05 | 4.29 |
| 30 T 8161 | 0161 | 5.35 | 4.55 |
| 30 T 8162 | 0162 | 5.35 | 4.55 |
| 30 T 8163 | 4200 | 5.55 | 4.72 |
| 30 T 8164 | 4201 | 5.55 | 4.72 |
|  |  | 6.05 | 5.14 |
| 30 T 8165 | 4202 | 6.05 | 5.14 |
| 30 T 8166 | 4203 | 6.80 | 5.78 |
| 3018167 | 4204 | 7.50 | 6.38 |

5150 Knob for Model H
30 T 8138 ..................Net ea, . 30 T $8168 . . . . . . . . . . . . . . . . N e t ~ e a, ~ . ~ 30 ~$

## LAFAYETTE－CLAROSTAT \＆MALLORY Controls



MALLORY T and L－ PAD ATTENUATORS L－PADS


For Level Control of low impedance audio circuits．Rated at 15 watts peak audio． 4 watts D．C．Accessories furnished：one bar knob．one dial plate，with matched rotation，one nut，one lock washer．Bushing


| Stock No． | Mfe．No． | Ohms | Stock No． | Mfe．No． | Ohms |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 33T1375 | 12 | 2 | 33 T 1383 | 1250 | 250 |
| 3311376 | 14 | 4 | 33 T 1384 | 1500 | 500 |
| 33 T 1177 | 16 | 6 | 33 T 1385 | 1600 | 600 |
| 33 T 1378 | 18 | 8 | 33 T 1386 | 11000 | 1 K |
| 33 T 1379 | 115 | 15 | 33 T 1387 | 12000 | 2 K |
| 33 T 1380 | 150 | 50 | 33 T 1388 | 13000 | 3 K |
| 33 T1381 | L100 | 100 | 33 T 1389 | 14000 | 4 K |
| 33 T 1382 | 1200 | 200 |  |  |  |
| Singly Each |  |  |  |  | 2.73 |

Lots of 25.2 .46 Ea ． Lots of $100,2.05 \mathrm{Ea}$ ．

## LA－PADS

Same as above with a $\#$＂$-32 \times 1^{\prime \prime}$ Bushing． 2 nuts， 2 lock washers， $11 / 2 \times 11 / 2^{\prime \prime}$ dial plate．Shpg．wt．， 8 oz ．

| Stock No． | Mfe．No． | 0 hms | Slock No． | Mfe．No． | Ohms |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 33 T 1390 | L8A | 8 | 33 T 1391 | L16A | 16 |
| Singly Each |  |  |  |  | 2.85 | Singly Each ．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．（No Assortment）

Lots of $10,2.71$ Ea．
Lots of $25,2.57 \mathrm{Ea}$ ． Lots of $50,2.37 \mathrm{Ea}$ ．

Lots of $100,2.14 \mathrm{EA}$ ．

| Stock No． | Mfe．No． | Ohms | Stock No． | Mfi．No． | Ohms |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 33 Y 1393 | 416 | 16 |
| 33 T 1392 | 148 | 8 | 33 T 1394 | LL50 | 50 |
| Singly Each |  |  |  |  | 5.70 | Quantity Prices（No Mssoriment）

Lots of $10,5.42 \mathrm{Ea}$ ．
Lots of 25，5．13 Ea． Lots of $50,4.75 \mathrm{Ea}$ ．

Lots of $100,4.26$ Ea．

| Stack No． | Mfe．No． | Ohms | Stock No． | Mig．No． | Ohms |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 33 T 1395 | 12 | 2 | 33 T 1403 | T200 | 200 |
| 33 T 1396 | 14 | 4 | 33 T 1404 | T250 | 250 |
| 33 T 1397 | 76 | 6 | 33 T 1405 | 7500 | 500 |
| 33 T 1398 | 18 | 8 | 33 T 1406 | 1600 | 600 |
| 33 T 1399 | 715 | 15 | 33 T 1407 | T1000 | 1K |
| 33 T 1401 | T50 | 50 | 33 T 1408 | 12000 | 2K |
| 33 T 1402 | T100 | 100 | 33 T 1409 | T3000 | 3K |
| Singly Each |  |  |  |  | 3.54 |

Lots of $10,3.36 \mathrm{Ea}$ ．
Luis of $50,2.95$ Ea
ots of $25,3.19 \mathrm{Ea}$ Lots of $100,2.66 \mathrm{Ea}$ ．

CLAROSTAT 4．WATT WIRE－WOUND CONTROLS SERIES 58C－1
Highly stable，smooth operating linear con－ trols．Electrical tolerance $\pm 5 \%$ for all ohmages． Rated 4 watts．Shafts are $15 /^{\prime \prime} \mathrm{L}$ ．x $1 / 2^{\prime \prime} \mathrm{D}$
 $1^{\prime \prime}$ deep max．Shpg．wt．， 402.

| No | Type | Onraage | Net | Stock No． | Type | Ohmage |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 T 7239 | 58 | 1） | 2.25 | 32 T 7255 | 58C1－400 | 400 |  |
| 32 T 7240 | 58C1－2 | 2 | 2.25 | 32 T 7256 | 58C1－500 | 500 | 2.25 |
| 32 T 7241 | 58C1－4 | 4 | 2.25 | 32 T7257 | 58 Cl .750 | 750 | 2.25 |
| 32 T 7242 | 58C1－6 | 6 | 2.25 | 32 「 7258 | 58C1－1000 | 1 K | 2.25 |
| 32 T 7243 | 58C1－10 | 10 | 2.25 | 32 「 7259 | 58C1－1500 | 1.5 K | 2.25 |
| 32 T 1244 | 58C1－15 | 15 | 2.25 | 32 T 7260 | 58C1－2000 | 2 K | 2.25 |
| 32 T 7245 | 58C1－20 | 20 | 2.25 | 32 T 7261 | 58C1－2500 | 2.5 K | 2.25 |
| 32 T 7246 | 58C1－25 | 25 | 2.25 | 32 「 7262 | 58C1－3000 | 3K | 2.25 |
| 32 T 7247 | 58C1－30 | 30 | 2.25 | 32 T 7263 | 58C1－5000 | 5K | 2.25 |
| 32 T7248 | 58C1－40 | 40 | 2.25 | 32 T 7264 | 58C1．7500 | 7．5K | 2.25 |
| 32 T 7249 | 58C1－50 | 50 | 2.25 | 32 T 7265 | 58C1－10K | 10K | 2.25 |
| 32 T 7250 | 58C1－60 | 60 | 2.25 | 32 T 7266 | 58C1－15K | 15 | 2.55 |
| 32 T 7251 | C1－75 | 75 | 2.25 | 32 T7267 | 58Cl－20K | 20K | 2.55 |
| 32 T 7252 | 58C1－100 | 100 | 2.25 | 32 T 7268 | 58C1－25K | 25K | 2.55 |
| 32 T 7253 | 58C1－200 | 200 | 2.25 | 32 T 7269 | 58C1－30K | 30K | 3.00 |
| T 7254 | 58C1－300 | 300 | 2.25 | 32 T 7270 | 58C1－40K | 40K | 3.00 |
|  |  |  |  | 32 T 727 | 58C1．50K |  | 3.00 |

## MALLORY VW SERIES SUBMINIATURE 5 －WATT WIRE WOUND

Wire wound control rated at 5 watts． Break down voltage 900VAC RMS．Linear taper $\pm 10 \%$ tol．Dim． $34^{\prime \prime \prime}$ dia．$\times 7 / \%^{\prime \prime}$ depth． $2 / 4^{\prime \prime}$ shaft dia．Bushing dia． $3 \not \mathbf{k}^{\prime \prime}$ with $32 \times 3 /{ }^{2}$＂thread．Shpg．wt． $11 / 2$ o2．No assortment for quantity prices．

| Stock Mo． | Ohms | Each | $\begin{aligned} & 10 \\ & 49 \end{aligned}$ | $\begin{aligned} & 50 \\ & 59 \end{aligned}$ | Stagh Me． | Ohms | $\begin{gathered} \text { Each } \\ 1.9 \end{gathered}$ | $\begin{aligned} & 10 \\ & 49 \end{aligned}$ | $\begin{array}{r} 50- \\ 99 \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 T1326 | 1 | 1.38 | 1.24 | 1.15 | 33 T 1344 | 300 | 1.38 | 1.24 | 1.15 |
| 33 T1327 | 2 | 1.38 | 1.24 | 1.15 | 33 T 1345 | 400 | 1.38 | 1.24 | 1.15 |
| 33 T 132\％ | 3 | 1.38 | 1.24 | 1.15 | 33 T 1346 | 500 | 1.38 | 1.24 | 1.15 |
| 33 T 1329 | 5 | 1.38 | 1.24 | 1.15 | 33 T 1347 | 600 | 1.38 | 1.24 | 1.15 |
| 33 T 1330 | 6 | 1.38 | 1.24 | 1.15 | 33 T 1348 | 750 | 1.38 | 1.24 | 1.15 |
| 33 T 1331 | 8 | 1.38 | 1.24 | 1.15 | 33 T 1349 | 1k | 1.38 | 1.24 | 1.15 |
| 33 T 1332 | 10 | 1.38 | 1.24 | 1.15 | 33 โ 1350 | 1500 | 1.44 | 1.30 | 1.20 |
| 33 T 1333 | 15 | 1.38 | 1.24 | 1.15 | 33 T 1351 | 2K | 1.44 | 1.30 | 1.20 |
| 33 T 1334 | 20 | 1.38 | 1.24 | －1．15 | 33 T 1352 | 2500 | 1.44 | 1.30 | 1.20 |
| 33 T 1335 | 25 | 1.38 | 1.24 | 1.15 | 33 T 1353 | 3K | 1.44 | 1.30 | 1.20 |
| 33 T 1336 | 30 | 1.38 | 1.24 | 1.15 | 33 T 1354 | 4K | 1.44 | 1.30 | 1.20 |
| 33 T 1337 | 40 | 1.38 | 1.24 | 1.15 | 33 T 1355 | 5K | 1.44 | 1.30 | 1.20 |
| 33 T 1338 | 50 | 1.38 | 1.24 | 1.15 | 33 T 1356 | 7500 | 1.50 | 1.35 | 1.25 |
| 33 T 1339 | 60 | 1.38 | 1.24 | 1.15 | 33 T 1357 | 10K | 1.50 | 1.35 | 1.25 |
| 33 T 1340 | 75 | 1.38 | 1.24 | 1.15 | 33 T1358 | 15K | 1.56 | 1.40 | 1.30 |
| 33 T 1341 | 100 | 1.38 | 1.24 | 1.15 | 33 T 1359 | 20 K | 1.56 | 1.40 | 1.30 |
| 33 T 1342 | 200 | 1.38 | 1.24 | 1.15 | 33 T 1360 | 25k | 1.65 | 1.49 | 1.38 |
| 33 T 1343 | 250 | 1.38 | 1.24 | 1.15 |  |  |  |  |  |

## CLAROSTAT CONSTANT

IMPEDANCE 10－WATT
 ATTENUATORS

Series CIB rated at 10 －watts but will hande up to 30 －watts in audio circuits．Linear attenuation provided in 3 db steps uo to 24 dbl ．then 30 db followed by infinity． Supplied with dial plate and bar knob．One hole mounting $3^{\prime \prime \prime}$ bushing dia． $1^{\prime \prime}$ shaft． Shpg．wt． 402.

| $\mathbf{S t o c k}$ No． | Ohms | Stock No． | Ohms |
| :--- | :---: | :--- | ---: |
| 32 T 7283 | 6 | 32 T 7371 | 200 |
| 32 T 7284 | 8 | 32 T 7372 | 250 |
| 32 T 7285 | 15 | 32 T 7373 | 500 |
| 32 T 7286 | 50 | 32 T7374 | 600 |
| Any type above |  | Each 7.70 |  |

## TV FOCUS CONTROLS

4 watt wire wound control． linear taper．Size： $15 / \mathrm{B}^{\prime \prime}$ dia．
with $2^{\prime \prime} \times 1 / 4^{\prime \prime}$ dia．shaft．Wt．， 4 ot.

| Stock No． | Mfg．No． | Ohms |
| :--- | :--- | :--- |
| 33 T 1304 | TVF 140 | 1500 |
| 33 T 1305 | TVF 143 | 2500 |
| Net Each |  |  |

## LAFAYETTE L PADS

L pads for use as＂bril． liance＂controls to vary tweeter level，or as ＂presence＂controls to vary midrange speaker level．Both wire－wound elements are concentrically mounted with－ in one plastic housing．With gold－fin－ ished metal escutcheon plate，mig．screws． and attractive black knob．Size：1K．＂dla． $7 / \mathrm{g}^{\prime \prime}$ deep（less shaft）， $21 / 2^{\prime \prime}$ deep overall． Imported．Shpg．wt．， 602. $L$ Dad for 8 ohm circuits
99 T 6134
Net 1.39
L pad for 16 ohm circuits 99 T 6135 Net 1.39

## OUTDOOR SPEAKER CONTROLS

8 watt audio potentiome． ters．Size： $11 /{ }^{\prime \prime}$ dia．with $3 / 4^{\prime \prime}$ long $1 / 4^{\prime \prime}$ dia．shaft．

$\qquad$
 Shpg．wt．， 4 ozs．

| Stock No． | Mfe．No． | Ohms | Net |
| :--- | :--- | :--- | :--- |
| 33 T 1223 | TSA－10 | $4.0 h \mathrm{~m}-\mathrm{L}$ Pad | 1.35 |
| 33 T 1224 | TSA－35 | 35 | 1.35 |
| 33 T 1225 | TSA－6 | 6 | 1.14 |

## LAFAYETTE T PAD

Constant impedance control to adjust speaker volume．With brass satin plate for wall mount． ing．With all parts and instruc－ tions．Impedance： 8 ohms．Im－ ported．Shpg．wt．， 10 oz ． 99 T 6136

## LAFAYETTE $1 / 2$ WATT AUDIO TAPER CONTROLS WITH SWITCH

## As Low As <br> $42^{c}$

Popular Universal Replacement Controls
$11 / \mathrm{s}^{\prime \prime}$ dia．control with $1 / 4^{\prime \prime}$ dia．， $21 / 2^{\prime \prime} \mathrm{L}$ ， round shaft．Control rated $1 / 2$ watt audio； switch rated 3 amp．－ 125 V ．（AC／DC）． Bushing： $1 / 8^{\prime \prime}-32 x^{3 / 8 "}$ ．Complete with hard－ ware．imported．Shpg．wt．， 3 oz. 32772871 meg．

Lots of 10
ea． 49
32 T $72881 / 2$ meg．
Lots of 10

## 

 Fin| LAFAYETTE $1 / 2$ WATT <br> AUDIO TAPER CONTROLS WITH SWITCH <br> As Low As $42^{c}$ <br> Popular Universal Replacement Controls <br> $11 / s^{\prime \prime}$ dia．control with $1 / 4^{\prime \prime}$ dia．， $21 / 2^{\prime \prime} L$ ， round shaft．Control rated $1 / 2$ watt audio； switch rated 3 amp．－ 125 V ．（AC／OC）． Bushing： $1 / 8^{"}-32 x^{3 / 8} \mathbf{s}^{\prime \prime}$ ．Complete with hard－ ware．Imported．Shpg．wt．， 3 oz ． <br> 32772871 meg． <br> ea．． 49 <br> Lots of 10 <br> ea．． 42 <br> 32 T $7288 \frac{1}{2}$ meg． <br> ea．． 49 <br> Lots of 10 <br> ea．． 42 |  |
| :---: | :---: |
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## Mallory Controls

## EXPLANATION OF MALLDRY TAPERS

Taper No. 1-For audio or antenna shunt circuits.
Taper No. 2-For Series circuits or cathode voltage controls. Taper No. 4 -Linear taper for voltage divider circuits.

## MALLORY MIDGETROL



Carbon element Midgetrols are rated 1 watt linear or $1 / 2$ watt audio. Size "体" dia. with $23 /{ }^{3}$ " long $x 1 / 4$ " dia. round shafts. Shaft can be easily cut to any required length. Supplied with two shafts and knob adaptors for knucled and push-on-knobs, one Palnut and instruction sheet. Shpg. wi., 302.

| Stoch No. | Mf. Ne. | Ohms | Tpr. | Stoch No. | Mfs. No. | Ohms | Tpr. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 T 1110 | U.1 | 100 | 4 | 33 T 1137 | U-36 | 75K | 1 |
| 33 T 1111 | U-2 | 500 | 4 | 33 T 1138 | U-39 | 100K | 1 |
| 33 T 1151 | U-52R | 500 | 2 | 33 T 1139 | U-40 | 100K | 2 |
| 33 T 1112 | U.751R | 750 | 2 | 3311140 | U-41 | 100K | 4 |
| 33 T 1113 | U-3 | 1K | 2 | 33 T 1141 | U-415 | 125K | 4 |
| 33 T 1114 | U-4 | 1K | 4 |  |  |  |  |
| 33 T 1115 | U-5 | 1500 | 2 | 33 T 1142 | U-42 | 150K | 1 |
| 33 T 1116 | U-5L | 1500 | 4 | 33 T 1143 | U-43 | 200K | 4 |
| 33 T 1117 | U-6 | 2K | 4 | 33 T 1144 | U-44 | 250K | 1 |
| 33 T 1118 | U. 7 | 2500 | 2 | 33 T 1145 | U-45 | 250K | 2 |
| 33 T 1119 | U-8 | 3K | 4 | 33 T 1146 | U-46 | 250 K | 4 |
| 33 T 1120 | U-9 | 3K | 2 | 33 T 1147 | U-48 | 500K | 1 |
| 33 T 1121 | U-12 | 5K | 1 | 33 T 1148 | U-50 | 500K | 4 |
| 33 T 1122 | U-14 | 5K | 4 | 33 T 1149 | U. 51 | 750K | 1 |
| 33 T 1123 | U. 18 | 10K | 1 | 33 T 1150 | U-52 | 1 Meg. | 2 |
| 33 T 1124 | U-19 | 10K | 2 |  |  |  |  |
| 33 T 1125 | U-20 | 10K | 4 | 33 T 1152 | U. 53 | 1 Meg. | 1 |
| 33 T 1126 | U-21 | 15K | 1 | 33 T 1153 | U.54 | 1 Meg. | 4 |
| 33 T 1127 | U-22 | 15K | 2 | 33 T 1154 | U. 155 | 1.5 Meg . | 4 |
| 33 T 1128 | U-24 | 20K | 1 | 33 T 1155 | U. 55 | 2 Meg . | 1 |
| 33 T 1129 | U-26 | 20K | 4 | 33 T 1156 | U-56 | 2 Meg . | 4 |
| 33 T 1130 | U-28 U-28A | 25K | 2 | 33 T 1157 | U-255 | 2.5 Meg . | 4 |
| 33 T 1131 | U-28A | 25K | 1 | 33 T 1158 | U-57 | 3 Meg . | 1 |
| 33 T 1132 | U-29 | 25K | 4 | 33 T 1159 | U-59 | 3 Meg. | 4 |
| 33 T 1133 | $\mathrm{U}-30$ $\mathrm{U}-33$ | 30K | 4 | 33 T 1160 | U-63 | 5 Meg . | 2 |
| 33 T 1134 | U-33 | 50K | 1 | 33 T 1161 | U. 65 | 5 Meg . | 1 |
| 33 T 1135 | U. 34 | 50K | 2 | 33 T 1162 | U. 67 | 5 Meg. | 4 |
| 3311136 | U. 35 | 50K | 4 | 33 T 1163 | U-82 | 10 Meg . | 4 |

Any of above
QUANTITY PRICES-NO ASSORTMENT
Lots 25, ea. . 92
Singly Ea. 1.02
ots 100, ea .97
Lots 50 , ea. . 85 Lots 175, ea. . 73

## SINGLE TAPPED MIDGETROLS

| Stock No. | Mfs. No. | Ohms | Tap | Stock No. | $\begin{aligned} & \text { Mfs. } \\ & \text { No. } \end{aligned}$ | Ohms | Tap |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 T 1164 | UT-153 | 15K | 10K | 33 T 1174 | UT-438 | 1 Meg . | 300K |
| 33 T 1165 | UT-415 | 30K | 25K | 33 T 1175 | UT-443 | 1 Meg . | 450 K |
| 3311166 | UT-420 | 250K | 50K | 33 T 1176 | UT-450 | 2 Meg . | 125K |
| 33 T 1167 | UT-421 | 250 K | 150K | 33 T 1177 | UT-448 | 2 Meg - | 250K |
| 33 T 1168 | UT-425 | 350 K | 70K | 33 T 1178 | UT-454 | 2 Meg . | 400K |
| 33 T 1169 | UT-429 | 500K | 50K | 33 T 1179 | UT-449 |  |  |
| 33 T 1170 | UT-427 | 500 K | 100K | 33 T 1180 | UT-451 | 2 Meg . | 00K |
| 33 T 1171 | UT 430 | 500K | 150 K | 33 T 1181 | UT-457 | 3 Meg . | 900K |
| 33 T 1172 | UT-431 | 500K | 225K | 33 T 1182 | UT-461 | 3.25 M . | 300k |
| 33 T 1173 | UT. 440 | 1 Meg. | 200K |  |  |  |  |

Any of above
QUANTITY PRICES - NO ASSORTMENT
Lots 25, ea. 1.13
Singly ea. Net 1.26

Lots 100, ea. . 95
Lots 50, ea. 1.05 Lots 175, ea. .90
DOUBLE TAPPED MIDGETROLS

| Stock No. | Mfe. <br> No. | Overall Resistances | Tap ResistancesTap 1 Tap 2 |  |
| :---: | :---: | :---: | :---: | :---: |
| 3311183 | UDT-283 | 500K | 100K | 200K |
| 33 T 1184 | UDT-289 | 1 Meg . | 250K | 500K |
| 33 T 1185 | UDT. 291 | 1.5 Meg. | 225k | 500 K |
| 3311186 | UDT. 295 | 2.25 Meg . | 250K | 500 K |
| 33 T 1187 | UDT-296 | 2.25 Meg . | 500 K | 1 Meg. |
| 33 T 118 c | UDT-303 | 3.3 Meg. | 300 K | 1.5 Meg . |
| Any of above QUANTITY PRICES - NO ASSORTMENT Lots 25 , ea. 1.13 |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| $\begin{array}{lrr} \text { Lots } & 25 \text {, ea. } & 1.13 \\ \text { Lots } 100, \text { ea. } & .95 \end{array}$ |  |  |  |  |

SU INSULATED SHAFT MIDGETROLS FOR TV

K." dia. carbon controls with $1 / 4$ " dia. fixed knurled and slotted phenolic shafts Shaft protrudes $1 / 4$ "beyond bushing. Linear taper. With hex nut. Shpg. wt., 3 oz.

| Stock No. | Mfs. Ne. | Ohms | Stock No. | Mfig. No. | Ohms |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 33 T 1208 | SU-6 | 1500 | 33 Y 1215 | SU-46 | 250K |
| 33 T 1209 | SU-8 | 3 K | 33 T 1216 | SU-50 | 500 K |
| 33 T 1210 | SU-14 | 5 K | 33 T 1217 | SU-54 | 1 Meg . |
| 33 T 1211 | SU-20 | 10K | 33 T 1218 | SU-56 | $2 \text { Mer. }$ |
| 33 <br> 33 <br> 3 1212 | SU-29 | ${ }^{25 k}$ | 33 T 1219 | $\text { SU. } 565$ | 2.5 Meg. |
| 33 T 1213 | SU-35 | 50 K | 33 T1220 | SU-59 | $3 \mathrm{Meg} \text {. }$ |
| 33 T 1214 | SU-41 | 100K | $\begin{aligned} & 33 \text { T } 1221 \\ & 33 \text { T } 1222 \end{aligned}$ | SU-67 SU-69 | 5 Mer. |

Any of the above
QUANTITY PRICES - NO ASSORTMENT
Lots 25, ea. . 84
Singly ea. . 93

Lots 100 ea. . 70
Lots 50, ea. . 78
Lots 175, ea. . 66
ATTACHABLE MIOGETROL SWITCHES
Midgetrol types U, UT and UDT- with dummy ter-
minal $t$ with buili-in switch/circult breaker. breaks at 2.5 amps, resets by turning to "off" position. ST types rated $6 \mathrm{amps} / 125 \mathrm{~V}$. DT types rated $3 \mathrm{amps} /$ 125V. Shpg. wt., 2 oz.

| Stock No. | Mig. No. | Description | 1.24 | 25-49 | 50.99 | 100-174 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 I 1189 | US-26 | S.P.S.T. | . 42 | . 38 | . 35 | . 32 |
| 33 T .1480 | USB-29 | S.P.S.T. $\dagger$ | . 98 | . 3 |  |  |
| 33 T 1190 | US.26T | S.P.S.T* | . 51 | 46 | . 43 | . 38 |
| 33 T 1191 | US-27 | D.P.S.T. | . 51 | . 46 | . 43 | . 38 |
| 33 T 1192 | US-28 | S.P.D.T. | . 51 | . 46 | . 43 | . 38 |
| 4 | $\square 3$ |  |  |  |  |  |

DS-36 Extension Shaft 2 'Ko" long $\times 1 / 4^{\prime \prime}$ dia. For tubular shaft Mid and 2 -watt wire-wound controls. Shpg. wt., 2 oz. 33 T 1193 (DS.36)
DS-37 K/" diameter shaft. For use with round-shaft Midgetrols to accommodate knobs requiring K." shaft. Shpg. wt., 2 oz.

$$
33 \text { T } 1194 \text { ( } \mathrm{DS}-37 \text { ) }
$$



## PUSH-PULL CONTROLS

Carbon element controls with a Push-Pull type SPST switch permanently attached. Switch rated 6 amps/125V. UL listed. Rated 1 watt linear or $1 / 2$ watt audio. Size $1 \mathrm{~K}_{6}$ " dia. with $2^{\prime \prime}$ long $\times 1 / 4^{\prime \prime}$ dia. shaft. No assortment for quantity prices. Shpg. wt., 402.

| Stock No. | Mfe. No. | Ohms | Taper | 1.24 | $\begin{aligned} & \text { Net Each } \\ & 25.49 \end{aligned}$ | 50-99 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 T 1280 | PP.13RPP.252R | 1K | 1 | 1.35 | 1.22 | 1.13 |
| 33 T 1482 |  | 2.5 K | 1 | 1.35 | 1.22 | 1.13 |
| 33 T 1483 | PP-253R | 25K | 1 | 1.35 | 1.22 | 1.13 |
| 33 T 1484 | PP.15L | 100K | 4 | 1.35 | 1.22 | 1.13 |
| 33 T 1281 | PP.15A | 100K | 1 | 1.35 | 1.22 | 1.13 |
| 33 T 1282 | PP-25L | 200K | 4 | 1.35 | 1.22 | 1.13 |
| 33 T 1283 | PP-254A | 250K | 1 | 1.35 | 1.22 | 1.13 |
| 33 T 1284 | $\begin{aligned} & \text { PP. } 55 A \\ & \text { PP-55L } \end{aligned}$ | 500K | 1 | 1.35 | 1.22 | 1.13 |
| 33 T 1285 |  | 500k | 4 | 1.35 | 1.22 | 1.13 |
| 33 T 1286 | PP-16A | 1 Meg. | 1 | 1.35 | 1.22 | 1.13 |
| 33 T 1287 | PP-16L | 1 Meg . | 4 | 1.35 | 1.22 | 1.13 |
| 33 T 1288 | PP-155L | 1.5 Meg . | 4 | 1.35 | 1.22 | 1.13 |
| 33 T 1289 | $\begin{aligned} & \text { PP-26A } \\ & \text { PP-36L } \\ & \text { PP-56L } \end{aligned}$ | 2 Meg. | 1 | 1.35 | 1.22 | 1.13 |
| 33 T 1485 |  | 3 Meg . | 4 | 1.35 | 1.22 | 1.13 |
| 33 T 1290 |  | 5 Meg . | , | 1.35 | 1.22 | 1.13 |
| TAPPEO TYPES |  |  | Taper |  | $\begin{aligned} & \text { Net Each } \\ & 25-49 \end{aligned}$ |  |
| Stock No. | Ohms | Tapped @ |  | 1-24 |  | 50.95 |
| 33 T 1291 | 250K | 100K-150K | 4 | 1.59 | 1.43 | 1.33 |
| 33 T 1292 | 500k | 200K | 4 | 1.59 | 1.43 | 1.33 |
| 33 T 1293 | 500K | 78K-168K | 4 | 1.59 | 1.43 | 1.33 |
| 33 T 1294 | 500K | 250k | 1 | 1.59 | 1.43 | 1.33 |
| 33 T 1295 | 1 Meg . | 500K | 2 | 1.59 | 1.43 | 1.33 |
| 33 T 1295 | 1 Meg. | 100K | 1 | 1.59 | 1.43 | 1.33 |
| 33 T 1297 | 1 Meg. | 200K | 2 | 1.59 | 1.43 | 1.33 |
| 33 T 1298 | 1 Meg. | 250K-500K | 4 | 1.59 | 1.43 | 1.33 |
| 33 T 1299 | 2 Meg. | 500K-1 Meg. | 1 | 1.59 | 1.43 | 1.33 |
| 33 T 1301 | 2 Meg | 1 Meg | 4 | 1.59 | 1.43 |  |
| 33 T 1302 | 3 Meg . | 1 Meg. 2 Meg. | 4 | 1.59 | 1.43 | 1.33 |
| 33 T 1303 | 4 Meg . | 2 Meg . | 4 | 1.59 | 1.43 | 1.33 |

## Mallory Controls

## MALLORY PRINTED CIRCUIT MINITROLS

Carbon transistor controls, all linear taper. rated $1 / 4$ watt. Dlameter $1 / 2^{\prime \prime}$. No shaft. all open screwdriver slot adjustment. $1 / 4$ " -32 bushing. Choice of horizontal or vertical mount. Shog. wt. 4 oz.
Type MTC-1

| Res. Ohm | Stock No. vert. Mt. | Stock No. Horiz. Mt. | Hes. Ohm | Stock No. Vert. Mt. | Stock No. Horiz. Mt. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 100 | 33 T 1637 | 33 T 1665 | 15K | 33 T 1651 | 33 T 1679 |
| 200 | 33 T 1638 | 33 T 1666 | 20K | 33 T 1652 | 33 T 1680 |
| 250 | 33 T 1639 | 33 T 1667 | 25k | 33 T 1653 | 33 T 1681 |
| 300 | 33 T 1640 | 33 T 1668 | 50K | 33 T 1654 | 33 T 1682 |
| 500 | 33 T1641 | 33 T 1669 | 100K | 33 T 1655 | 33 T1683 |
| 750 | 33 T 1642 | 33 T 1670 | 120K | 33 T 1656 | 33 T 1684 |
| 1000 | 33 T 1643 | 33 T 1671 | 180K | 33 T 1657 | 33 T 1685 |
| 1500 | 33 T 1644 | 33 T 1672 | 250K | 33 T1658 | 33 T1686 |
| 2000 | 33 T 1645 | 33 T 1673 | 325K | 33 T1659 | $33 T 1687$ |
| 3000 | 33 T 1646 | 33 I 1674 | 450K | 33 T 1660 | 33 T1688 |
| 5000 | 33 T 1647 | 33 T 1575 | 500 K | 33 T1661 | 33 T 1689 |
| 6000 | 33 T 1648 | 33 T 1676 | MEG | 33 T1662 | 33 T 1690 |
| 6800 | 33 T 1649 | 33 T 1677 | MEG | 33 T1663 | 33 T 1691 |
| 10000 | 33 T 1650 | 33 「 1678 | 3.5 MEG | 33 T 1664 | 33 T 1692 |

Any of above

\section*{WIRE WOUND SENSITIVITY CONTROLS

## - mnsi2so

}

For ACC, hum-balancing. Iinearity, etc. $y^{\prime \prime}$ diam. For conversion from cross-slot adjustment to shaft, use shafts listed below Shpg. wt., 4 ol

MR-F 3.WATT FLANGE MOUNT
Mounting ears with $.130^{\prime \prime}$ dia. holes on $1^{\prime \prime}$ center. Cross-slot adjustment. front and rear.

| slock No. | Mfr. Me. | Otmen | Stueck Me. | Mfr. Ne. | Ohms |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 33 T 1600 | MR6F | 6 | 33 T 1609 | MR600F | 600 |
| 33 T1601 | MR15F | 15 | 33 T 1610 | MR750F | 750 |
| 33 T 1602 | MR40F | 40 | 33 T 1611 | MR1000F | 1000 |
| 33 T 1603 | MR75F | 75 | 33 T 1612 | MR1500F | 1500 |
| 33 T 1604 | MR100F | 100 | 33 T 1613 | MR2000F | 2000 |
| 33 T 1605 | MR150F | 150 | 33 T 1614 | MR2500F | 2500 |
| 33 T 1606 | MR200F | 200 | 33 T 1615 | MR3000F | 3000 |
| 33 T 1607 | MR250F | 250 | 33 T1616 | MR4000F | 4000 |
| 33 T 1608 | MR500F | 500 | 33 「1617 | MR5000F | 5000 |

MR.P 3-WATT PC MOUNT
Printed circult board mounting with cross-slot adjustment, front and rear.

| Stock No. | Mifr. Ne. | Ohms | Stech Me. | Mfr. Ne. | Ohms |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 33 T1618 | MR1.5P | 1.5 | 33 T 1624 | MR1000P | 1000 |
| 33 T1619 | MR15P | 15 | 33 T1625 | Minisuop | 1500 |
| 33 T 1620 | MR100P | 100 | 33 T1820 | Mr3000P | 3000 |
| 33 T1621 | MR175sP | *175 | 33 T 1827 | MR4000P | 4000 |
| 33 T 1622 | Mazasip | +260 | 33 T 162t | MR5000P | 5000 |
| 33 T 1623 | mincoup | 600 |  |  |  |

*Stop at 60 ohms. 1 Stop at 100 ohms.
Any of above
Net ea. . 66
MRC-P $11 / 2$.WATT PC MOUNT
Convergence controls with printed circuit board mounting and permanent knob.

| Stack No. | Mfr. No. | 0hme | Stect Nu. | Mfr. Me. | Ohms |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 33 T 1629 | MnC10P | 10 | 33 T 1632 | MRC100P | 100 |
| 33 T 1630 | MRC30P | 30 | 33 T 1633 | Minc120P | 120 |
| 33 T1631 | minceap | 60 | 33 T 1834 | Mncisop | 150 |

MR-T 3-WATT TAB MOUNT
With twist-tabs for mounting on PC board or chassis. Siot adjust.

SHAFTS FOR MR CONTROLS
$\begin{aligned} & \text { Mallory No. MRS1250- } 1 / 4^{\prime \prime} \text { dia. } 114^{\prime \prime} \text { FMS Knurled and slotted } \\ & \text { nylon. Plugs into either end of MR control. }\end{aligned}$
33 T 1635

# Miniature Capacitors For Transistor Circuitry 

# LAFAYETTE TRANSISTOR ULTRA－MINIATURE ELECTROLYTIC CONDENSERS 

Cx

Subminiature electrolytic capacitors．Hermetically sealed aluminum cases，especially suitable physically and electrically for application in transistor and miniature electronic circuits．Long shelf－life，stable capacity and low leakage current．Imported．

| 5tock No． 59 Y 6003 | Oescription |  | Dia． | Length | Net Each |  |  | 50$U p$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 1.4 |  | 5.9 | 10－49 |  |
|  | 2 mid | 6 volt |  | 4／4＂ | $31 / n^{\prime \prime}$ | ． 19 | ． 15 | ． 12 | 10 |
| 99 Y 6004 | 4 mfd | 6 volt | 1／a＂ | $31 / 32$. | ． 19 | ． 15 | .12 | ． 10 |
| $\begin{aligned} & 99 \text { I } 6005 \\ & 99 \text { Y } 6006 \end{aligned}$ | 8 mid | 6 volt | 1／4＂。 | 31／32：＂ | ． 21 | ． 17 | ． 14 | ． 11 |
| 9976007 | 10 mfd | 6 volt | 1／＂＂ | 31／33＂， | ． 21 | ． 17 | ． 14 | ． 11 |
| 9976008 | 50 mfd | 6 volt |  | 31 | ． 31 | ． 23 | ． 18 | ． 15 |
| 9976009 | 100 mfd | 6 volt | $11 / 13$ 。 | 11／4＂ | ． 39 | ． 31 | ． 25 | ． 20 |
| 99 T6010 | 8 mfd | 12 volt | 3\％ | 7／a＇ | ． 23 | ． 18 | ． 14 | ． 12 |
| 9976051 | 1 mfd | 15 volt | 30＂ | 7\％＂ | ． 29 | ． 23 | ． 18 | ． 15 |
| 9975043 | 2 mfd | 15 volt | 3／3 | 7／8＂ | ． 29 | ． 23 | ． 18 | ． 15 |
| 9976052 | 3 mfd | 15 volt | 3\％ | \％${ }^{\text {\％}}$ | ． 29 | ． 23 | ． 18 | ． 15 |
| 9976044 | 6 mfd | 15 volt | 7／8＊ | 7\％＂ | ． 29 | ． 23 | ． 18 | ． 15 |
| 99 T6045 | 10 mfd | 15 volt | 3／4＂ | \％＂ | ． 29 | ． 23 | ． 18 | ． 15 |
| 99 T 6046 | 20 mfd | 15 volt | 3／6＂ | 7／8＂ | ． 29 | .23 | ． 18 | ． 15 |
| 99 T 6047 | 30 mfd | 15 volt | \％ $0^{\prime \prime}$ | \％＂ | ． 29 | ． 23 | ． 18 | .15 |
| 99 T6048 | 50 mfd 1 | 15 volt | 36＂ | $11 / 4^{\prime \prime}$ | ． 31 | ． 25 | ． 20 | ． 15 |
| 99 T6049 | 100 mfd 1 | 15 volt | \％／＂ | 11／4＂ | ． 45 | ． 36 | ． 29 | ． 23 |
| 99 T6050 | 160 mfd | 15 volt | \％10＂ | 17\％＂ | ． 49 | ． 39 | ． 31 | ． 25 |
| 99 T 6053 | 2 mfd | 25 volt | \％＂ | 7\％＂ | ． 29 | ． 23 | ． 18 | ． 15 |
| 99 T 6054 | 6 mfd | 25 volt | \％＊＊ | $7 /{ }^{\prime \prime}$ | ． 29 | ． 23 | ． 18 | ． 15 |
| 9916055 | 10 mfd 2 | 25 volt | 3／8＂ | 7＂ | ． 31 | ． 25 | ． 20 | ． 18 |
| 99 T 6056 | 25 mfd 2 | 25 volt | H6＂ | 7／0 | ． 31 | ． 25 | ． 20 | ． 16 |
| 99 T 6057 | 50 mfd 2 | 5 volt | \％＂ | 11／4＂ | ． 35 | ． 28 | ． 22 | ． 18 |
| 99 T 6058 | 160 mfd 2 | 25 volt | ＂／10＂ | 11／4＂ | ． 49 | ． 39 | ． 31 | ． 25 |

LAFAYETTE SUBMINIATURE PRINTED CIRCUIT ELECTROLYTIC CAPACITORS

Truly Tiny • Tolerance 10\％－Exact Replacement For Hundreds of Thousands of Transistor Radios
These high quality electrolytics solve the servicing problems of size and mounting


## SUBMINIATURE CAPACITORS

Rellable，hermetically sealed subminiature electrolytic ca－ pacitors．Execlient replacement capacitors for transistorized equipment．Dia．vary from $k_{s}$ to $7^{\prime \prime \prime}$ ，lengths from $4 / 2$ to 11／2＂．Shpg．wi．． 2 oz.


| Snpg．wt．， Type |  | size LxWkThick． | Net Each | $\begin{aligned} & \text { Lols } \\ & \text { of } 10, \\ & \text { Each } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
| 3376501 | ． 0005 | 1／8x $1 / 8 \times 1 /{ }^{\prime \prime}$ | ． 15 | ． 13 |
| 33 T 6902 | 001 | 11／4x＇4x ${ }^{\text {a }}$ | ． 15 | ． 13 |
| 33 T6903 | ． 002 | 11／41／4x\％ | ． 15 | ． 13 |
| 33 T6904 | ． 005 |  | ． 15 | ． 13 |
| 33 T6905 | ． 01 |  | ． 22 | ． 19 |
| 33 T 6906 | ． 02 |  | ． 22 | ． 19 |
| 33 T 6907 | ． 05 |  | ． 30 | ． 27 |
| 33 T 9008 | ． 1 |  | ． 50 | ． 45 |
| 33 T6909 | ． 2 |  | ． 60 | ． 54 |

CERAMIC DISC CAPACITORS

|  |  | $\square 1$ | RATED 1000 DCWV |
| :---: | :---: | :---: | :---: |
| Stock No． | Cap． | Stock No． | cap |
| 32 T 0147 | $5 \mu \mu \mathrm{f}$ | 32 T 0172 | $250 \mu \mu \mathrm{f}$ |
| 32 T 0148 | $6.8 \mu \mu \mathrm{f}$ | 32 T 0173 | $270 \mu \mu \mathrm{f}$ |
| 32 T 0149 | $10 \mu \mu \mathrm{f}$ | 32 T 0174 | $300 \mu \mu \mathrm{f}$ |
| 32 T 0150 | $12 \mu \mu$ f | 32 T 0175 | $330 \mu \mu \mathrm{f}$ |
| 32 T 0151 | $15 \mu \mu \mathrm{f}$ | 32 T 0176 | 390 $\quad$ ¢ ${ }^{\text {f }}$ |
| 32 T 0152 | $18 \mu \mu \mathrm{f}$ | 32 T 0177 | $470 \mu \mu$ f |
| 32 T 0153 | $20 \mu \mu \mathrm{f}$ | 32 T 0178 | $500 \mu \mu$ ¢ |
| 32 T 0154 | $22 \mu \mu$ f | 32 T 0179 | $560 \mu \mu \mathrm{f}$ |
| 32 T 0155 | $25 \mu \mu \mathrm{f}$ | 32 T 0180 | $680 \mu \mu \mathrm{f}$ |
| 32 T 0156 | $27 \mu \mu \mathrm{f}$ | 32 T 0181 | $750 \mu \mu \mathrm{f}$ |
| 32 T0157 | $30 \mu \mu f$ | 32 T 0182 | ． $001 \mu \mathrm{f}$ |
| 32 T 0158 | $33 \mu \mu f$ | 32 T 0183 | ． $0012 \mu \mathrm{f}$ |
| 32 T 0159 | 39 $\mu \mu \mathrm{f}$ | 32 T 0184 | ． $0015 \mu \mathrm{f}$ |
| 32 T 0160 | $47 \mu \mu \mathrm{f}$ | 32 T 0185 | ． $0018 \mu \mathrm{f}$ |
| 32 T 0161 | $50 \mu \mu f$ | 32 T 0186 | ． $002 \mu \mathrm{f}$ |
| 32 T 0162 | $56 \mu \mu \mathrm{f}$ | 32 T 0187 | ． $0022 \mu \mathrm{f}$ |
| 32 T 0163 | $68 \mu \mu \mathrm{f}$ | 32 T 0188 | ． 0025 ¢ |
| 32 T 0154 | $75 \mu \mu \mathrm{f}$ | 32 T 0185 | ． $0027 \mu$ ¢ |
| 32 T 0165 | $82 \mu \mu \mathrm{f}$ | 32 Y 0150 | ． $003 \mu \mathrm{f}$ |
| 32 T 0166 | $100 \mu \mu \mathrm{f}$ | 32 T 0191 | ． $0033 \mu \mathrm{f}$ |
| 32 T 0167 | $120 \mu \mu \mathrm{t}$ | 32 T 0192 | ．004 $\mu$ f |
| 32 T 0168 | $150 \mu \mu \mathrm{f}$ | 32 T 0193 | ． 0047 \％ |
| 32 T 0169 | $180 \mu \mu \mathrm{f}$ | 32 T 0194 | ． $005 \mu \mathrm{f}$ |
| 32 T 0170 | $200 \mu \mu \mathrm{l}$ | 32 T 0195 | ． $0068 \mu$ |
| 32 T 0171 | $220 \mu \mu \mathrm{I}$ | 32 T 0196 | ． $01 \mu$＇ |
| Assort any of above for quantity price 10 for ． 50 ；Singly，each .10. HICH CAPACITY DISCS |  |  |  |

$.015 \mu f$ Shpg．wt．， 202.
32 T 0948 $\qquad$ 10 for 1.28
$.02 \mu$ f．Shpg．wt．， 2 oz．
32 Y0949
Singly，ea．． 14

32 1094 $\qquad$ 10 for 1.44

## Quality Capacitors For The Serviceman

## PORCELAIN CASED TUBULAR CAPACITORS

 VALUE PACKED KITSRated 600 W.Y.D.C. Tested at 3 Times Working Voltage Exceptionally Resistant To High Temperatures and Moisture

AS LOW AS
$2^{95}$

| $\begin{aligned} & \text { KIT } \\ & 600 \mathrm{~V} \end{aligned}$ | $\begin{aligned} & \text { OF } 100 \\ & w \vee 0 C \end{aligned}$ | $\begin{aligned} & \mathrm{KIT} \\ & \mathrm{GOOV} \end{aligned}$ | $\begin{aligned} & \text { OF } V^{50} \\ & \mathbf{W}^{\prime} \end{aligned}$ |
| :---: | :---: | :---: | :---: |
| ery. | MFD. | erv. | MFD. |
| 10 | . 001 | 5 | . 001 |
| 10 | . 002 | 5 | . 002 |
| 10 | . 003 | 5 | . 003 |
| 20 | . 01 | 10 | . 01 |
| 20 | . 02 | 10 | . 02 |
| 20 | . 05 | 10 | . 05 |
| 10 | . 1 | 5 | . 1 |

93 T f 112 Kit of 50 . Shpg. wt., $3 / 4 \mathrm{lb}$.
99 T 6113 Kit of 100 . Shpg. wt., $11 / 2$ tbs.

## LAFAYETTE METAL CASED OIL FILLED TUBULAR CAPACITORS

- Exceptional capacitance stability
- 10\% Tolerance
- High insulation resistance
- Wide temperature range

These oil-filled and oil impregnated paper capacitors are manufactured to high standards. Feature $10 \%$ tolerance. Operate efficiently from $-40^{\circ} \mathrm{C}$ to $+100^{\circ} \mathrm{C}$. Ruggediy constructed in metal case with plastic insutating outer sleeve to withstand shock, voltage surge, moisture and other adverse operating conditions. Conservatively rated at 600 wVDC. Avg. shpg. wh., 5 oz. each. Imported.

| Stupt Me. | $\begin{gathered} \text { Cap. } \\ \text { Mfo. } \end{gathered}$ | $\begin{aligned} & \text { size } \\ & 0 \times 1 \end{aligned}$ | Sincle | Net lats of 10 | Lets of 100 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 9976011 | . 001 | $9 / 32 \times 26 / 32 \prime$ | . 09 | 81 | 6.00 |
| 9516012 | . 002 | 9/32 $\times 26 / 32$ " | . 09 | . 81 | 6.00 |
| 99 T 6013 | . 005 | 9/32 $\times 27 / 32^{\prime}$ | . 09 | . 81 | 6.00 |
| 9576014 | . 01 | 9/32 $\times 27 / 32^{\prime \prime}$ | . 10 | . 90 | 6.50 |
| 93 T 6015 | . 02 | 10/32 $\times 27 / 32^{\prime \prime}$ | . 11 | . 99 | 7.50 |
| 93 T 6016 | . 05 | $13 / 32 \times 1{ }^{\prime \prime}$ | . 12 | 1.08 | 9.50 |
| 9516017 | . 1 | 15/32 $\times 1 \% 6$ | . 14 | 1.25 | 11.40 |

## WIDE RANGE ELECTROLYTIC CAPACITOR

- Replaces $A$ Host of Popular Combinations


Compact unit which provides exact electricat replacement for 8 original standard 150 VOCW capacitors used principally in printed

Replaces all of the following:
$50-30 \mathrm{mid}$.
$80-40 \mathrm{mfd}$
70.30 mld.
$75-30 \mathrm{mfd}$.
60.40 mfd.
8050 mfd
Riet 1.18

## ECONOMY TUBULAR ELECTROLYTICS

These electrolytic capacitors are specifically designed for service replacement applications. Alt single electroIytics are hermetically seated in alumi. num cans with outer cardboard insulating sleeves and have solid tinned copper leads. Dual and triple section electroIytics have wax impregnaled cardboard tubes with mounting strap, and color coded insulated flexible leads. Ave. shpg. wt. 40 oz .


| Steck Me. | Mfd. | W.Y. | Net Each | Met Each in Lets of 10 |
| :---: | :---: | :---: | :---: | :---: |
| 32 T 0110 | 10 | 25 | 27 | 24 |
| 32 T 0111 | 25 | 25 | 29 | 25 |
| 32 T 0112 | 20 | 150 | 34 | . 31 |
| 3270113 | 40 | 150 | . 40 | 36 |
| 32 T 0136 | 150 | 150 | . 60 | . 54 |
| 32 T0114 | 8 | 450 | . 39 | . 35 |
| 32 T 0115 | 20 | 450 | . 52 | . 47 |
| 32 T 0116 | 40 | 450 | . 58 | . 53 |
| 32 T 0137 | 80 | 450 | . 90 | . 1 |
| 32 T0138 | 100 | 450 | . 8 | . 69 |
| Dual semplin Intmer Electrelortic |  |  |  |  |
| 3270117 | 2020 | 150 | . 37 | . 33 |
| 32 T0118 | 30.30 | 150 | . 38 | . 35 |
| 32 T 0110 | 40.40 | 150 | . 42 | . 34 |
| 3270120 | 50.30 | 150 | . 40 | . 36 |
| 32 T0121 | 50.50 | 150 | . 49 | . 44 |
| 32 T 0139 | 80.50 | 150 | . 54 | . 49 |
| 3270140 | 100.50 | 150 | . 58 | . 53 |
| Iriole Section Iftutar Aleatmelytic |  |  |  |  |
| 3270141 | 40-40-20 | 150 | . 59 | . 53 |
| 3210142 | 50-30-20 | 150 | . 59 | . 53 |
| 32 T 0143 | 80-40.20 | 150 | . 64 | . 58 |

LAFAYETTE MYLAR "TITANEX" 75 VOLT MICRO-MINIATURE CERAMIC CAPACITORS

- $\pm 10 \%$ Tolerance - Tested to Working Voltage $\times 250 \%$


Pressure molded, solid block construction. Exceptional humidity resistance. DuPont MYLAR polyester film dielectric. Resin dip insula. tion. Designed for circuits requiring extremely small stable compo nents-ideal for printed or transistor circuitry. Temperature range from - $25^{\circ} \mathrm{C}$ to $85^{\circ} \mathrm{C}$ without derating. All are rated at 75 W.V. D.C. Shpg. wt., 2 oz. Imported.

75WVOC RECTANGULAR TVPE (Fig. A)

| Stack Ne. | Cap. Mfd. | $\begin{aligned} & \text { Sizex } \\ & \text { WIXH } \end{aligned}$ | Met Each |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | $1 \cdot 8$ | 10.53 | 100U0 |
| 9976059 | . 0005 |  | .13 | . 11 | . 04 |
| 9916060 | . 001 | $3^{2} \times 2 / 4 x^{1 / 32}$ | . 13 | .11 | . 09 |
| 99 T 6061 | . 002 | $\%_{8} x^{3} x^{1} \%_{2}$ | . 13 | .11 | . 09 |
| 92 T 6052 | . 005 | $8_{2} x^{3} x^{1} x^{\prime}$ | . 13 | . 11 | . 09 |
| 9) $T$ c063 | . 01 |  | . 15 | .13 | . 10 |
| 99 T 6064 | . 02 | K0xY0x'160 | . 15 | . 11 | . 10 |
| 99 T 6065 | . 05 |  | 24 | . 21 | . 17 |
| 297606 | . 05 |  | . 24 | . 21 | . 17 |
| cs T605s | . 1 |  | . 36 | 32 | . 26 |
| 9975067 | .25 | 59x\%ux\% | . 48 | . 43 | . 34 |

CERAMIC DISC KIT 48 VALUES


A fine selection of 48 ceramic disc type capacitors. Values included range from 001 mfd to 2 mmfd , Voltage ratings range from 50 to 5000 volts DC. Ideal selection for servicemen, buliders and experimenters. Shpg. wt., 4 oz . 32 T 5002
Depend on Lafayette For Complete Stocks, Lowest Prices, Fastest Service
Special offering! Twenty-five .001 mfd .400 volt molded plastic capacitors. Stock up now on this popular value. Shpg. wt., 6 oz . 32 T 012

001 MFD- 400 VOLT SPECIAL


## 25 for $89^{\circ}$ QUANTITIES LMMTED

KIT OF 50 ASSORTED MICA CAPS.

## 

A wit of popular mica
capacitors for service.
men. Contains 50 popular sizes. A handy as. sortment for any service shop or experiment. Shpg. wt., 2 lbs.
24 T 7201 $\qquad$ Net 8.18 Lots of 3 $\qquad$ Ea. .

# Cornell-Mallory-Sprague-Aerovox-Electrolytics 

CORNELL BLUE BEAVER
Cormell Dubilier types BBR, BR and BBRD are dry electrolytics in compact aluminum cases. Highest quality for TV general reDlacement with extra safety for high surge voltages in power supplles, very low leakage. Operating temperature up to $85^{\circ} \mathrm{C}$.

## MALLORY TC

Mallory type TC dry electrolytic capacitors are housed in aluminum containers. These compact units are of the highest quality and are ideal for use in T radio and zeneral replacement In electronic circuitry. Low leakage and built-in safety factors against high voltage surges, Operating tem perature up to $85^{\circ} \mathrm{C}$.

## SPRAGUE "ATOMS"

Sprague types TVA and TV are dry elec rolytics in extremely compact metal cases They are designed to withstand high surge voltages and high ripple currents making them ideal for TV replacements, Dower supplles. efc. Leakage is very low. Efficient at temperatures up to $85^{\circ} \mathrm{C}$.

## AEROVOX OANOEE

Aerovox type PRS are dry electrolytic in compact aluminum cases. Dependable replacements for TV and all electronic equipment when a quality unit is required. Feature low leakage high voltage surge protection and operating temperature up to $85^{\circ} \mathrm{C}$.

| Stock No. | NET EACH IN LOTS OF |  |  |  |  |  |  |  | ET EAC | H IN LOT | TS OF |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Cap. MFD. | W.V. | 1.24 | $\begin{aligned} & 25 \\ & 49 \end{aligned}$ | $\begin{aligned} & 50- \\ & 99 \end{aligned}$ | Stock No. | Cap. <br> MFO. | W.V. | 1.24 | $\begin{aligned} & 25 \\ & 49 \end{aligned}$ | $\begin{aligned} & 50- \\ & 99 \end{aligned}$ |
| 33 T 1508 | 1000 | 3 | 1.05 | . 82 | . 65 | 34 T 5543 | 80 | 150 | . 96 | . 65 | . 54 |
| 34 T 7501 | 2000 | 4 | 1.38 | . 93 | . 72 | 34 T 5544 | 100 | 150 | 1.05 | . 75 | . 58 |
| $34 T 8401$ $34 T 5510$ | 50 | 6 | . 57 | . 41 | . 32 | 3475545 | 150 | 150 | 1.14 | . 82 | . 64 |
| 34 T 5510 | 100 250 | 6 | . 72 | . 50 | . 39 | 3477513 | 200 | 150 | 1.32 | . 93 | . 72 |
| 34 T 5512 | 250 500 | 6 | . 81 | . 64 | . 50 | 34 T 7537 | 300 | 150 | 1.68 | 1.25 | . 97 |
| 34 T 5513 | 1000 | 6 | 1.14 | . 89 | . 70 |  | 200 | 200 250 | 1.84 | . 42 | .71 |
| 34 T 7502 | 1500 | 6 | 1.26 | . 98 | . 70 | 34 <br> 33 <br> 1512 | 4 | 250 | . 66 | . 48 | . 37 |
| 34 T 7503 | 2000 | 6 | 1.38 | 1.08 | . 84 | 34 T 7514 | 8 | 250 | . 69 | . 54 | . 42 |
| 34 T7504 | 100 | 12 | . 72 | . 52 | . 40 | 33 T 1513 | 10 | 250 | . 72 | . 56 | . 43 |
| 3477505 | 250 | 12 | . 87 | . 68 | . 53 | 34 T 5546 | 12 | 250 | . 75 | . 57 | . 45 |
| 34 T7506 | 500 | 12 | 1.02 | . 79 | . 62 | 34 T 5547 | 16 | 250 | . 78 | . 60 | . 47 |
| 3417507 | 1000 | 12 | 1.35 | 1.05 | . 82 | 34 T 5548 | 20 | 250 | . 81 | . 64 | . 50 |
| 34 T 5514 | 100 | 15 | . 75 | . 52 | . 41 | 34 T 5549 | 30 | 250 | . 87 | . 68 | . 53 |
| 33 T 1509 | 200 | 15 | . 90 | . 67 | . 55 | 34 T 5550 | 40 | 250 | . 93 | . 74 | . 57 |
| 34 T 5515 | 250 | 15 | . 93 | . 74 | . 60 | 34 T 5551 | 50 | 250 | 1.02 | . 81 | . 63 |
| 34 T 5516 | 500 | 15 | 1.05 | . 83 | . 64 | 3475552 | 60 | 250 | 1.08 | . 84 | . 66 |
| 34 T 5517 | 1000 | 15 | 1.38 | 1.07 | .84 | 33 T 1543* | 140 | 300 | 2.05 | 1.03 | . 79 |
| 3415518 | 2000 | 15 | 1.92 | 1.29 | 1.00 | 3475553 |  | 350 | . 63 | . 49 | . 38 |
| 34 T 5622 | 3000 | 15 | 2.37 | 1.82 | 1.42 | 33 T 1514 | 5 | 350 | . 65 | . 48 | . 39 |
| 3475623 | 4000 | 15 | 2.91 | 2.25 | 1.75 | 34 T 5554 | 8 | 350 | . 72 | . 55 | 43 |
| 3475624 | 5000 | 15 | 3.15 | 2.45 | 1.91 | 34 T 7515 | 10 | 350 | . 75 | . 59 | . 46 |
| 34 T 8402 | 2 | 25 | . 54 | . 39 | . 31 | 34 T 5555 | 12 | 350 | . 78 | . 61 | . 47 |
| 3478411 | 5 | 25 | . 60 | . 42 | . 32 | 34 T 5556 | 16 | 350 | . 84 | . 66 | . 51 |
| 3477508 | 10 | 25 | . 60 | . 42 | . 33 | 34 T 5557 | 20 | 350 | . 87 | . 68 | . 53 |
| 34 T 7509 | 16 | 25 | . 60 | . 43 | . 35 | 34 T 7516 | 25 | 350 | . 93 | . 72 | . 56 |
| 34 T 5519 | 20 | 25 | . 60 | . 43 | . 34 | 34 T 5550 | 30 | 350 | . 99 | . 77 | . 60 |
| 34 T 5520 | 25 | 25 | . 60 | . 44 | . 35 | 34 T 5559 | 40 | 350 | 1.05 | . 80 | . 62 |
| 34 T 5521 | 50 | 25 | . 66 | . 47 | . 37 | 34 T 5560 | 50 | 350 | 1.11 | .87 | . 68 |
| 34 T 5522 | 100 | 25 | . 81 | . 58 | .45 | 34 T 7539 | 60 | 350 | 1.17 | . 91 | . 71 |
| 34 T 5523 | 250 | 25 | 1.02 | . 79 | . 61 | $33 \text { T 1544* }$ | 150 | 400 | 2.64 | 1.32 | 1.02 |
| 34 T 5524 | 500 | 25 | 1.38 | 1.07 | . 81 | $34 \text { T } 5561$ | 1 | 450 | . 66 | . 51 | . 40 |
| 34 T 5625 | 1000 | 25 | 1.98 | 1.79 | 1.39 | 34 T 5562 | 2 | 450 | . 66 | . 52 | .41 |
| 3475626 | 2000 | 25 | 2.91 | 2.75 | 1.76 | 3415563 | 4 | 450 | . 69 | . 54 | . 42 |
| 33 T 1510 | 1 | 50 | . 54 | . 39 | . 30 | 33 T 1515 | 5 | 450 | . 72 | . 56 | . 43 |
| 34 T 7510 | 2 | 50 | . 54 | . 39 | . 31 | $34 T 5564$ |  | 450 | . 75 | . 60 | . 46 |
| 34 T 5525 | 5 | 50 | . 60 | . 42 | . 32 | 3475565 | 10 | 450 | . 78 | . 60 | . 47 |
| 34 T 5526 | 10 | 50 | . 60 | . 42 | .33 | 34 T 55666 | 12 | 450 | . 81 | . 64 | . 50 |
| 34 T 7511 | 20 | 50 | . 60 | . 43 | .34 | 34 T 5567 34 T 5568 | 16 | 450 450 | . 84 | . 68 | . 53 |
| 34 T 5527 | 25 | 50 | . 63 | . 44 | . 35 | 34 T 5568 | 20 | 450 | . 93 | . 73 | . 57 |
| 3477512 | 50 | 50 | . 72 |  |  | 34 T 569 | 30 | 450 | 1.02 | . 80 | . 63 |
| 34 T 5528 | 100 | 50 | . 84 | . 62 | . 40 | 34 T 5570 | 40 | 450 | 1.08 | . 83 | . 65 |
| 34 T 5529 | 150 | 50 | . 93 | . 66 | . 51 | 34 Y 7517 34 T 5571 | 50 | 450 | 1.26 | . 98 | . 76 |
| 34 T 5530 | 250 | 50 | 1.05 | . 83 | . 61 | 34 <br> 34 | 60 | 450 | 1.41 | 1.16 | . 90 |
| 34 T 5531 | 500 | 50 | 1.44 | 1.11 | . 86 | 34 <br> 34 <br> 34572 | 80 | 450 | 1.68 | 1.11 | . 87 |
| 34 T 5627 | 1000 | 50 | 2.52 | 1.93 | 1.49 | 34 T $7518{ }^{\text {c }}$ | 100 | 450 | 1.92 | 1.69 | 1.31 |
| 34 T 5818 | 1500 | 50 | 3.00 | 2.26 | 1.76 | 33 <br> 34 <br> 18403 | 100 | 450 | 2.63 | 1.32 | 1.02 |
| 34 T 5819 | 2000 | 50 | 3.48 | 2.60 | 2.02 | 34 <br> 34 <br> 18403 <br> 1854 | 10 | 475 | . 81 | . 64 | . 50 |
| 3475532 | 4 | 150 | . 60 | . 43 | . 2.33 | 34 T 8404 34 T 5573 | 20 | 475 | . 96 | . 75 | . 58 |
| 33 T 1511 | 5 | 150 | . 60 | . 43 | . 34 | 34 T 5573 | 4 | 500 | . 72 | . 53 | . 43 |
|  |  |  |  |  |  | 34 T 5574 | 8 | 500 | . 78 | . 61 | . 48 |
| 34 T 5534 | 10 | 150 150 | . 63 | . 45 | . 35 | 3477519 | 10 | 500 | . 81 | . 64 | . 50 |
| 3475535 | 12 | 150 | . 66 | . 47 | . 37 | 34 T 5577 | 16 | 500 | . 90 | . 70 | . 55 |
| 3475536 | 16 | 150 | . 69 | . 49 | .38 | 3415578 | 30 | 500 | . 1.05 | . 75 | . 58 |
| 3475537 | 20 | 150 | . 72 | . 50 | . 39 | 34 T 5579 | 8 | 600 | 1.83 | 1.37 | 1.65 |
| 3475538 | 25 | 150 | . 75 | . 53 | . 41 | 3475580 | 10 | 600 | 2.19 | 1.64 | 1.28 |
| 3475539 | 30 | 150 | . 78 | . 55 | . 43 | 34 T 5582 | 16 | 600 | 2.49 | 1.87 | 1.46 |
| $34 T 5540$ $34 T 5541$ | 40 | 150 | . 81 | . 58 | . 45 | 34 T 7520 | 20 | 600 | 2.58 | 1.93 | 1.50 |
| 34 T 5541 | 50 | 150 | . 84 | . 60 | . 47 | 34 T 5583 | 8 | 700 | 1.74 | 1.33 | 1.04 |
| 345542 | 60 | 150 | . 90 | . 63 | . 49 | 34 T 5586 | 16 | 700 | 2.10 | 1.59 | 1.24 |

Because no one manufacturer offers all sizes, we have made this integrated list. Your order will be filled with one of the 4 famous brands illustrated. We will supply any particuar manufacturers brand specified, if available in the size desired. Avg. shpg. wt., 5 ors.
PLEASE SEE NEXT PAGE fOR TRIPLE and QUAD. UNITS.

## DUAL SECTION COMMON NEGATIVE

| Stock No. | Cap. <br> MFD. | NET EACH IN LOTS OF |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | W.v. | 1-24 | 25 49 | 50. 89 |
| 3417521 | 10-10 | 25 | . 96 | . 72 | 56 |
| 34 T 5588 | 20-20 | 25 | . 84 | . 64 | . 54 |
| 33 T 1516 | 25-25 | 25 | 1.00 | . 77 | . 60 |
| 34 T 5589 | 10-10 | 50 | . 96 | . 73 | . 57 |
| 3477523 | 8-16 | 150 | . 93 | . 69 | . 57 |
| 34 T 8405 | 16-16 | 150 | 1.08 | . 78 | . 61 |
| 34 T 5590 | 20.10 | 150 | . 93 | . 71 | . 57 |
| 34 T 8406 | 20-12 | 150 | 1.05 | . 78 | . 61 |
| 34 T 5591 | 20-20 | 150 | 1.05 | . 80 | . 62 |
| 34 T 5592 | 30-20 | 150 | 1.02 | . 79 | . 61 |
| 34 T 5593 | 30.30 | 150 | 1.08 | . 85 |  |
| 34 T 5594 | 40-20 | 150 | 1.14 | . 84 | . 65 |
| 34 T 5595 | 40-30 | 150 | 1.08 | . 86 | . 67 |
| 34 T 5596 | 40-40 | 150 | 1.11 | . 88 | . 69 |
| 34 T 5597 | 50.30 | 150 | 1.17 | . 88 | . 69 |
| 34 T 5598 | 50-50 | 150 | 1.26 | . 93 | . 72 |
| $3311546^{\circ}$ | 50-50 | 150 | 1.30 | . 65 | . 50 |
| 34 T 8407 | 80-30 | 150 | 1.32 | . 94 | 73 |
| 34 T 5599 | 80-40 | 150 | 1.32 | . 96 | . 75 |
| 34 T 7524 | 80-50 | 150 | 1.41 | . 99 | .77 |
| 33 T 1547* | 100.50 | 150 | 1.56 | .78 | 60 |
| 34 T 5601 | 100-100 | 150 | 1.92 | 1.32 | 1.03 |
| $33 \mathrm{~T} 1548^{\circ}$ | 250-50 | 160 | 2.18 | 1.09 | . 84 |
| 33 T 1549** | 5-200 | 200 | 2.05 | 1.03 | . 79 |
| 34 T 7526 | 8-16 | 200 | . 96 | . 75 | . 58 |
| 3417527 | 16.16 | 200 | 1.02 | . 77 | . 60 |
| 3477528 | 30-30 | 200 | 1.29 | . 88 | . 68 |
| 3415602 | 8.8 | 250 | 1.09 | . 77 | . 66 |
| 3477529 | 10-10 | 250 | . 99 | . 75 | . 58 |
| 34 T 5603 | 16.8 | 250 | 1.02 | . 81 | . 61 |
| 34 T 5604 | 16-16 | 250 | 1.02 | . 78 | 83 |
| 34 T 5605 | 20.20 | 250 | 1.11 | . 88 | . 03 |
| $34 T 5606$ | 30-30 | 250 | 1.35 | . 95 | . 74 |
| 3478409 | 40-10 | 250 | 1.23 | . 94 | . 73 |
| 34 T 5607 | 75-20 | 250 | 1.56 | 1.18 | . 90 |
| 33 T 1517 | 10-10 | 350 | 1.12 | . 88 | . 69 |
| 33 T 1526 | 20-20 | 350 | 1.44 | 1.10 | . 88 |
| 34 T 5608 | 8.8 | 450 | 1.17 | . 88 | 69 |
| 34 T 7530 | $10 \cdot 10$ | 450 | 1.23 | . 92 | . 72 |
| 33 T 1518 | 15-15 | 450 | 1.35 | . 97 | . 75 |
| 34 T 5609 | 16.8 | 450 | 1.32 | . 98 | . 76 |
| 34 T 5610 | 16.16 | 450 | 1.35 | 1.08 | . 82 |
| 34 T 5611 | 20.20 | 450 | 1.50 | 1.19 | . 92 |
| 34 T 5612 | 30-30 | 450 | 1.95 | 1.46 | 1.13 |
| 34 T 7531 | 40-20 | 450 | 1.77 | 1.33 | 1.09 |
| 34 T 5613 | 40-40 | 450 | 2.25 | 1.69 | 1.40 |
| 34 T 7532 | 50-30 | 450 | 2.04 | 1.90 | 1.48 |

DUAL UNITS -
SEPARATE SECTIONS

| Stock No. | Cap. MFD. | NET EACH IN LOTS OF |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | W.V. | 1.24 | 25 49 | $50-$ 99 |
| 3475614 | 15-15 | 150 | 1.37 | 1.14 | . 89 |
| 34 T 5615 | 20-20 | 150 | 1.68 | 1.10 | 85 |
| 34 T 5616 | 30-30 | 150 | 1.55 | 1.29 | 1.00 |
| 34 T 5617 | 40.20 | 150 | 1.77 | 1.32 | 1.03 |
| 34 T 5618 | 40-40 | 150 | 1.63 | 1.36 | 1.06 |
| 33 T 1541 | 70.70 | 175 | 2.00 | 1.68 | 1.31 |
| 33 T 1523 | 10-10 | 250 | 1.55 | 1.31 | 1.01 |
| 3417540 | 16-16 | 250 | 1.71 | 1.28 | 1.00 |
| 3411519 | 20.20 | 250 | 1.78 | 1.50 | 1.17 |
| 33 T 1524 | 8.8 | 350 | 1.55 | 1.30 | 1.01 |
| 3417534 | 8-8 | 450 | 1.86 | 1.39 | 1.08 |
| 33 T 1520 | 15-15 | 450 | 1.87 | 1.52 | 1.22 |
| 34 T 7536 | 16.16 | 450 | 1.68 | 1.10 | . 85 |
| 33 T 1521 | 20-20 | 450 | 2.03 | 1.71 | 1.32 |

Listing of triple and quadruple section electrolytics, continues on next page.

- Carcboard Tubular Wax-Filled Electrolytics


## continued from facing page <br> STANDARD BRANDS <br> Because no one manufacturer offers all sires, we have made this integrated list more comprehensive than any other electronic distributor. Since your order will be filled with one of the 4 famous brands illustrated. you are assured of the highest quality. -Cardboard Tubular waxed-filled Electrolytics.

Electrolytics - Dipped Mylar - Paper Capacitors tUBular electrolytics standard brand dipped mylar-paper capacitors

| TRIPLE SECTION |  | Net Exh in Lets of |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Stack Mo. Cep, Mrd. | w.v. | 1.2 |  |  |
| $34{ }^{5631}$ 20-20.20 | 150 | 1.77 | 1.32 | 1.03 |
| 34 T 7542 30-20-10 | 150 | 1.51 |  | . 08 |
| $34 \mathrm{~T}^{5632} 30$ 30-25-20 | 150 | 1.00 | 1.36 | 1.06 |
| 34 T 7513 30-30-20 | 150 | 1.17 |  | 1.06 |
| 34 T 5634 40-20-20 | 150 |  |  |  |
| T 5635 40-30-20 | 150 | 1.86 |  | . 09 |
| $34 T 563640-40-20$ | 150 | 1.66 | 1.40 | 1.09 |
| 34 T $563740-40-40$ | 150 | 1.92 | 1,44 | 12 |
| 34 T 7544 50.30.10 | 150 | 1.58 | 1.19 | 83 |
| 14 T 7545 50-30-20 | 150 |  |  |  |

34 T $5638 \quad 80.40 .20 \quad 150 \quad 1.88 \quad 1.49 \quad 1.16$ $\begin{array}{lllllllllll}31 & 1528 & 80-50.50 & 150 & 2.10 & 1.79 & 1.38\end{array}$ $\begin{array}{llllllllll}34 & 5638 & 20-20-20 & 150 / 25 & 1.74 & 1.30 & 1.01\end{array}$ 34 T $5640 \quad 30-20.100 \quad 150 / 25$ 1.41 1.30 . 36 34 T 5641 30-30-20 $150 / 25$ 1.32 $1.24 \quad .96$
 34 T $754740-40-100 \quad 150 / 25 \quad 1.921 .441 .12$ 14 T 5645 40-40-250 $150 / 10 \quad 1.95 \quad 1.46 \quad 1.13$ 34 T $5646 \quad 50-30-20 \quad 150 / 25 \quad 1.65 \quad 1.381 .07$ 34 T 5647 50.30.100 $150 / 25$ 1.92 1.441 .12
34 T $564950.30-250 \quad 150 / 25 \quad 1.26 \quad 1.48 \quad 1.13$ 34 T $5650 \quad 50.50 .20 \quad 150 / 25 \quad 1.181 .42 \quad 1.10$ 34 T $565180-20-100 \quad 150 / 25$ 1.89 1.411 .10
 33 T 1550 - 250-120-50 160/100
$2.31 \quad 1.16$. 6
33 T 1551* 200.250-10 200 3.56 1.701 .37 34 T $5853 \quad 20.20 .20 \quad 250 / 25 \quad 1.15 \quad 1.20 .80$ 34 I $565440.20-20 \quad 250 / 25 \quad 1.531 .36$ $\begin{array}{lllllll}34 & 5656 & 75-40-10 & 250 & 2.07 & 1.50 & 1.22\end{array}$ 33 T $1552^{*}$ 60-60-60 350/300

$3415659 \begin{array}{llllll}20.20-20 & 450 / 25 & 2.61 & 1.54 & 1.51\end{array}$ 33 T 1531 30-50-100 450/150)

11 T 1532 30.30.30 $450 / 350 / 57 \quad 2.241 .62$ | 13 |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1 | 1533 | $40-20-10$ | 450 | 2.76 | 2.40 | 1.74 |

QUAORUPLE UNITS | 1.24 | $25-50$. | 100 |
| :--- | :--- | :--- | :--- |
|  | 95 | 249 | Steck Ho . Cay. MFT. W.V. 34 T5660 $\quad 30-30-20-20 \quad 150 / 25$

1.741 .491 .14 .91 $\begin{array}{lllll}1.71 & 1.45 & 1.14\end{array}$ 33 T $1553 * 40 \cdot 20-20 \cdot 100 \quad 150 / 25$ 33 T $1558 *$ * $40-40-20-20 \quad 150 / 25$ $\begin{array}{llllll}34 \text { T } 5663 & 40-40-30-20 \quad 150 / 25\end{array}$
 33 T $1535 \cdot 60-40-40-20{ }^{2.071 .63}$
$\begin{array}{llllllllllll}1.91 & .95 & .74 & .65\end{array}$ 33 T $1556^{\circ}$ 140-5-200.30 350.300.200 33 T1557* 150 -100-20-100 $350 / 50$
$4.382 .15 \quad 1.671 .40$ 34 T $5665 \quad 20-20-20-20 \quad 450 / 25$
2.411 .261 .461 .18 13 $11550^{\circ} 10-80-40-40 \quad 450 / 300$ $2.54 \quad 1.47 \quad 1.14 \quad 1.01$ 31 T 1550' $10-40-80$-100 $450 \cdot 300-400 \cdot 50$ 3.071 .541 .181 .65 13 T $1560^{\circ} \quad 20.20-40-40 \quad 450$
$2.53 \quad 1.76 \quad 1.351 .21$
$\frac{\text { FIVE SECTION }}{38 \text { T } 1551 * \frac{40-20-20-20-50 ~ 300 / 50}{}}$ 2.5012


SPRAGUE ORANGE DROP

| Stect Mr. | $\begin{aligned} & 100 \\ & \text { Cap. } \\ & \text { MFD. } \end{aligned}$ | WNO MET 1.2425 | C |  |  | Stech Mo. | 00 M CAF. MFD. | MDC | Ont |  | $\begin{gathered} \text { of } \\ 248 \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 34T6701 | . 005 | . 18 | . 13 | . 10 | . 0 | 34T 241 | . 0039 | . 15 | . 10 | . 08 | . 05 |
| 14 T 8702 | . 006 | . 18 | . 13 | .10 | . 04 | 14 T 1242 | . 004 | . 15 | . 10 | . 08 | 8 |
| 34 T 5703 | . 0068 | . 18 | . 13 | . 10 | . 05 | 3411243 | . 0047 | . 15 | . 10 | . 06 | . 06 |
| 34 T6704 | . 0075 | . 18 | . 13 | . 10 | . 08 | 1415244 | . 005 | . 15 | . 10 | 08 | . 06 |
| 34 T 6705 | . 01 | . 18 | . 11 | . 10 | . 08 | $34 T 1245$ | . 0056 | . 15 | . 10 | . 08 | 05 |
| 34 T 6706 | . 015 | . 18 | . 13 | . 10 | . 08 | 34 T 1246 | . 006 | . 15 | . 10 | . 04 | . 06 |
| 34 T 5707 | . 02 | . 18 | . 13 | . 10 | . 08 | 3411247 | . 0068 | . 15 | . 10 | . 08 | . 06 |
| 14 T 6708 | . 022 | . 18 | . 13 | . 10 | . 08 | 34 T1240 | . 0075 | . 15 | . 10 | 08 | . 07 |
| 34 T 6704 | . 025 | 18 | .13 | . 10 | . 06 | 34 T 244 | . 008 | . 15 | . 10 | 0.0 | . 07 |
| $34 T 6710$ | . 03 | . 18 | . 13 | . 10 | . 08 | 34 T 250 | . 0082 | . 15 | . 10 | . 08 | . 07 |
| 3456711 | 033 | . 18 | . 13 | . 10 | .08 | 34 T 2251 | . 01 | . 15 | . 11 | . 04 | . 07 |
| 3415712 | . 04 | . 18 | . 13 | . 10 | . 08 | 34 T 252 | . 012 | . 15 | . 11 | . 04 | . 07 |
| 3456713 | . 047 | 21 | . 15 | .12 | . 10 | 34 T 2251 | . 015 | . 15 | . 11 | . 08 | . 07 |
| $34 T 6714$ | . 05 | . 21 | . 15 | . 12 | .10 | 34 T 8254 | . 02 | . 18 | . 12 | . 05 | 01 |
| 34 T 6715 | . 056 | 21 | . 16 | .12 | . 10 | 34 Te25s | . 022 | . 18 | . 12 | . 10 | . 08 |
| 3456715 | . 068 | 21 | . 16 | . 12 | . 10 |  |  |  |  | . 10 |  |
| 14 T 6717 | 075 | 21 | . 16 | . 12 | . 10 | $34 T 8250$ 34 34 | . 025 | . 18 | . 11 | . 10 | . 08 |
| $34 T 5718$ | . 15 | 21 | . 16 | . 12 | . 10 | $14 T 8257$ <br> 34 <br> 18258 | . 027 | . 18 | . 13 | . 10 | . 08 |
| 3415719 | 15 | . 27 | . 20 | . 16 | . 13 | 34 <br> 34 <br> 348258 <br> 1585 | . 03 | . 18 | . 13 | . 10 | . 08 |
| $14 T 5720$ | 2 | 27 | 20 | . 16 | . 11 | 34 <br> 34 <br> 182580 | . 033 | . 18 | . 13 | . 11 | .08 |
| $34 T 5721$ | . 22 | . 27 | .20 | . 16 | . 11 |  |  |  |  |  |  |
| $34 T 5722$ | . 25 | . 20 | 23 | . 17 | . 15 | 34 T8261 | . 039 | . 18 | . 14 | .11 | . 08 |
| 14.6723 | . 33 | . 15 | . 27 | . 21 | . 17 | 3451262 | . 04 | 21 | . 14 | . 11 | . 08 |
| $14 T 5724$ | . 47 | . 45 | . 33 | 21 | . 22 | 34 T 8263 | . 047 | . 21 | . 14 | . 11 | . 09 |
| 34 T 6125 | . 5 | . 45 | . 31 | . 27 | 22 | 34 T 8264 | . 05 | . 21 | -14 | . 11 | . 08 |
| 14 T6726 | . 68 | . 57 | . 42 | . 33 | . 25 | 14 T 2265 | . 056 | 21 | . 15 | . 12 | 9 |
| 34 T 6727 | 1.0 | 12 | 6 | . 45 | . 36 | 34 T 8265 | . 06 | 24 | . 17 | . 14 | . 11 |
| 200 WVDC |  |  |  |  |  | 34 T 1267 | . 068 | 24 | . 11 | . 14 | 11 |
| $34 T 1201$ | . 02 | . 15 | . 11 | . 03 | 07 | 34 34 TE268 | .075 .082 | . 24 | . 18 | . 14 | . 11 |
| 34 T 2202 | . 022 | . 15 | . 11 | . 09 | . 07 | 34 T 1270 | . 1 | 27 | . 18 | . 15 | . 12 |
| $34 T 8203$ | . 047 | . 18 | . 12 | . 09 | 08 |  |  |  |  | 20 | . 16 |
| 3418204 | . 05 | . 18 | . 18 | . 11 | 08 | 3418271 | . 2 | . 42 | . 25 | . 25 | . 20 |
| 34 TE205 | 1 | 21 | . 14 | . 11 | 05 | 34TE272 | . 22 | .42 | . 32 | . 25 | . 20 |
| 34 Te206 | . 15 | . 24 | . 16 | . 13 | . 10 | 34 T 1274 | . 25 | .45 | . 22 | . 25 | . 20 |
| $34 T 8207$ | . 2 | . 27 | . 18 | . 15 | .12 | 34 T Ge26 | . 33 | . 45 | .13 | .25 | . 20 |
| 34 T 208 | . 22 | . 27 | . 18 | . 15 | . 12 | 34 1 5 |  |  |  |  |  |
| 14.18205 | . 25 | 27 | . 20 | . 16 | .13 | 34 T6227 | . 47 | . 57 | . 42 | 32 | 26 |
| 3418210 | . 33 | . 16 | 27 | 21 | . 17 | 14 T 682 | . 5 | . 50 | . 85 | . 61 | 54 |
| 34 T 211 | . 47 | . 42 | .12 | 25 | 20 | 1000 WVDC |  |  |  |  |  |
| 3418212 | 5 | . 45 | 32 | 25 | 20 |  |  |  |  |  |  |
| 400 WVDC |  |  |  |  |  | 3418275 | . 0015 | . 15 | . 10 | . 08 | . 06 |
| 34 T8213 | . 01 | . 15 | . 10 | . 08 | . 66 | 1418277 | . 002 | . 15 | .10 | . 08 | . 06 |
| 34 T 2214 | . 015 | . 15 | . 10 | 04 | . 06 | $14 T 827$ | . 0022 | . 15 | . 10 | . 08 | . 06 |
| 34 T 8215 | . 02 | . 15 | .11 | . 05 | . 07 | 14 T 1279 | . 003 | . 15 | . 11 | . 08 | . 07 |
| $34 T 1216$ | . 022 | . 15 | . 11 | . 09 | . 07 | 14 T 8200 | . 004 | . 15 | . 11 | . 09 | . 07 |
| 14 T 217 | . 025 | . 18 | . 12 | . 05 | 0 | 3411201 | . 0047 | . 15 | . 11 | . 09 | . 07 |
| 34 T 8218 | . 03 | . 18 | . 12 | . 10 | . 08 | 34 T 1232 | . 005 | . 15 | . 11 | 08 | 11 |
| 3478219 | . 033 | . 18 | . 12 | .10 | as | 1600 WVDC |  |  |  |  |  |
| $34 T 8220$ | . 04 | 21 | . 14 | .11 | . 09 |  |  |  |  |  |  |
| 34 T 8221 | . 047 | 21 | . 14 | .11 | 08 | 3418283 | . 0005 | 21 | . 15 | . 12 | . 10 |
| 34 T 8222 | . 05 | . 21 | . 14 | .11 | . 08 | 34 T 2204 | . 001 | 21 | . 15 | . 12 | . 10 |
| 3411223 | . 056 | . 21 | . 15 | . 11 | . 08 | $34 T 8235$ | . 0015 | 21 | . 15 | . 12 | . 10 |
| 34 T 8224 | . 068 | 21 | . 15 | .11 | . 08 | 345826 | . 002 | 21 | . 15 | . 12 | . 10 |
| 34 T 2225 | . 075 | 24 | . 16 | . 13 | . 10 | 14 T 2207 | . 0022 | 21 | . 16 | . 12 | . 10 |
| 3418225 | . 1 | 24 | .17 | . 13 | . 10 | 34 \%280 | . 003 | 24 | . 17 | . 13 | . 10 |
| 3478227 | . 15 | 27 | . 20 | . 16 | . 13 | 34 TE2es | . 0033 | 24 | . 17 | . 13 | . 10 |
| 34 T 4228 | 2 | 13 | . 25 | . 18 | . 15 | 34 T 8290 | . 004 | . 24 | . 18 | . 14 | . 11 |
| 3418229 | 22 | 33 | . 25 | . 19 | . 15 | 14 T 2291 | . 0047 | 24 | . 18 | . 14 | .11 |
| 34 T8230 | . 25 | . 36 | . 25 | . 20 | . 16 | 34 T 2232 | . 005 | . 27 | . 19 | . 15 | . 12 |
| 3416779 | . 27 | . 8 | . 28 | . 22 | . 18 |  |  | 27 | . 11 | . 15 | . 12 |
| $34 T 6700$ | . 33 | . 54 | . 48 | . 44 | . 12 | $\begin{aligned} & 14 \text { T } 2233 \\ & 14 \text { T } 8294 \end{aligned}$ | $\begin{aligned} & .006 \\ & .0068 \end{aligned}$ | . 27 | . 18 | . 15 | . 12 |
| 34 T 6781 | . 47 | . 68 | . 59 | 52 | . 40 | 345295 | . 007 | I7 | . 20 | . 15 | . 12 |
| 34 T 6782 | . 5 | . 72 | .65 | . 55 | . 43 | 34 T 8285 | . 0075 | 27 | . 20 | . 15 | . 12 |
| 600 WNDC |  |  |  |  |  | 34 T 2297 | . 008 | . 27 | . 20 | . 15 | 12 |
| 1418231 | . 001 | .15 | . 10 | O8 | 06 | $34 T 3294$ | . 01 | . 30 | 21 | . 18 | .18 |
| 34 T 8232 | . 0012 | . 15 | . 10 |  | . 06 | $34 T 143901$ | . 015 | 42 | 10 | . 28 | . 11 |
| 34 T 8233 | . 0015 | . 15 | . 10 | .08 | . 06 | $3{ }^{4} \mathrm{~T} 8302$ | . 022 | . 42 | . 10 | . 21 | . 18 |
| 14 T 1234 | . 0018 | . 15 | . 10 | 0 | 0 | 34 T 8302 | . 03 | . 45 | . 12 | . 25 | .20 |
| 34 T 2235 | . 002 | . 15 | . 10 | . 08 | . 06 | 34 T ${ }^{4}$ |  |  |  |  |  |
| $34 T 1235$ | . 0022 | . 15 | . 10 | 08 | 06 | $\begin{aligned} & 34 \text { T } 8304 \\ & 14 \text { T } 8305 \end{aligned}$ | $\begin{aligned} & .04 \\ & .05 \end{aligned}$ | $\text { . } 51$ | $.37$ | $24$ | $23$ |

2000 WVDC

| 34 | 7825 | .001 | 21 | .15 | .13 |
| :--- | :--- | :--- | :--- | :--- | :--- |

# Twist Prong Capacitors 

# CORNELL DUBILIER TYPES AA-BB-CC-DD <br> aerovox TYPE AFH 

 STANDARD BRANDS:

Because no one manufacturer makes all one of the famous brands listed above.
sizes. we have made this comer integrated list. Orders will we filled with dideal for high ripple selenium rectifier

SINGLE SECTION TWIST PRONG

| Stock No. | mid. | ocwr size |  | $\begin{aligned} & \text { NET EACH } \\ & 1.24 \quad 25-49 \\ & \hline \end{aligned}$ |  | Stock No. | mid. | ocwv | size |  |  | Stock No. | mid. | ocwv |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 15 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 34 T 8477 | 4000 | 15 | M | 2.25 | 2.20 | 3477615 | ${ }_{300}$ | 150 |  |  |  |  | 150 | 350 | N | 2.37 | 1.50 |
| 17596 | 500 | 25 | c | 1.53 | . 87 | 3415 | 120 | 200 | j | 1.38 | 1.00 | 34T7631 | 10 | ${ }_{4}^{450}$ | c |  | 65 |
| 3475799 |  | 25 | , | 2.13 | 1.38 | 34176 | 160 | 200 | $t$ | 1.89 | 1.10 | 34 T 7634 | 40 | 450 |  | 1.08 | . 72 |
| 34 T 7602 | 500 | 50 | A | 159 | . 58 | 34 | 100 | 250 | F | 1.62 | . 89 | 34 T 76 |  | 450 |  |  | 81 |
| 7603 | 1000 | 50 | N | 2.25 | 1 | 3 | 150 | 250 |  | 1.86 | 1.17 | 34 | 100 | 450 |  | 2.07 | 47 |
| 7604 | 150 | 50 |  | ${ }_{2} 2.54$ |  | 34 | 160 | 250 | k | 86 |  |  | 125 |  |  |  |  |
| 608 |  | 150 | D | 2.20 | 1.7 | 34, 7622 | 200 | 250 |  | 19 | 36 | 34 |  |  |  | 2 |  |
| 751 | 120 | 150 |  | 1.29 | 92 | 335 | 100 | 300 |  | 1.74 | 98 | 34 | 0 | 500 |  | 11 |  |
| 7611 |  | 150 | E |  | . | 34 | 20 |  |  | 2.71 | 2.09 | 476 | 30 | 500 |  |  | 9 |
| 7612 |  | 150 | c | 1.29 | 83 | 34, 7 \% | 50 |  |  | 3.33 | 1.74 | 34 | 40 |  |  | 50 |  |
|  | 150 | 150 |  | 1.29 | 99 |  |  |  | k |  |  | 3417645 | 80 |  |  |  |  |
|  |  |  |  | 1.29 |  |  | 25 |  |  | 2.37 |  |  | 0 |  |  |  |  |

## DUAL SECTION TWIST PRONG

| Stock No. | Cap. Mid. | DCWV | Size | $\begin{gathered} \text { NET } \\ 1-24 \end{gathered}$ | $\begin{aligned} & \text { EACH } \\ & 25-49 \end{aligned}$ | Stock No. | Cap. Mid. | DCWV | Size | $\begin{gathered} \text { NET } \\ 1-24 \\ \hline \end{gathered}$ | $\begin{aligned} & \text { EACH } \\ & 25-49 \end{aligned}$ | Stack No. | $\begin{aligned} & \text { Cap. } \\ & \text { Mfo. } \end{aligned}$ |  | sire | $\begin{aligned} & \text { NET } \\ & 1-24 \end{aligned}$ | $\begin{aligned} & \text { EACH } \\ & 25-49 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 34 T 5804 | 1000-1000 | $\bigcirc 15$ | K | 2.64 | 1.54 | 3417648 | 20-20 | 250 | C | 1.14 | . 78 | 34 T 7696 |  | OCWV | size | $1-24$ |  |
| 34 T 7668 | $50 \cdot 50$ | 50 | C | 1.02 | . 73 | 34 T 7649 | 40-40 | 250 | E | 1.50 | . 90 | 3477697 | 30.10 |  | E | 1.53 | 96 |
| 34 T 7670 | 20.20 | 150 | c | 1.26 | . 71 | $34 T 7650$ | 200-200 | 250 | Q | 3.63 | 2.05 | 34 T7698 | 30.30 | 450 | K | 1.83 | 1.96 |
| 34 T 7672 | $30-30$ | 150 | c | 1.11 | . 76 | 34 T 7651 | 150.100 | 300.150 | N | 2.70 | 1.59 | 34 T 7701 | 40-40 | 450 | $L$ | 2.07 | 1.42 |
| 34 T 7673 | 40.20 | 150 | C | 1.11 | . 76 | 34 T 5803 | 80.20 | 35 | K | , | 1.45 | 34 T 7702 | 50-50 | 450 | $L$ | 2.31 | 1.56 |
| 34 T 7675 | 40-40 | 150 | C | 1.14 | 80 | 34 T 7656 | 80.40 | 350 350 | K | 2.10 | 1.31 | 3417706 | 80.20 | 450 | $N$ | 2.34 | 1.56 |
| 3417676 | 50-30 | 150 | C | 1.20 | . 80 | 34 T 8482 | 100-60 | 350 | k | 2.46 | 1.41 | 34 T 7707 | 80.40 | 450 | N | 3.03 | 1.72 |
| $34 T 7677$ | 50-50 | 150 | 0 | 1.29 | . 83 | 34 T 7658 | 100-100 | 350 | K | 2.88 3.69 | 1.62 | 34 T 7708 | 100-40 | 450 | Q | 2.91 | 1.88 |
| 34 T 7678 | 60.60 | 150 |  | 1.41 | . 87 | 3477659 | 160.10 | 350 | N | 2.89 2.58 | 1.85 | 34 T 710 | 15-15 | 475 | D | 1.41 | . 92 |
| 34 T 7679 | 70.30 | 150 | D | 1.32 | 83 | 34 T 7661 | 80.80 | 400 | N | 2.58 | 1.65 | $34 T 7714$ | 20-20 | 500 | K | 1.71 | 1.22 |
| 3417681 | 80-40 | 150 | D | 1.38 | 1.02 | 34 T 7662 | 120-4 | 400 | a | 2.97 | 1.90 | 3417715 | 30-10 | 500 | K | 1.56 | 1.07 |
| 33 T 1537 | 80.50 | 150 | D | 1.44 | . 88 | 34 T 8328 | $80-2$ | $450-350$ |  |  |  | $33 T 1539$ | 30.30 | 500 | $\underline{L}$ | 1.95 | 1.43 |
| 34 T 7688 | 200.5 | 200 | K | 1.83 | 1.37 | 34 T 7694 | 10-10 | 450 | C | 1.14 | 1.41 |  | 40.40 | 500 | N | 2.58 | 1.63 |

## TRIPLE SECTION TWIST PRONG

| Stock No. | Cap. Mrd. | WVDC | Size | Ea |
| :---: | :---: | :---: | :---: | :---: |
| 34 T 7958 | 80.60-250 | 150-150.10 | K | 2.04 |
| 34 T 7961 | 40-40-200 | 150-150-25 | E | 1.68 |
| 34 T 7963 | 50-30-20 | 150-150.25 | c | 1.50 |
| 34 T 7964 | 80-40-20 | 150-150-25 | D | 1.68 |
| 34 T 7966 | 40.20.20 | 150 | c | 1.44 |
| 34 ז 7967 | 40-30-20 | 150 | c | 1.50 |
| 3417969 | 40.40.40 | 150 | 0 | 1.56 |
| 3417971 | 50-50-50 | 150 | E | 1.80 |
| 3417972 | 60-40-20 | 150 | 0 | 1.65 |
| 34 T 7973 | 80-40.20 | 150 | E | 1.74 |
| 3417977 | 60.5-20 | 200-200.50 | 0 | 1.50 |
| 34 T 7979 | 20-20-20 | 250 | c | 1.56 |
| 34 T 7980 | 40.20.20 | 250 | E | 1.74 |
| 34 T 7982 | 140.100-60 | 300-300.50 | Q | 3.63 |
| 3477984 | 80-40-40 | 300 | L | 2.85 |
| 34 T 7986 | 60-200-30 | 350-150-150 | N | 3.00 |

## QUADRUPLE SECTION TWIST PRONG

| Stock No. | Cap. Mrd. | WVOC | Size Ea. |  | Stock No. | Cap. Mfo. | WVOC | Size Ea. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 34 T 7987 | 125.5-100 | 350-200.75 | N | 3.18 | 3477421 | 40-40.80 | $450-450-350$ | Size Ea. |
| 34 3479990 34791 | 20.10 .20 20.20 .20 | 350.350 .25 $350-350.25$ | C | 1.53 | 3477422 | 10-10-10 | $450-450-350$ | $\begin{array}{ll}0 & 3.33 \\ 0 & 1.56\end{array}$ |
| 3417993 | 80.40-100 | $350-350.25$ $350-350-200$ | - | 1.74 3.27 | 33 T 1540 <br> 34 <br> 1423 | 20-10-10 | 450 | E 1.74 |
| 3417994 | $100.60-20$ | 350.350-250 | Q | 3.30 | 34 ¢ 7424 | -30-20-20 | ${ }_{450}^{450}$ | 2.16 |
| 34 T 7998 | 20-20-20 | $400 \cdot 400.25$ | E | 1.71 | 34 T 7425 | 30.30-30 | 450 | 2.61 |
| $34 T 7404$ | 100-10-80 | 400.400-350 | 0 | 3.65 | 34 T 7427 | 40-10-10 | 450 | 2.61 |
| 34 T 7408 | 10-10-20 | $450-450-25$ | c | 1.44 | 34 T7428 | 40-30-20 | 450 | 2.01 2.58 |
| 34 T 7409 | 20-20-20 | 450-450.25 | E | 1.83 | 3417429 | 40-40-10 | 450 | 2.49 |
| $34 T 7411$ | 40-40-20 | 450-450-25 | L | 2.34 | 3417430 | 40-40-20 | 450 | N $\quad 2.67$ |
| 34 T 7414 | 30.10-150 | 450-450-50 | K | 2.10 | 34 T 7431 | 40.40-40 | 450 | N 2.94 |
| $34 \% 7416$ 347417 | 40-40.100 | 450-450.50 | N | 2.58 | 34.7434 | 60-40-20 | 450 | 3.00 |
| 34 ¢7418 | 80.20 .100 $40.10-80$ |  | Q | 2.88 | 3417435 | 80-40-20 | 450 | 3.24 |
| 34 T 7419 | $40.40 \cdot 60$ | 450.450 .200 | L | 34 |  | 40-20-20 | 475 | 2.85 |
| 34 T 7420 | 40-40-100 | $450-450-200$ | N | 2.67 2.97 | 34 <br> 3477438 | 40-30-10 | 475 | 2.70 |


| Stock No. | Cap. Mid. | WVDC | Size | $1.24$ | $\begin{aligned} & \text { ET EA } \\ & 25.49 \end{aligned}$ | $50-99$ | Stock No. |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 34 T 7441 | 50.40-160-40 | 150-150.25-25 | Size | 2.13 |  |  | 34 T 8330 | Cap. Mid. | WVOC | Size | 1.24 |  | 50.99 |
| 34 T 7442 | $60-40-20-200$ | 150-150-150-10 | J | 2.13 2.07 | 1.22 | . 95 | 34 T 8330 34 T 8331 | $30-20 \cdot 160 \cdot 40$ | $450-450-250-150$ | P | 3.54 | 1.94 | 1.51 |
| 3477445 | $80-40-40-40$ | 150-150.150-25 | $k$ | 2.16 | 1.26 | . 98 | 34 T 7481 | $80-50-20-50$ | $450 \cdot 450-250-50$ | P | 3.57 | 2.05 | 1.60 |
| 34 T 7446 | 80-40-40-100 | 150-150-150-25 | K | 2.25 | 1.29 | 1.01 | 34 T 8332 | $40-40-30-30$ $80.50-10-20$ | 450-450-350-350 | Q | 3.54 | 1.90 | 1.48 |
| 34 T 5809 | 100-10-200-30 | 300-300-150-150 | R | 3.54 | 1.82 | 1.42 | 34 T7484 | $80 \cdot 50-10-20$ $40-30-10.20$ | $450-450-450-25$ $450-450-450.25$ | P | 3.48 3.70 | 1.98 | 1.54 |
| $34 T 7450$ $34 T 5810$ | $40-20-20-25$ $60-100 \cdot 60-40$ | 300-300-300-25 | J | 2.40 | 1.28 | 1.00 | 34 T 8495 | 80-40-40-40 | $450-450-450.25$ $450-450-450-25$ | P | 2.70 3.87 | 1.60 2.21 | 1.25 1.72 |
| 34 T 7463 | $60-100 \cdot 60-40$ $40.40-40$ | $350-350-200-75$ $350-350-350-25$ | 0 | 3.55 | 2.74 | 2.05 | 34 T 7492 | 10-10-10-10 | 450 |  | 2.01 | 2.21 1.25 | 1.72 .98 |
| 34 T 8491 | 70-40-10-50 | 350-350-350-50 | L | 3.12 3.15 | 1.59 | 1.24 1.25 | 34 T 7493 | 20-20-20-20 | 450 | L | 2.82 | 1.58 | 1.23 |
| 34 T 8490 | 100-20-10-20 | 350-350-350-50 | M | 3.24 | 1.65 | 1.25 | 3417494 | 30.30-20-20 | 450 | N | 3.12 | 1.72 | 1.34 |
| 34 T 7470 | 30-20-5-100 | 350-350-350-200 | , | 2.82 | 1.65 | 1.25 | 34 T 7495 | 35-35-10-5 | 450 | N | 2.76 | 1.63 | 1.27 |
| 3417457 | 40.40-40-40 | 350 | N | 3.60 | 1.80 | 1.40 | 3477496 | 40-10-10-10 | 450 | I | 2.46 | 1.50 | 1.17 |
| 34 T 8493 | 80-60-40-20 | 350 | N | 3.84 | 1.99 | 1.55 | 34 T 7497 | 40-20-10-10 | 450 | 1 | 2.67 | 1.57 | 1.22 |
| 34 T 7466 | 40.80-100-25 | 400-350-200-50 | 0 | 3.57 | 1.91 | 1.55 | 34 T 7498 | 40.35-10.10 | 450 | 1 | 2.88 | 1.68 | 1.31 |
| 34 T 7469 | 100-10-30-20 | 400-400.50-50 | N | 3.06 | 1.75 | 1.49 | 34 T 7301 | 40-40-20-20 | 450 | P | 3.33 | 1.90 | 1.48 |
| 3477471 | 80-40-10-20 | 400.400-400-25 | N | 3.18 | 1.87 | 1.46 | 34 T 7303 | 40-40-40-40 | 450 | P | 3.87 | 2.19 | 1.70 |
| 34 T 7472 | 80-40-10-100 | 400-400-400-200 | N |  | 2.08 | 1.62 | 34 T 7305 | 80-10-10-10 | 450 | N | 3.03 | 1.83 | 1.42 |
| 34 T 743 | 80-40-30-40 | 400-400-400.25 | 0 | 3.57 | 2.01 | 1.57 | 34 T 7307 | 20-80-20-10 | 475-300.300-300 | M | 3.00 | 1.60 | 1.25 |
| 34 T 7475 | 20-80-20-50 | 450-200-200-50 |  |  |  |  | 34 T 7309 | 10-40-4-100 | 475-400.350-50 | K | 2.43 | 1.41 | 1.10 |
| 34 T 8329 | 20-160-50-50 | 450-250-75-50 | p | 2.46 |  | 1. | $34 \% 7310$ | 10-50-30-30 | 475-450-450-25 | N | 2.85 | 1.68 | 1.30 |
|  |  |  |  |  |  |  | 731 | 20-20-10-10 | 475 | K | 2.61 | 1.49 | 1.16 |

# Mallory－Aerovox－EImenco－Sangamo 

MALLORY CG COMPUTER GRADE
CAPACITORS
AEROVOX P8292ZW PLASTIC－CASED METALIIZED PAPER TUBULARS

Uitra－reliable，aluminum electrolytic capaci－ tors with safety vent for positive protec－ tion．With Mylar insulating sleeve．Temp． Range：$-20^{\circ} \mathrm{C}$ to $+85^{\circ} \mathrm{C}$ ．Volerance： 0 150 WVDC，$-10,+75 \%$ ； 200 WVDC up， $-10 .+50 \%$ ．

| cck mo | MN． | WVDC sire |  | $\begin{aligned} & \text { Net Exch } \\ & 1-490.99 \end{aligned}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 T 5700 | 36,0 |  | 0 | 2.61 | 1.47 |
| 30 r 5701 | 8.200 | 10 | c | 2.44 | 2.23 |
| 30 r 5702 | 18，000 | 10 | D | 4.58 | 3.61 |
| 30 Y 5703 | 2，500 | 15 | A | 1.87 | 1.55 |
| 30 \％ 5704 | 14.000 | 15 | D | 4.47 | 3.51 |
| 30 Y 5705 | 34，000 | 15 | F | 7.11 | 5.58 |
| $30 \% 5706$ | 1，500 | 25 | A | 1.72 | 1.35 |
| 30 r 5707 | 6，000 | 25 |  | 3.23 | 2.54 |
| 30 Y 5700 | 20，000 | 25 | F | 6.55 | 5.1 |
| 30 r 5709 | 31，500 | 25 | G | 78 | 6.80 |
| 30 Y 5710 | 800 | 50 | A | 1.74 | 1.1 |
| 3075711 | 2.000 | 50 |  | 2.29 | 1. |
| 30 T 5712 | 3，300 | 50 | ${ }^{k}$ | 3.25 | ． |
| 301571 | 10.000 | 50 |  | 6.70 | 3． 2 |
| 3015714 | 600 | 75 | A | 2.01 |  |
| 30 r 5715 | 2.500 | 75 |  | 3.78 | 2. |
| 3015716 | 3.450 | 75 | D | 4.08 | 3.17 |
| 3015717 | 8.200 | 75 |  | 7.25 | 5.70 |
| 30 T 5718 | 12.500 | 75 | G | 3.45 | 7. |
| $30 \% 5718$ | 400 | 100 |  | 2.01 | 1．58 |
| 30 Y 5120 | 1.000 | 100 | C | 2.73 | 2.15 |
| 30 T 5721 | 2.250 | 100 |  | 4.12 | 3.23 |
| 30 T 5722 | 275 | 150 | A | 1.63 | 1.29 |
| 30 T 5723 | 1.550 | 150 |  | 4.01 | 3.15 |
| 30 \％ 5724 | 5，600 | 150 | G | 8.87 | 7.76 |
| 3015725 | 1.000 | 200 | 0 | 4.51 | 3. |
| 30 r 5726 | 2.450 | 200 |  | 8.83 | 5.37 |
| 30 r 5727 | 3，800 | 200 | G | 12.26 | ． |
| 30 T 5720 | 375 | 250 |  | 2.98 | 2.35 |
| 30 Y 5729 | 800 | 250 | 0 | 4.72 | 3.71 |
| 30 Y 5730 | 1，900 | 250 |  | 7.60 | 5.97 |
| 30 T 5731 | 3，000 | 250 | G | 10.16 | ． 00 |
| 30 P 5732 | 700 | 300 |  | 4.14 | 3.72 |
| 30 r 5738 | 1.650 | 300 |  |  | 6.65 |
| 30 F 5734 | 100 | 350 | A | 2.43 | 1.91 |
| $\begin{aligned} & 30 广 5735 \\ & 30 Y 5736 \end{aligned}$ | 550 2.000 | 350 350 |  | 5.10 10.63 | ${ }^{4.01}$ |
| 30 ז 5737 | 325 | 400 | D | 1.60 | 2.99 |
| 30 T 5738 | 40 | 450 | A | 1．00 | 1.41 |
| 30 ז 5739 | 240 | 450 | D | 1.4 | 2.69 |




Plastic case construction．Operates from $-30^{\circ} \mathrm{C}$ to $\pm 100^{\circ} \mathrm{C}$ at full rated voltage． Completely free of wax coating to facilitate use of automatic insertion and assembly equipment．roterance $\pm 20 \%$ ．


| 34 T 7195 | ． 01 \％／41／321 | 4 | ． 26 | ． 20 | 8 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 34 17196 | ． $021 / 4 x^{2} x_{2}{ }^{\prime \prime}$ | 44 | ． 26 | 20 | 8 |
| 34 r 7797 | ． 03 | ． 45 | ． 26 | 20 |  |
| 3417788 | ． $05 \%$ | 45 | ． 26 | 20 | 8 |
| 34 r 7798 | 1 | 47 | 24 | 21 |  |
| 34 rc 801 | 25 1／2x | 64 | 39 | 30 | 7 |
| 3417002 | 5 3 ${ }_{6} \times$ | ． 80 | ． 47 | 36 | 2 |
| 34 r 7603 | 1.0 | 1.07 | 62 | 48 | ． 43 |
| 34 r 7804 | 2.0 \％x1 | 1.46 | ． 85 | 66 |  |
| 34 T 7315 | 3.0 1／ax | 1.00 | 1.20 | 1.0 | ． 72 |
| 34 T 7316 | $4.0{ }^{1} x_{1} \times 1$ | 2.25 |  | ． 31 |  |
| 3417317 | 5.0 \％$\times 1{ }^{11}$ | 2.70 |  | 1.58 |  |
| 3487318 | 6.0 ＇K．x1＇ | 3.45 |  |  |  |
| 3477319 | 8.0 1 ${ }_{1} \times 2{ }^{2 \%}$ | 4.35 |  | 2.5 | 1.74 |
| 7320 | 10.0 1×23／4 |  |  |  |  |
| 400 wVoc |  |  |  |  |  |
| 3477805 |  | 4 | ． 26 | ． 20 |  |
| 34174067 | 023 \％ | ． 45 | ． 26 | ． 20 |  |
| 3417807 | ． 03.3 3 | 45 | ． 26 | ． 20 |  |
| 3457808 | ． 053120 | 47 | 28 | 21 |  |
| 34 r 7609 | 15 | ． 51 | 30 | ． 23 | 20 |
| 34 r 7810 | 25 x，$\times 1$ | ． 14 | 43 | ． 33 | ． 30 |
| 34 r 7811 | \％1130 | 95 | ． 51 | 43 | ． 51 |
| 34 r 7812 | $1.0{ }^{11 / 4515}$ | 1.32 | ． 77 | co | 5 |
| 34 r 713 | 2.0 7／821／2m | 1.86 | 1.09 | 8 | 75 |
| 34 T7321 | 3.0 1x2\％／2 |  |  | ． 54 |  |
| 4 17322 | 4.0 1x35\％ | 3.38 |  |  |  |

## 600 WVDC

| 3457014 |  | ． 78 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 71 |  | 81 | ． 47 | 38 |  |
| 34781 |  | 4 | ． 49 | ． 31 |  |
| 34 r 7017 |  | 47 | ． 51 | 41 | ， |
| 34 T7818 | .1 Kd | ． 23 | ． 54 | ． 43 |  |
| 34 r 7619 | ． 25 \％ 6 | 96 | ． 56 | 45 |  |
| 34 \％ 7820 | $51 \%$ | ． 32 | ． 77 |  |  |
| r7821 | 1.0 | 1.53 | ． 8 | 11 |  |
| 34 r 7122 | $2.01 \times 23$ | 2.3 |  |  |  |
| 34 r 7323 | 3.0 1x3 |  |  |  |  |



## TYPE DM－10（CM04）DIPPED SILVERED MICA CAPACTTORS

Meets all the electrical requirements of military spec．MIL．C．SC and EIA specification RS－153．All are $5 \%$ tolerance except ${ }^{*}=$ min tolerance $\pm 1.0$ $\mathrm{mmf} . \cdots= \pm 10 \%$ ．All 500 WVDC except $\ddagger$ is 300 WVDC and $t$ is 100 WVOC ．

| Steck No． | Cap. | DM10－ Tyse | $\begin{gathered} \text { MET } \\ \text { 1-24 } \end{gathered}$ | $\begin{aligned} & \text { EACH } \\ & 25-98 \end{aligned}$ | $\begin{aligned} & 100- \\ & 498 \\ & \hline \end{aligned}$ | Stock Me． | Cap． MMF | $\begin{aligned} & \text { DM10- } \\ & \text { Type } \\ & \hline \end{aligned}$ | $\begin{gathered} \text { MET } \\ 1-24 \\ \hline \end{gathered}$ | $\begin{aligned} & \text { EACH } \\ & 25-99 \end{aligned}$ | $\begin{array}{r} 100- \\ 499 \\ \hline \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 T 3501 | 1 | 010 | ． 18 | ． 111 | ． 114 | 30 Y 3522 | 62 | 620 | 27 | 248 | ． 162 |
| 30 T 3502 | 2 | 020 | ． 19 | ． 171 | ． 114 | 30 T 3523 | 68 | 680 | ． 27 | 243 |  |
| $30 \% 3503$ | 3 | 030 ＊ | ． 19 | ． 171 | ． 114 | 10 T 3524 | 75 | 750 | ． 27 | 243 | ． 162 |
| 30 \％ 3504 | 5 | 050．＊ | ． 19 | ． 171 | ． 114 | 30 T 3525 | 82 | 820 | ． 27 | 243 | ． 162 |
| 30 T 3505 | 10 | 100 | ． 31 | ． 279 | 186 | 30 T 3526 | 91 | 910 | ． 27 | 243 | ． 162 |
| 30 Y 3506 | 12 | 120 | ． 31 | 279 | ． 186 | 30 T 3527 | 100 | 101 | ． 27 | 243 | ． 162 |
| 30 T 3507 | 15 | 150 | ． 31 | ． 279 | ． 186 | 30 T 352 ： | 110 | 111 | .27 | 243 | ． 162 |
| 30 r 3508 | 18 | 180 | ． 31 | 279 | ． 148 | 30 Y 3529 | 120 | 121 | ． 31 | 279 | ． 186 |
| 30 Y 3509 | 20 | 200 | ． 24 | ． 216 | ． 144 | 30 Y 3530 | 130 | 131 | ． 31 | 279 | ． 186 |
| 30 T 3510 | 22 | 220 | ． 24 | ． 216 | ． 144 | 30 Y 3531 | 150 | 151 | 34 | ． 306 | ． 204 |
| 375511 | 24 | 240 | 24 | ． 216 | ． 144 | 2 \％ 3532 | 160 | 161 | ． 38 | .342 | ． 220 |
| 30 T 3512 | 27 | 270 | ． 24 | ． 216 | ． 144 | 30 T 3533 | 180 | 181 | ． 42 | ． 378 | ． 252 |
| 30 T 3518 | 30 | 300 | ． 24 | ． 216 | ． 144 | 30 T 3514 | 200 | 201 | ． 42 | ． 378 | ． 252 |
| 30 Y 3514 | 33 | 330 | ． 24 | ． 216 | ． 144 | 30 T 3535 | 220 | 221 | 46 | 414 | ． 276 |
| 30 Y 3515 | 36 | 360 | ． 24 | 216 | ． 144 | $30 \% 3536$ | 240 | 241 | ． 48 | .432 | ．288 |
| 30 T 351 告 | 39 | 390 | ． 24 | ． 216 | ． 144 | 30 T 3537 | 250 | 251 | 48 | 432 | 27 |
| 30 T 517 | 43 | 430 | ． 24 | ． 216 | ． 144 | 30 T 3538 | $270 \dagger$ | 271 | ． 46 | 414 | 276 |
| 30 T 3518 | 47 | 470 | ． 27 | 143 | ． 162 | 10 3538 | 3004 | 301 | 5 |  | 30 |
| 20 T 3518 | 50 | 500 | ． 27 | ． 243 | ． 162 | 313540 | 3301 | 331 | 5 | ． 45 | 18 |
| 30 T 3520 | 51 | 510 | ． 27 | －243 | ． 162 | 10 \％ 3541 | $360 \dagger$ | 361 | 53 | ． 417 | ． 116 |
| 3521 | 56 | 560 | 27 | 243 | ． 162 | 10 T 3513 | $390 \dagger$ | 391 | 5 | ． 504 | ． 335 |

## TYPE DM－19（CMO6） DIPPED SILVER MICA CAPACITORS

TYPE DM－19（C style CMOs）Operate from -55 to $150^{\circ} \mathrm{C}$ ．Meets all electrical require－ ments of mil spec MIL－C．SC and EIA spec RS－153．Capacitance values $430-4700 \mathrm{mmf}$ bear CMO6 type designations．All have $\pm 5 \%$ tolerance．All 500 DCWV except－ 300 WV and $\dagger 100 \mathrm{WV}$

| Stack Mo． | Cap． MMF | $\begin{aligned} & \text { OM-18 } \\ & \text { Iype } \end{aligned}$ | $\begin{gathered} \text { NE1 } \\ \hline 1.24 \end{gathered}$ | $\begin{aligned} & \text { YEACH } \\ & 25-98 \\ & \hline \end{aligned}$ | $\begin{array}{r} 106- \\ 489 \\ \hline \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 T 3542 | 100 | 101 | ． 20 | ． 18 | ． 12 |
| 30 T 3543 | 110 | 111 | 20 | ． 18 | ． 12 |
| 30 Y 3544 | 120 | 121 | ． 20 | ． 18 | ． 12 |
| 30 T 3545 | 130 | 131 | ． 22 | ． 138 | ． 132 |
| 30 T 3546 | 150 | 151 | ． 22 | ． 198 | ． 132 |
| 30\％ 1547 | 160 | 161 | ． 22 | ． 198 | .132 |
| $30 \% 3540$ | 180 | 181 | ． 22 | ． 198 | ． 132 |
| 30 \％ 3549 | 200 | 201 | ． 12 | ． 188 | ． 132 |
| 30 T 3550 | 220 | 221 | 22 | ． 198 | ． 132 |
| 30 「3551 | 240 | 241 | 24 | ． 216 | ． 14 |
| 30 T 3552 | 250 | 251 | ． 24 | ． 216 | ． 144 |
| 30 r 3553 | 270 | 271 | ． 27 | ． 243 | ． 162 |
| 30 r 3554 | 300 | 301 | ． 27 | ． 243 | ． 162 |
| 30 T 3555 | 330 | 331 | 21 | ． 243 | ． 162 |
| 30 Y 3556 | 360 | 361 | .31 | ． 279 | ． 185 |
| 30 \％ 3557 | 390 | 391 | ． 31 | ． 278 | ． 186 |
| 30 r 355 | 430 | 431 | ． 31 | ． 278 | ． 186 |
| 30 \％ 3559 | 470 | 471 | ． 34 | ． 306 | 204 |
| 30 r 3560 | 500 | 501 | ． 34 | ． 306 | ． 204 |
| 30 『 3561 | 510 | 511 | ． 34 | 306 | ． 204 |
| 3073562 | 560 | 561 | ． 34 | ． 313 | 204 |
| 30 T 3563 | 620 | 621 | ． 37 | 313 | ． 222 |
| 30 T 3564 | 680 | 681 | ． 37 | ． 313 | ． 222 |
| 30 \％ 3565 | 750 | 751 | .41 | ． 369 | ． 245 |
| 30 \％ 3566 | 820 | 821 | ． 4 | 396 | ． 264 |
| 30 T 3551 | 910 | 911 | .44 | ． 396 | ． 264 |
| 30 T 3568 | 1000 | 102 | ． 47 | 423 | 282 |
| 30 T 3569 | 1100 | 112 | ． 50 | ． 45 | ． 30 |
| 30 T 3570 | 1200 | 122 | ． 53 | .477 | ． 318 |
| 30 T 3571 | 1300 | 132 | ． 56 | ． 504 | ．33\％ |
| 30 T 3572 | 1500 | 152 | ． 59 | ． 531 | ． 354 |
| 30 T 3513 | 1600 | 162 | ． 63 | ． 567 | ． 378 |
| 30 Y 3574 | 1800 | 182 | ． 69 | ． 621 | ． 414 |
| 30 r 3575 | 2000 | 202 | ． 75 | ． 684 | ． 456 |
| 30 V 576 | 2200 | 222 | ． 82 | ． 738 | ． 492 |
| 30 Y 3577 | 2400 | 242 | ． 89 | ． 01 | ． 534 |
| 30 \％ 3578 | 2500 | 252 | ． 32 | ． 825 | ． 552 |
| $30 \% 3579$ | 2700 | 272 | ． 95 | ． 65 | ． 57 |
| $30 \% 3580$ | 3000 | 302 | 1.02 | ． 918 | ． 512 |
| 30 \％ 3561 | 3300 | 332 | 1.10 | ． 99 | ． 66 |
| 30 Y 35\％2 | 3600 | 362 | 1.17 | 1.05 | ． 702 |
| 30 Y 3563 | 3900 | 392 | 1.23 | 1.11 | ． 738 |
| 30 T 3584 | 4300 | 432 | 1.33 | 1.20 | ． 798 |
| 30 T3545 | 4700 | 472 | 1.44 | 1.30 | ． 684 |
| 30 T 3586 | 5000 | 502 | 1.54 | 1.38 | ． 924 |
| 30 Y 3507 | 5100 | 512 | 1.57 | 1.41 | ． 42 |
| 30 T 3504 | 5600＊ | 562 | 1.54 | 1.35 | ． 224 |
| 30 T 3589 | 6200＊ | 622 | 1.67 | 1.50 | 1.00 |
| 30 r 3590 | $6800 \dagger$ | 682 | 1.54 | 1.39 | ． 224 |
| 30 T 3591 | 75001 | 752 | 1.66 | 1.49 | 1.00 |
| 30 T 3592 | 82001 | 82 | 1.78 | 1.60 | 1.07 |

## LAFAYETTE CAN SUPPLY ALI

## AEROVOX MALLORY

ELMENCO SANGAMO CAPACITORS

FOR TECHNICAL INFORMATION AND PRICES CONSULT THE LAFAYETTE INOUSTRIAL OIVISIONS

JAMAICA，N．Y． NATICK，MASS．

## TYPE DD 1000 WVDC CERAMIC DISCS

Ideal for by-pass coupling in high frequency circuits. 1000 VDC working except DD-103 OD-153, DD-203, DD-303. DD.403, DD-503 which are 600 VOC working. Tolerance all $\pm 10 \%$ except * $\pm 20 \%$. $\dagger \pm .5$ MMF. $\ddagger$ GMV. * $+80-20 \%$. Avg. shpg. wt., $20 z$ Stock No. DD- mmf stock No. DO- mmf $\begin{array}{lllllll}33 & T & 2258 & 3 R 3+3.3 & 33 \\ 33 & 2298 & 391 & 390\end{array}$ 33 T $2259050 \quad 5 \quad 33$ T $2497401 \quad 400$ 33 T $2260 \quad 060 \quad 6$ 33 T 2261 6R8 6.8 33 T 2262 7R5 75 33 T 2302 5 5 IG 470 33 T $2263080 \quad 8 \quad 33$ T $2303 \quad 511 \quad 50$ $\begin{array}{rrrr}33 & \text { T } 2264 & 100 & 10\end{array}$ \begin{tabular}{llll}
33 <br>
\hline

 $2265 \quad 120 \quad 12$ 33 T $2266 \quad 150 \quad 15$ 

33 T 2267 \& 180 \& 18 \& 33 <br>
\hline

 $2307 \quad 751 \quad 750$ $\begin{array}{lllllll}33 & \text { T } 2268 & 200 & 20 & 33 \text { T } 2308 & 801 \ddagger & 800 \\ 33 & \text { T } 2269 & 220 & 22 & 33 & \end{array}$ 

33 T 2270 \& 240 \& 24 \& 33 \& 33 \& T 2309 \& 821 <br>
\hline 2310 \& 911 \& 910
\end{tabular} $\begin{array}{lllllll}33 & \text { T } 2271 & 250 & 25 & 33 & \text { T } 2311 & 102 \\ 33 & 1000 \\ 3272 & 270 & 27 & 33 \text { T } 2312 & 102 \mathrm{G} & 1000\end{array}$ $\begin{array}{llllllll}33 & \text { T } 2273 & 300 & 30 & 33 & \text { T } 2313 & 122 & 1200 \\ 33 & \text { T } 2274 & 330 & 33 & 33 & 2314 & 122 G & 100\end{array}$ $\begin{array}{llllllll}33 & \mathrm{~T} 2275 & 330 & 33 & 33 & \text { T } 2314 & 122 \mathrm{G} \ddagger & 1200 \\ 33 & \mathrm{~T} & 2315 & 132 & 1300\end{array}$

 $\begin{array}{lllllll}33 & \text { T } 2277 & 500 & 50 & 33 \\ 33 & \text { T } 2278 & 510 & 51 & 33 & 152 G \ddagger & 1500\end{array}$ $\begin{array}{llllllll}33 & \text { T } 2279 & 560 & 56 & 33 \text { T } 2318 & 162 & 1600 \\ 33 & \text { T } 2280 & 680 & 68 & 33 \text { T } 2319 & 182 & 1800\end{array}$ $\begin{array}{lllllll}33 & \text { T } 2281 & 750 & 75 & 33 & \text { T } 2320 & 202 \$ \\ 2000\end{array}$ $\begin{array}{lllllll}33 & \text { T2282 } & 820 & 82 & 33 \\ 3 & 2321 & 222 \ddagger & 2200\end{array}$ $\begin{array}{lllllll}33 \text { T } 2283 & 910 & 91 & 33 \\ 33 & 2322 & 252 \ddagger & 2500\end{array}$ $\begin{array}{lllllll}33 \text { T } 2284 & 101 & 100 & 33 & \text { T } 2323 & 272 \$ & 2700 \\ 33 & 2285 & 121 & 120 & 33 & \text { T } 2324 & 302 \$ \\ 30 & 3000\end{array}$ $\begin{array}{lllllllll}33 & \text { T. } 2286 & 131 & 130 & 33 & \text { T } 2325 & 332 & 3300\end{array}$ $\begin{array}{llllllll}33 & \text { T } 2287 & 151 & 150 & 33 & \text { T } 2326 & 3927 & 3900\end{array}$ $\begin{array}{llllllll}33 & T & 2288 & 181 & 180 & 33 \text { T } 2327 & 402 \mp & 4000\end{array}$ $\begin{array}{lllllll}33 \text { T } 2289 & 201 & 200 & 33 \text { T } 2328 & 432 \ddagger & 4300 \\ 33 & 2290 & 221 & 220 & 33 \text { T } 2329 & 472 & 4700\end{array}$ $\begin{array}{lllllll}33 & \text { T } 2291 & 241 & 240 & 33 & \text { T } 2330 & 472 G\end{array} 4700$ $\begin{array}{llllllll}33 & T & 2292 & 251 & 250 & 33 \\ 3 & T & 2331 & 502 \ddagger & 5000\end{array}$ $\begin{array}{lllllll}33 & 52293 & 271 & 270 & 33 \text { T } 2332 & 5022 * & 5000 \\ 33 T 2294 & 301 & 300 & 33 & \mathbf{T} 2333 & 5624 & 5600\end{array}$ \begin{tabular}{llllllll}
33 \& $T$ \& 2295 \& 331 \& 330 \& 33 <br>
\hline

 $2334682 \ddagger 6800$ $\begin{array}{llllllll}33 & \text { T } 2296 & 351 & 350 & 33 \\ 3 & \text { T } 2335 & 752 \ddagger & 7500\end{array}$ 

33 <br>
\hline
\end{tabular} $2297 \quad 361 \quad 360 \quad 33$ T $2336 \quad 822 \ddagger 8200$ NET EACH ANY OF ABOVE IN LOTS OF $1-99$

15 100 up
.119

| Stock No. | $\begin{aligned} & \text { CRL No. } \\ & \text { DO. } \end{aligned}$ | Cap. MFO | 1-99 | $\begin{aligned} & 100 \\ & \text { up } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
| 33 T 2337 | $103 \ddagger$ | 01 | . 24 | . 19 |
| 33 T 2338 | 1032* | . 01 | . 24 | . 19 |
| 33 T 2339 | 153** | . 015 | . 24 | . 19 |
| 33 T 2340 | 203** | . 02 | . 45 | 356 |
| 33 T 2341 | 303** | . 03 | . 45 | . 356 |
| 33 T 2342 | 403** | . 04 | . 45 | . 356 |
| 33 T 2343 | 503** | 05 | . 45 | . 356 |
| (20) WY WRE DD3 500 WVDC |  |  |  |  |
| Two individually sniesoeo capacitors in one small case. All 600 WVDC. Tolerance GMV. Avg. shpg. wt., 201. |  |  |  |  |
| Stock No. 0 | 3. MFD | Price Schedute |  |  |
| 33 T 23441 | 2x.001 | 1.99 <br> 100 up |  |  |
| 33 T 23451 | 2X.001 |  |  |  |
| 33 T 23462 | 2 X .002 |  |  |  |
| 33 T 23475 | 2X.005 |  |  |  |
| 33 T 23481 | $2 \times .01$ |  |  |  |

CRL DD-16 1600 WVDC CERAMIC DISCS
All tolerance GMV except D016-153 is 80 $-20 \%$. Avg. shpg. wt., $20 z$.

| Stock No. | CRL No. DO16. | Cap. | Net Each in Lots of |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | 100 |
|  |  | MFO | 1.99 | up |
| 33 T 2349 | 302 | . 003 | . 27 | 21 |
| 33 T 2350 | 402 | . 004 | . 27 | . 21 |
| 33 T 2351 | 502 | . 005 | 27 | . 21 |
| 3312352 | 602 | . 006 | . 27 | . 21 |
| 33 T 2353 | 702 | . 007 | . 27 | . 21 |
| 33 T 2354 | 752 | . 0075 | . 27 | 21 |
| 3312355 | 802 | . 008 | . 27 | . 21 |
| 3312356 | 103 | . 01 | . 27 | 21 |
| 33 T 2357 | 153 | . 015 | . 48 | 38 |



Conveniently mounted, wide capacity range units. Rated 500 WVDC, test 1500 VOC Mounting holes clear *4 machine screws. Size: $5 / 8 x^{77} / z^{\prime \prime \prime}$. Shpg. wt., 1 oz .

|  |  | Part | Cap. |  |
| :--- | :--- | :--- | :--- | ---: |
| Stock No. | No. | MMF | Net Price |  |
| 33 T 2501 | $820-A$ | $2.5-6$ |  |  |
| 33 T 2502 | $820-8$ | $5-20$ | $1-4$ | 1.14 |
| 33 T 2503 | $820-C$ | 7.35 | $5-29$ | .95 |
| 33 T 2504 | $820-0$ | 1.3 .5 | $30-100$ | .90 |
| 33 T2505 | $820-E$ | $35-55$ |  |  |
| 33 T 2506 | $820-F$ | $55-75$ |  |  |
| 33 T 2508 | $820-6$ | 70.90 |  |  |

## TYPE 822 TRIMMER

Types with N indicate negative temperature coefficient; $\mathbf{z}$ indicates zero coefficient. Steatite base. Rated 500 WVDC. Shpg. wt. 102.

| 33 T 2509 | 822-AN | $8-50$ |  |
| :---: | :---: | :---: | :---: |
| 33 T 2510 | 822-AT | 4.5 .25 |  |
| 33 T 2511 | 822-BN | 7.45 |  |
| 33 T 2512 | 822-B2 | 2.5-13 | 1-4 |
| 33 T2513 | $822-\mathrm{CN}$ | 4.5-25 | 5.29 |
| 3372514 | 822-CZ | 2-7.5 | 30-100 |
| 33 T 2515 | 822-DN | 2-6 |  |
| 33 T 2516 | 822-02 | 1.5-3 |  |
| 33 T 2517 | 822-EN | 4-30 |  |
| 33 T 2518 | 822-E2 | 1.5-7 |  |
| 33 T 2519 | 822-r2 | 3-12 |  |

## TYPE 829 TUBULAR TRIMMER

Mounted by locknut against metal panel or chassis. 500 volts working. Shpg. wt., 1 oz. 33 T 2539

| 33 T 2539 | $829-3$ | $.5-3$ |  |  |
| :--- | :--- | :--- | :--- | ---: | :--- |
| 33 T 2540 | $829-4$ | $1-4$ | $1-24$ | .30 |
| 33 T 2541 | 829.6 | $1-6$ | $25-99$ | .238 |
| 33 T 2542 | $829-7$ | 1.7 .5 |  |  |
| 33 T 2543 | $829-10$ | $1.5-10$ |  |  |

## TYPE 823 TRIMMER

Steatite body trimmers. Rating 500 WVDC, 1500 VDC test. All are zerc temp. coeff except * neg. 650 T.C. Shpg. wt., 3 oz. 33 T 2520 823-AN* 20-125
33 T $2521 \quad 823-\mathrm{AZ} \quad 12-62$
33 T 2522 823-8N* 10-100

| 33 T 2523 | $823 . B Z$ | $10-50$ | $1-4$ | 3.60 |
| :--- | :--- | :--- | :--- | :--- |
| 33 T 2524 | $823-D N *$ | $8-50$ | $5-29$ | 3.00 | $\begin{array}{lllll}33 \text { T } 2525 & 823-0 Z & 6-25 & 30-100 & 3.00\end{array}$ 33 T 2526 823-EN* 8 -25 33T2527 823-EZ $5 \cdot 12$

## TYPE 827 TRIMMER

Ceramic molded phenolic body. Rated at 500 WVDC. Power factor is less than $0.2 \%$ at 1 MHz . Shpg. wt. 2 oz. 33 T $2529 \quad 827$-A $\quad 2.5 .7$ $\begin{array}{lllll}33 & \text { T } 2530 & 827.8 & 3.5-12 & 1.4 \\ 5.29 & .90\end{array}$ $\begin{array}{llllll}33 \text { T } 2531 & 827-C & 6-30 & 30-100 & .75\end{array}$ $\begin{array}{lll}33 \\ \text { T } 2532 & 827.0 & 7-35\end{array}$

## TYPE 825 TRIMMER

Ceramic trimmer with pure silver stator plate mounted on top of low loss steatite base. Meets MIL-C-81A specs. Rated 500 WVDC, 1500 V -DC test. Body size $2 / 32 \times 4 / 4$ Zero temp. coefficient except * negative. Replaces series 833 trimmers. Shpg. Wt., 2 oz.

| 33 T 2533 | 825-EZ | 1.5-7 | $\begin{gathered} 1-4 \\ 5-29 \\ 30.100 \end{gathered}$ |  |
| :---: | :---: | :---: | :---: | :---: |
| 33 T 2534 | 825.F2 | 3.0-12 |  | 1.17 |
| 33 T 2535 | 825-A2 | 4.5-25 |  | . 98 |
| 33 T 2536 | 825-0N* | 2.0 .6 |  | . 93 |
| 33 T 2537 | 825.EN* | 4.0.30 |  |  |
| 33 T 2538 | 825.8N* | 7.0-45 |  |  |

## Capacitors And Filters

CENTRALAB CERAMIC CAPACITORS

TYPE TCZ (NPO) TEMPERATURE COMPENSATING TUBULARS


Limit rf frequency drift due to temperature varia. tions. Extremely compact. 600 DCWV; 1500 DC test volts. Have zero temperature coefficlent from $-20^{\circ}$ to $+85^{\circ} \mathrm{C}$. Shpg. wt., 2 oz.

| Stock No. | $\begin{aligned} & \text { CAP. } \\ & \text { MMF } \end{aligned}$ | Net | Stock No. | $\begin{aligned} & \text { CAP. } \\ & \text { MMF } \end{aligned}$ | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 33 T 2131 | 5 | . 30 | 33 T 2153 | 47 | 30 |
| 33 T 2132 | . 68 | . 30 | 33 T 2154 | 50 | 30 |
| 33 T 2133 | 1.0 | . 30 | 33 T 2155 | 51 | 30 |
| 33 T 2134 | 1.5 | . 30 | 33 T 2156 | 56 | . 30 |
| T 2135 | 2.2 | . 30 | 33 T 2157 | 62 | . 30 |
| 33 T 213 | 3.3 | . 30 | 33 T 2158 | 68 | . 30 |
| 3312137 | 4.7 | . 30 | 33 T 2159 | 75 | 30 |
| 33 T2138 | 6.8 | . 30 | 33 T 2160 | 82 | 30 |
| 33 T 2139 | 10 | . 30 | 33 | 91 | 30 |
| 33 T 2140 | 12 | . 30 | 33 T 2162 | 100 | . 30 |
| 33 T 2141 | 15 | 30 | 33 T 2163 | 110 | . 45 |
| 33 T 2142 | 18 | 30 | 33 Y 2164 | 120 | 45 |
| 33 T 2143 | 20 | . 30 | 33 T 2165 | 130 | 45 |
| 33 T 2144 | 22 | . 30 | 33 T 2165 | 150 | 45 |
| 33 T2145 | 24 | . 30 | 33 T 2167 | 160 | 45 |
| 33 T 2146 | 25 | . 30 | 33 T 2168 |  |  |
| 3312147 | 27 | . 30 | 33 T 2169 | 200 | 45 |
| 33 T 2148 | 30 | . 30 | 33 T 2170 | 220 | 45 |
| 33 T 2149 | 33 | . 30 | 33 Y 2171 | 240 | 60 |
| 33 T 2150 | 36 | . 30 | 33 T 2498 | 270 | 60 |
| 33 T 2151 | 39 | . 30 | 33 T 2172 | 300 | 50 |
|  |  |  |  |  |  |

FEED.THRU HI KAPS
Rated 500 WVDC, 1000 VDC test. Brass cad plated double-flatted mounting bushing with 12-28 thread and nut. Tinned copper leads, .050 . Tolerance $\pm 20 \%$ except * is +50 $20 \%$. Overall size with leads $1 \%_{2} \times \%_{0}{ }^{\prime \prime}$. Shpg. wt., 202.

## TYPE FT

| Stock No. | Cap. MMF. | Price Schedule |  |
| :---: | :---: | :---: | :---: |
| 33 T 2051 | 500 |  |  |
| 3312052 | 1000 | 1.99 | 75 ea. |
| 3312053 | 1500 | $100 \cdot 199$ | . 5974 ea. |
| 3312054 | 1800 | 200 Up | . 375 ea. |
| 33 T 2055 | 2300 |  |  |

## TYPE MFT

Miniature version of the Ft. $1 / /^{*}$ man. flange diameter eyelet to be inserted in, $160^{\prime \prime}$ dia. and soldered directly to chassis. Tolerance $\pm 10 \%$ except i $\pm 20 \%$ and $t$ is G.M.V.
Stock No. Cap. MMF. Price Schedule

| 33 T 2056 | 50 | 1.99 | 30 ez |
| :---: | :---: | :---: | :---: |
| 3312057 | 100 | 100-199 | $.238 \mathrm{ea}$ |
| 33 T 2058 | 500 | 200 Up |  |
| 33 T 2059 | 1000 | 200 Up | . 15 |

## LOW VOLTAGE CAPACITORS FOR TRANSISTOR APPLICATIONS



High capacity low voltage ceramic capacitors for transistor circuit applications.

TYPE DA PLATE CAPACITORS
Size $1 / 2 x 1 / 2 x x_{0} 0^{\prime \prime}$ thick. Tolerance - $20 \%$ to $+100 \% 30$ WVDC. Shpg. wt., 2 oz.

| Stock No. | mfrs. Type OA | Cap mfd | $\begin{aligned} & \text { Net } F \\ & 1.99 \end{aligned}$ | $\begin{aligned} & \text { ice } \\ & 100 \text { up } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
| 33 T 2117 | 203 | . 02 | . 36 | 29 |
| 33 T 2118 | 503 | . 05 | . 81 | . 64 |
| 33T 2119 | 104 | . 10 | 1.35 | 1.07 |

TYPE DM MIN KAPS
 150 WVDC; Tolerance: * is $+50 \%,-20 \%$ all others are $+80-20 \%$. Shpg. wt., 20 oz.

| Stock No. | Mirs. Type DM | Cap mmf | 1.99 | 100 up |
| :---: | :---: | :---: | :---: | :---: |
| 3312173 | 101* | 0001 | 90 | 72 |
| 33 T 2174 | 201* | . 0002 | . 90 | . 72 |
| 33 T 2175 | 301 * | . 0003 | . 90 | .72 |
| 33 T 2176 | $501 *$ | . 0005 | 90 | . 72 |
| 33 T 2177 | 102* | . 001 | 90 | . 72 |
| 33 T 2178 | 202 | ,002 | . 90 | . 72 |
| 33 T 2179 | 302 | .003 | . 90 | . 72 |
| 33 T 2180 | 502 | . 005 | . 90 | . 72 |
| 33 T 2181 | 103 | . 01 | . 90 | .72 |
| 33 T 2182 | 2.502 | 2X.005 | . 90 | . 72 |

## SPRAGUE HYPASS CAPACITORS

Three terminal network leed-thru capacitors, Bypass VHF currents (up to 150Mc). Suppress TVI from shortwave transmitters, diathermy machines, etc. Reduce vibrator hash, har-
monic radiation generator and regulator noise. Wt., 402

- Have female screw terminals; + Bulkhead mounting.

| Stock No. | Type No. | ${ }_{\mu} \mathrm{F}$ | Amps | WVDC | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 34 T 8333 | 48P18* | . 5 | 40 | 50 | 3.03 |
| 34 T 8334 | 48P8* | . 1 | 20 | 600 | 1.98 |
| 34 T 1335 | 46 P 12 | . 002 | 15 | 600 | 1.62 |
| 34 T 8336 | $80 \mathrm{P3}^{*}+$ | . 1 | 20 | 600 | 2.16 |
| 34 T 8337 | 47P16 | . 002 | 20. | 5000 | 3.00 |

## TYPE UK AND UK-10 ULTRA-KAPS

Miniature ceramic disc capacitors for transistor circuitry For low voltages use re quiring high capacities and low power factors. Double "Durez" insulation. UK rated 3 WVDC. tolerance GMV; UK-10 rated 10VVDC tol. $+80 \%$, $-20 \%$. Shpg. wt., 202

## TYPE UK

| Stock No. | Mirs. Type | $\begin{aligned} & \text { Cap } \\ & \text { mfd. } \end{aligned}$ | $\begin{gathered} \text { Net } \\ 1.99 \end{gathered}$ | $\begin{aligned} & \text { rice } \\ & 0 \text { up } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
| 33 T 2122 | UK104 | 1 | 42 | 33 |
| 33 Y 2123 | UK224 | . 22 | .30 | . 24 |
| 33 T 2124 | UK474 | 47 | . 30 | . 24 |
| 33 T 2125 | UK105 | 1.0 | . 36 | . 29 |
| 33 T 2126 | UK225 | 2.2 | . 42 | . 33 |
| TYPE UK. 10 |  |  |  |  |
| 33 T2127 | UK10-503 | . 05 | . 18 | . 14 |
| 33 Y 2128 | UK10.104 | . 1 | . 18 | . 14 |
| 33 I 2129 | UK10-204 | . 2 | . 30 | . 24 |
| 33 T 2130 | UK10-474 | . 47 | . 42 | . 33 |

TYPE DDA DISC CAPACITORS
$5 / 0^{\prime \prime}$ dia, $x s_{2}{ }^{-2}$ thick; tolerance $-30 \%$ to $\pm 80 \%$, 75 WVDC. Shpg. Shpg. wt., 202 .

|  | Mirs. <br> Type | Cap | Net Price |  |
| :--- | :---: | :---: | :---: | ---: |
| Stock No. | O0A |  | 1.99 | 100 up |
| 33 T 2120 | 503 | .05 | .30 | .24 |
| 33 Y 2121 | 104 | .10 | .60 | .48 |

## HIGH VOLTAGE CERAMICS

- 500 MMFD
- $25 \mathrm{~K}-30 \mathrm{~K}$ Volts

As Low As


## quantrites lumted

Popular replacement capacitors for color on black and white TV's. Also for communicatlons use. Shpg. wt., 502
32 T 0129500 mmf 25 kv Net ea. 49 10 for 4.39 Net ea. .59 10 for 5.29

CORNELL.DUBILIER "QUIETONE" FILTERS


Type IF-18. Fig. A. An effective all-wave capacitive-inductive type filter for use with all types of electrical appliances causing severe radio and TV interference, such as air conditioning and ventilating unlts, machine tools, washing machines, etc. In bakelite case, $6 \times 33 / 4 \times 21 / 2^{\prime \prime}$, with line cord and plug, receptacle and ground terminal. Binding post for attachment of ground wire Rated at 115 V AC-DC, 5 amperes,
34 T 5811 Shpg. wt., 5 lbs.
Type IF.19. Fig. B. An effective capacitive. inductive type filter, smaller than above, yet having the same degree of attenuation of severe interference. For elimination of interference from food mixers, dlathermy machines, electric fans, neon signs, washins machines, business machines, etc. Has line cord, plug, receptacle and terminal for ground connection. Rated 115 V AC.DC, 5 amperes. In bakelite case $4 \times 21 / 4 \times 27 / 0^{\prime \prime \prime}$
34 T 5812 Shpg. wt., 3 lbs. ........Net 7.30
Type IF-4. Fig. C. A plastic cylindrical filter for use with small radios and portable TV sets for reduction of low or medium inten sity interference caused by small portable electrical appliances such as electric shav. ers, fans, adding machines, etc. Rated 110 V AC-DC, 5 amps . Connects to power line between radio plug and outlet.
34 T 5813 Shpg. wt., 8 oz. .......... Net 1.08
Type IF-6. Fig, D, A plastic plug-in cylindrical filter for elimination of moderate interference, Suppresses interference of fluorescent jighting, electric shavers, etc. Connects between power line and appli. ance or between power line and radio. Has binding post terminal for grounding. Rated 110 V AC. DC, 10 amperes. $1^{1 / 8^{\prime \prime}}$ dia, $2^{\prime \prime}$ long. 34 T 5814 Shpg. wt., 8 oz.

## WIRED-IN TYPE

Type IF-24. Fig. E FLUORESCENT NOISE FILTER. Dual capacitive type filter for elim. Inating fluorescent nolse. Easily connected by means of flexible leads. In additlon has bracket for mounting. For 110 V AC-DC. Cyllindrical metal case $7 / \mathrm{g}^{\prime \prime}$ dia., $17 / \mathrm{s}^{\prime \prime}$ long. 34 T 5816 Shpg. wt., 6 oz. .......... Net 1.14

Type IF-54. Fig. F. A capacitive-inductive filter with greater efficiency than that above, Rated $110-220 \mathrm{~V}$ AC-DC, 2 amperes. Has flexible leads for simple connection with additional lead for ground. Rectangular metal case $2 \times 2 \times 14 / 4^{\prime \prime \prime}, w /$ tabs for mounting 34 T 5817 Shpg. wt., 802.

# Miller, Meissner Coils and Components 

 TRANSISTOR OSCILLATORS
(Fiz. A.) The 34 T 8801 oscillator coll (Revised 5 -lug) is designed for use in a con. verter oscillator circuit. The 34 T 8702 oscillator coll (6.lug) is for use where a separate transistor is used for the oscillator and another transistor for the mixer. I.f. Freq. 455 kHz . Avg. Shpg. wt., 3 oz .
Dimensions: */" $\mathbf{y} \mathbf{1}^{\prime \prime}$ high

| stact Ns. | Miller | Capacity | Net |
| :---: | :---: | :---: | :---: |
| 34 T 8801 | 2020 | 365 mmf . | 1.74 |
| 3418701 | 2022 | 78.100 mmf . | 1.74 |
| 34 T 8702 | 2023 | 365 mmf. | 1.74 |

## SUB MINIATURE TRANSISTOR I.F.'s ANO OSCILLATOR

(FIg. B.) Cup core construction permits the use of extremely small shields without adversely affecting transformer operation. A high impedance, tapped primary winding coupled to a low impedance secondary provides optimum energy transfer between slages. Dimensions: $\%{ }^{\prime \prime \prime}$ sq. $x$ s/" high.

| Steck Me. | Miller | Fres. | Imp. | Item | Met |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 3418608 | 9-C1 | 455kHz |  | Input | 2.52 |
|  | 9-C2 | 455kHz |  | hms | 2.52 |
|  |  |  |  | ohms |  |
| 3471703 | 2021 | Oscillato | or तu | ning | 2.22 |


(Fie. C.) Designed for experimental use and for eneral replacement in personal radio receivers. Shell core, permeabllity tuned. Tuning from top and bottom of the shield. Transformers are available for all standard IF. 12 H series for 262 KHz . 12 C series for 455 KHz . 1463 thru 1465 for 10.7 MHz and 6203, 6204, 6205 for 4.5 MMI. Dimensions: $1^{\prime \prime} \times$ K $_{0} " \times 2^{\prime \prime}$ high. "With dlodes, filter capacitors. Avg. shpg. wt., 402.

| Stock Ne. | miller | Item | Net |
| :---: | :---: | :---: | :---: |
| 34 T 8724 | 12+11 | Input If |  |
| 34 T 8725 | 12.H2 | Output IF | 1.13 |
| 3475726 | 12-46 | Output IF | 1.18 |
| 3478727 | 12-C1 | Input 16 kHz @ 6 db |  |
| 34 T872 | 12-C2 | Output 21 kHz@ 6 db |  |
| 34 T 372 | 12-C6 | Output IF | 1.80 |
| 3411732 | 12-C45 | Oiscriminator | 2.05 |
| 34 T8733 | 1463 | Input | 2.04 |
| 3418734 | 1464 | Discriminator | 2.31 |
| 3418735 | 1465 | Ratio Detector | 2.46 |
| 3411736 | 1464-WB | Disc. 900 kHz P | 2.46 |
| 3414737 | 6203 | Input | 2.07 |
| 34 T 1738 | 6204 | Discriminator | 2.37 |
| 3418739 | 6205 | Ratio Detector | 2.37 |

(Fis. 0.) Adjustable iron core oscillator coil for zeneral replacement use. RF frea. 500 1800 kHz , If freq. 100.500 kHz . Dimensions $56^{\prime \prime} \times 11^{\prime \prime}$ high.
34 T 8704 Miller Type 71-0SC
Net 1.74

## Stanoard

Has a fixed inductance of $240 \mu \mathrm{~h}$ and covers a band of $540-1650 \mathrm{kHz}$. Large pichup area and high 0 . Maximum tuning capacity 365 mmi © 790 kHz . 450. Shpg. wt. 4 oz. 34 Tse19 Type 2000

## ferrite strip

Has an inductance of $240 \mu \mathrm{~h}$ and is to be used with a condenser having a maximum capacity of 365 mmf . Freq. range 540.1650 14 kz Q @ $790 \mathrm{kHz}, 500$. Shpg. Wt., 402. 34 riezt Type 2004 ….................Net 2.10

## SUB MINIATURE

Adjustable antenna coil with high = ? cores. Inductance range for 2002 is 40 $300 \mu \mathrm{~h}$, for $2007,150 \cdot 1000 \mu \mathrm{~h}$. Freq. range $540-1650 \mathrm{kHz}$ Q © 790 kHz for 2002, 250 ; for 2007. 220. Tuning capacity 2002, 250 . 450 mmf ; 2007. 100.250 mmf . Shpg. wt., 402.

34 T 8749 Type 2002
34 T $\mathrm{t}_{0} 21$ Type 2007
Net 1.06

## miniature



Has an inductance of $240 \mu \mathrm{~h}$ and is designed for use with a standard variable condenser having a maximum capacity of 365 mmf . Freq. range 540.1650 hHz , 0 @ 790 kHz , 550. Shpe. wt., 4 oz.

34 T 974 Type 2001

FERRITE ANTENNAS

FT


Ferrite antenna coils for broadcast frequencies, having high Q for maximum signal pichup and energy transfer to transistor. Type 14-9015 is adjustable. Shpg. wt., 401.


## COILMASTER DELUXE ACCURATE COIL WINDER

Latest redesigned model gives even greater accuracy than ever to meet modern requirements. Easy-to-use set winds honeycomb, spiderweb and solenoid colls of various widths and diameters-equal in appearance to a factory job. Niso suitable for winding chokes, transformers and filter inductors. Indicator counts number of turns on coil. Uses $\$ 22$ to $\$ 40$ wire. Supplied with accessories including wood spools, metal pegholders and extension for making long solenoid colls. Instructions included, but less coil form and pegs. Shipg. wt., 6 bs.
32 T8701

# Meissner, Miller, Lafayette - Coiis \& Components <br> \section*{$3 / 4^{\prime \prime}$ PERMEABILITY} 

TUNEO I.F. COILS
Tuned top and bottom. powdered iron cores. Silvered mica condensers, molded plastic bases, etched aluminum cans. $3 / 4 \times 3 / 4 \times 2^{\prime \prime}$ With mounting clip and plate. *Spade bolt mtg . with leads. $t=$ with diode condenser. Shpg. wt., 4 oz.

| Stock No. | Meissner Type | Function | Net |
| :---: | :---: | :---: | :---: |
| 32 T 5532 | 16-6758 | 455 kHz Inp | 80 |
| 32 T 5533 | 16-6770 $\dagger$ | 455 kHz Output | 2.40 |
| 32 T 5534 | 16-6752 | 262 kHz Input | 0 |
| 32 T5535 | 16-6754 $\dagger$ | 262 kHz Output | 2.10 |
| 32 T 5536 | 16-3487 | 10.7 MHz FM 1 npu |  |
| 32 T 5537 |  |  |  |

## TRANSISTOR OSCILLATOR COIL



Popular broadcast frequency transistor os. cillator for replacement purposes as well as for the hobbyist and experimenter. Inductance is $248 ~ \mu \mathrm{~h}$ and used with a tuning capacitance of 78 mmf . Size $1 / 2^{\prime \prime} \times 1 / 2$ " $\times 5 \mathrm{~S}_{8}$ ". Shpg. wt., 402.
32 T 5548 Meis sner 14.9006

### 4.5 MHz INTERCARRIER SOUNO I.F. COMPONENTS



Fits the popular intercarrier sound TV recelvers. Iron core tuning and Hi-Q no-drift capacitors are used throughout. Aluminum shields except *TOD and bottom tuning. Mounting by $6-32$ spade bolts. 1469 is used to remove 4.5 MHz signal from output of sound detector or plate of video amp. 1470 may be inserted in any part of circuit to attenuate a 4.5 MHz signal. The discriminator is of the foster-Seely type. Shpg. Wt, 502.

| stock No. | Miller | Item | Net |
| :---: | :---: | :---: | :---: |
| 34 T 8830 | 1466 | Input or Intersta | 2.25 |
| 34 T 8831 | 1467 | Discrimina | 2.46 |
| 34 T 8832 | 1468 | Ratlo Detector | 2.67 |
| 34 T 8833 | 1469** | Sound Plck-Off | 1.17 |
| 34 T 8834 | $1470{ }^{*}$ | Sound Trap | 1.17 |
| 34 T 8835 | 1470.A | Sound Trap Shielded |  |
| 34 T 8653 | 1480 | Quadrature Coil |  |
| 34 T 8654 | 1481 | Qu |  |

## MILLER WIOE RANGE ADJUSTABLE

 INOUCTORSFor immediate application in many prototype designs where the exact value of the required inductance is not known. Induction measured at 1000 Hz . Dimensions: max. dia. $3 / 4^{\prime \prime} \times 114^{\prime \prime}$ long. Specifications for tapped are identical to untapped of reference types shown. Column headed "Ratio" refers to the total number of turns on the coll to the number of turns to the tap. Shipg. wt., 602.

| Stock No. | Untapped Type | $L$ Min. | $1 . \mathrm{Max}$. | Net |
| :---: | :---: | :---: | :---: | :---: |
| 34 T 8984 | 9001 | $40 \mu \mathrm{~h}$ | 240 MH | 1.32 |
| 3418985 | 9002 | . 180 MH | . 800 MH | 1.50 |
| 3418986 | 9003 | . 570 MH | 2.80 MH | 1.80 |
| 3418987 | 9004 | 2.10 MH | 8.00 MH | 2.10 |
| 34 T 8988 | 9005 | 6.00 MH | 16.0 MH | 2.37 |
| 3418989 | 9006 | 12.0 MH | 40.0 MH | 2.76 |
| 3478990 | 9007 | 30.0 MH | 105. MH | 2.85 |
| 34 T 8991 | 9008 | 78.0 MH | 240. MH | 2.88 |
| 34 T 8651 | 9009 | 180. MH | 750. MH | 2.97 |
| Stock No. | Tapped Type | Ref. Type | Ratio | Net |
| 34 T 8992 | 9011 | 9001 | 102/34 | 1.62 |
| 34 T 8993 | 9012 | 9002 | 204/68 | 1.80 |
| 34 T 8994 | 9013 | 9003 | 376/128 | 2.10 |
| 34.18995 | 9014 | 9004 | 608/203 | 2.40 |
| 34 T 8996 | 9015 | 9005 | 1000/333 | 2.67 |
| 34 T 8997 | 9016 | 9006 | 1480/493 | 2.76 |
| 34 T 8998 | 9017 | 9007 | 2480/827 | 2.82 |
| 34 T 8999 | 9018 | 9008 | 3860/1286 | 3.18 |
| 34 T 8652 | 9019 | 9009 | 6100/2030 | 3.27 |

STANDARO ANTENNA AND R.F. CDILS

Designed to cover the broadcast band from 545 to 1580 KHz (190-550 mefers) with a 365 mmid. tuning condenser. High impedance primaries, wound with Litz wire. Shielded coils are in black crackle finish, non mag. netic can. $17 / \mathrm{g}^{\prime \prime}$ In diameter, $21 / 2^{\prime \prime}$ high. *unshielded tshielded. Shpg. wt., 4 oz. | Stock No. | Melssner | Description | Net |
| :--- | :---: | :---: | :---: |
| 32 T 5520 | $14-1010^{\circ}$ | Ant. Coil | 2.10 | $\begin{array}{llll}32 \text { T } 6521 & 14-1004 \uparrow & \text { Ant. Coil } & 2.10 \\ 32 \text { T } 5522 & 14-1011 & \text { RF Coll } & 2.10\end{array}$ $\begin{array}{llll}32 \text { T } 5522 & 14-1011 & \text { RF Coil } & 2.10 \\ 32 \text { T } 5523 & 14-1005 \dagger & \text { RF Coil } & 2.10\end{array}$

## UNIVERSAL UNSHIELOEO COILS



Replace Broadcast band coils in most re. ceivers. accurately track other coils when adjusted. Matches inductance of burned out coil with screwdriver adjustment. Oscillator coll adjustable from 175 to 520 kHz . For use with either cut plate or padding condenser circuits. Shpg. wt., 602.
32 T 5524 Meissner 14-1026-Ant. Net. 2.10 32 T 5525 Meissner 14-1027-R.F. Net 2.10 32 T 5526 Meissner 14-1028-Osc. Net 2.40

## PHONO OSCILLATOR COIL FOR WIRELESS <br> RECORO PLAYERS



Knob adjustment for selection of clear frequency in BC band. $13 / 8 \mathrm{sq}$. $\times 31 / 2^{\prime \prime}$ high. Shpg. wt., 602.
32 T 5542 Meissner 17.9373
Net 9.00

## VIOEO PEAKING -

## FILAMENT CHOKE COILS

## $-E$

Video peaking coils designed to provide proper bandwidth and wave shape for video signals. Wound on plastic forms except shunt type wound over resistor forms. " is fllament choke; isolates filament to reduce feedback. stray coupling, efc. $\$_{2} \times 7 / 8^{\prime \prime}$ long. Peaking coils Kox ${ }^{3 / 4}$ long. Avg. shpg. wt., 2 oz.

| Stock No. | Miller | $\mu \mathrm{h}$ | Shunt | Net |
| :---: | :---: | :---: | :---: | :---: |
| 3418855 | 6175* | 0.8 | None | 66 |
| 3418856 | 6152 | 20 | None | 66 |
| 3418857 | 6176 | 36 | None | 66 |
| 34 T 8858 | 6172 | 73 | None | 66 |
| 34 T 8859 | 6177 | 93 | None | . 66 |
| 34 T 8860 | 6178 | 120 | 22K | . 66 |
| 3418861 | 6153 | 120 | None | . 66 |
| 3418862 | 6179 | 180 | 39k | . 66 |
| 3418863 | 6180 | 180 | None | . 66 |
| 3418864 | 6154 | 200 | None | . 66 |
| 3418865 | 6173 | 250 | 22K | . 66 |
| 3418866 | 6181 | 250 | None | . 66 |
| 3418867 | 6155 | 300 | None | 66 |
| 34 T 8868 | 6174 | 500 | None | 66 |

## HORIZONTAL LINEARITY

## ANO WIOTH CONTROLS

Iron core variable inductance coils for linearity and width adjustment. Wound on a bakellte form $3 /{ }^{\prime \prime}$ " in diameter. Mtg. clip fits $\mathrm{K}_{0}^{\prime \prime}$ hole. 6300's-phenolic form. Avg. shpg. wt., 40 Oz.

| Stock No. | Type | Millihenries | Net |
| :---: | :---: | :---: | :---: |
| 34 T 8836 | 6195 | .185-1.000 | 1.14 |
| 34 T 8838 | 6196-A | .054-.50 Tapped | 1.17 |
| 34 T 8839 | 6197 | .550-2.300 Tapped | 1.17 |
| 34 T 8841 | 6199-A | 1.300-4.100 Tapped | 1.23 |
| 34 T 8842 | 6199-B | .500-1.700 | 1.20 |
| 34 T 8843 | 6313 | .50-5.0 | 1.38 |
| 34 Y 8844 | 6314 | 2.0-18 | 1.38 |
| 34 T 8845 | 6315 | 4.0-30 | 1.38 |
| 3418847 | 6317 | 3.2-9.0 With AGC | 1.74 |
| 34 T 8848 | 6318 | . 20 -3.0 | 1.29 |
| 34 T 8849 | 6319 | 15.60 | 1.74 |
| 34 T 8850 | 6320 | .20-3.0 Tapped | 1.32 |
| 34 T 8851 | 6321 | 1.0-5.0 Tapped | 1.63 |
| 34 T 8852 | 6322 | 1.5-10 | 1.32 |
| 34 T 8853 | 6323 | .50-5.0 Tapped | 1.62 |
| 34 T 8854 | 6324 | 60-130 Tapped | 1.74 |
| 34 T 8648 | 6329 | 2.2-10 Tapped | 1.74 |
| 34 T 8649 | 6330 | 45-215 | 1.89 |



The most popular replacement I.F. Ideal for experimenters. Exceptionally high gain powdered iron core, compression tuned 455 kHz midget I.F. -only $3 / 4$ " square by 1\%盟" high. For both input and output circuits. Supplied with mounting clip and adapter plate to replace both midget and larger size cans. Shpg. wt., 4 ozs.
32 T 0946
Singly, each .89
Lots of 10 each .79
TINY BROAOCAST oscillator coll


Utilizes 100 mmfd . Capacity Interwinding. For use with 6SA7, 12SA7. 6BE6, 12BE6, 707, and 1407 tubes in receivers having $455^{\circ} \mathrm{kHz}$ Intermediate Frequency and with effective gang condenser capacities of 108 to 180 mmfd . in unpadded circuits, and 365 to 420 mmfd . In padded circuits. Adjustable iron core permits accurate adjustment for proper tracking and calibration. Its small size of $1^{\prime \prime} \times 3 / \mathbf{a}^{\prime \prime}$ permits its use in the most compact circuits. Shpg. wt., 8 oz .
32 T 5540 Meissner 14-1073 ….... Net. 2.10

## ECONOMY AOJUSTABLE

## R.F. CHOKES

A recently developed nylon molding process makes possible an inexpensive line of adjustable chokes. They are adjustable from elther the top or the bottom, giving you design flexibility. Mounting is achieved by way of a metal clip in a K" hole. Dimensions $3 / 0 \times 13 / \mathbf{M}^{\prime \prime}$ long. Shpg. wt., 40 oz .

| Stock No. | Type | Microhenries | Net |
| :--- | :---: | :---: | :---: |
| 34 T 8950 | 4200 | Form only | .78 |
| 34 T 8976 | 4202 | $1-2.5$ | 1.02 |
| 34 T 8977 | 4203 | $2-5.5$ | 1.05 |
| 34 T 8978 | 4204 | $5-12$ | 1.08 |
| 34 T 8979 | 4205 | $10-25$ | 1.11 |
| 34 T 8980 | 4206 | $20-55$ | 1.20 |
| 34 T 8981 | 4207 | $50-140$ | 1.23 |
| 34 T 8982 | 4208 | 120.330 | 1.26 |
| 34 T 8983 | 4209 | 310.860 | 1.29 |

## JW MILLER 455 kHz IF AMPLIFIER MOOULE

- Speeds Construction And Simplifies Wiring
Pre-aligned integrated, 455 kHz intermedlate amplifier system consisting of a ceramic filter, transformers, 2 transistors plus diode and associated resistors and capacitors totaling 24 components. Connections for AGC and tuning meter. Gain: 55 db ; SelectivIty; 8 kHz @ 6 db ; DC requirement; 2 ma @ 6 v . Fully shielded. Size $1.5 \times .55 \times .51^{\mathrm{m}}$. In tructions supplied. Types 8901 B \& 8902B supersede earlier versions 8901 \& 8902. Shown in some project requirements and Shown in seme in their place. A later project requires the new " $B$ " versions and also requires one of the original 8901 matching transformers. Shpg. wt., 4 oz. 8902 Amplifier Module
89028 Am
Net 4.75
89018 Matching Input if Transformer
34 T 8656 .....................................Net 2.10
8903B Comblnation Offer (1 ea. of above)
34 T 8657
8901 - Input if Transformer
34 T 8602


# J. W. Miller Special Components and RF Coils <br> <br> COMMUNICATIONS I.F. TRANSFORMERS <br> <br> COMMUNICATIONS I.F. TRANSFORMERS <br> <br> FM STEREO MULTIPLEX IMDUCTORS 

 <br> <br> FM STEREO MULTIPLEX IMDUCTORS}

Designed for experimental use in communications equip ment where selectivity and stabillty are important. The 100 kHz I.F. transformer and BFO coil are intended for tube application, while the 455 kHz crystal filter I.f transformers have taps on the winding to allow for use with both tubes and transistors. The 1800 kHz I.F. trans former offers the best possible "Q" with stability to give a degree of selectivity that compares with lower fre. quency I.F. transformers. This transformer is for use with tubes only. Type number 1770 is double tuned I.F. transformer having taps on both Primary and Secondary winding. Dimensions: $3 / 4^{\prime \prime}$ by $3 / 4^{\prime \prime}$ by $2^{\prime \prime}$ high. Average shpg. wt., 502.

| Steck Me. Type | Description | Net |
| :---: | :---: | :---: |
| 34 T 6401709 | $100 \mathrm{MHz} \mathrm{I.F}-.2.5 \mathrm{kHz}$ Bandwidth | 2.67 |
| 34187841710 | 100 kHz I.F. -3 kHz Bandwidth | 2.22 |
| 14187651711 | $100 \mathrm{kHz} \mathrm{B.F.O}$ | 2.04 |
| 34 T 87651725 | 455 kHz Crystal Filter I.F. Input | 2.20 |
| 34187711726 | 455 kHz Crystal Filter I.F. Output | 2.04 |
| 34187811727 | 455 kHz B.F.O. | 1.09 |
| 14 T 87891730 | 1800 kHz I.F. -25 kHz Bandwidth | 2.22 |
| 34187501770 | 455 kHz Double Tuned Transistor I.F.-30K. 1 K | 2.49 |
| 34787911731 | 1610 kHz Link Coupling Coil Unshielded | 2.22 |
| 34.85411732 | 1650 kHz I.F. (Citizens Band Transceivers) | 2.22 |
| $34 T 85421733$ | 1650 kHz Printed Circuit I.F. | 2.22 |
| 34186431740 | 9 MHz S.S.B. Input Trans. | 2.22 |
| 34 T 66391741 | $9 \mathrm{MHz} \mathrm{S.S.B} .\mathrm{Output} \mathrm{Trans}$. | 2.22 |

For use in FM Stereo Multiplez tuners and receivers, both standard and printed circuit. Size: $3 / /^{\prime \prime}$ sq. $11 / a^{\prime \prime}$ high. Shpg. wt. 402

| Steck No. | pe |  |  |
| :---: | :---: | :---: | :---: |
|  |  |  | Met |
| 34 T 3874 | 1351 | Low Pass Filter | 2.04 |
| 34 T 8075 | 1352 | Band Pass Filter Series Element | 1.69 |
| 34 T 8676 | 1353 | Band Pass Fitter Shunt Element | 1.89 |
| 3418877 | 1354 | Locked Oscillator 19 kHz | 2.67 |
| 3418078 | 1355 | Output Trasnformer 38 kHz | 2.52 |
|  |  | PRIMTED CINCUIT |  |
| 3418879 | 1351.PC | Low Pass filter | 2.04 |
| 341 ceso | 1352-PC | Band Pass Filter Series Element | 1.89 |
| 347888 | 1353.PC | Band Pass Filter Shunt Element | 2.04 |
| 34 T 182 | 1354. PC | Locked Oscillator, 19 kHz | 2.37 |
| 34 T 1983 | 1355. PC | Output Transformer, 38 kHz | 2.37 | For use in a newly designed circuit that eliminates the $19 \mathrm{~h} \mathrm{~Hz}_{2}$ Oscillator and resulting synchronizing problems. In conjunction with an improved low pass filter and detecting system. Improved separation can be achieved.


| Steck Ne. | Type | Descriotion | Met |
| :---: | :---: | :---: | :---: |
| 3478781 | 1356 | 19 kHz Output | 2.40 |
| 3478782 | 1357 | 38 kHz Input | 2.37 |
| 34 T 8783 | 1358 | Low Pass Filter | 2.52 |

## RESINITE ADJUSTABLE R.F. COILS

Resinite is a phenolic impreg. nated tubing which can be certified to MIL-P-798 type PBG. Combines good mechan. ical and electrical characteristics. Dimensions: $1 / 4^{* *}$ dia. $x$ MINIATURE ADJUSTABLE R.F. COILS

| stor | Type Type 20A. | $\min _{t-5} \mu h$ | $\begin{aligned} & \text { max. } \mu \mathrm{hh} . \\ & \pm 10 \% \end{aligned}$ | We |
| :---: | :---: | :---: | :---: | :---: |
| 3418944 | 107 RBI | . 088 | . 120 | 1. |
| 341894 | 157R81 | . 108 | . 180 | 1.08 |
| 3471842 | 227 RBI | 162 | 264 | 1.0 |
| 34 T 2940 | 477 RBI | . 356 | . 564 | 1.14 |
| 3418937 | 687RBI | . 508 | 816 | 1.14 |
| 3418936 | 827R81 | . 735 | 98 | 1.14 |
| 3418935 | 106RBI | . 885 | 1.20 | 1.14 |
| 34 T 6935 | 156RBI | 1.08 | 1.80 | 1.14 |
| 3418933 | 226RBI | 1.62 | 2.64 | 1.14 |
| 3478934 | 336 RBI | 2.38 | 3.96 | 1.14 |
| 34 T 8332 | 686RBI | 5.08 | 8.16 | 1.14 |
| 34 T 8929 | 826RBI | 7.35 | 9.84 | 1.14 |
| 34 T 8927 | 155RBI | 10.8 | 18.0 | 1.26 |
| 34 T 1920 | 225RBI | 16.2 | 26.4 | 1.14 |
| 3478925 | 335RBI | 23.8 | 39.6 | 1.26 |
| 3472921 | 104 RBI | 88.5 | 120. | 1.26 |
| 34 T 8922 | 154RBI | 108. | 180. | 1.26 |
| 3478917 | 474RBI | 356. | 564. | . |

## STAMDARD ADJUSTABLE R.F. COILS

 oimensions $\boldsymbol{F e}^{\prime \prime}$ dia. $\times 1 \mathrm{~K}^{* \prime \prime}$ long| Steck No. | True 21a- | $1 \text { min. }$ | 1 Max. $\mu \mathrm{m}$ |  |
| :---: | :---: | :---: | :---: | :---: |
| 34 T 8910 | 226RB! | 1.62 | 2.64 | 1.17 |
| 3471904 | 826RBI | 7.35 | 9.84 | 1.17 |
| 34 T 8905 | 105RB1 | 8.85 | 12.0 | 1.29 |
| 34 T 8899 | 104RB। | 88.5 | 120. | 1.35 |
| $34 T 8897$ | 224RBI | 162. | 264. | 1.35 |
| 3418895 | 824RBI | 735. | 984. | 1.44 |
| 34 T 1891 | 153RBI | 1.08 | 1.80 | 1.44 |

## FREQUENCY SELECTIVE R.F. CHOKES



Designed for maximum efficiency and highest impedance at specific operating frequencies, this group of R.F. chokes eliminates the designers task of attempting to choose the best coil for a particular application. Designed to cover the major Amateur. Industrial. and Citizens bands.

|  | Type Ne | $L$ |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1969 | RFC. 14 | 84 uh | 7.20 | 1 | 1.17 |
| 4 T 8970 | RFC | 38.5 | 15-3 | 1 |  |
| 3971 | RFC-28 | 24 uh | 25.40 | 2 | 1.05 |
| 8972 | RFC-50 | 8.2 uh | 30.90 | 2 | . 90 |
| 973 | RFC. 144 | 1.72 uh | 75-180 | 2 | 63 |
| 8)74 | RFC-220 | . 82 uh | 160-340 | 2 | 63 |
|  | RFC 420 | 22 uh | 325-500 |  |  |

A new series of R.F. Chokes taking advantage of the high permeablity of ferrite cores. These chokes combine high inductance and low D.C. resistance. Size: $1 / 4^{\text {n }}$ diameter " $7 /{ }^{\prime \prime}$ long. $11 / 2^{\prime \prime}$ axial leads.

| Steck N0. | Type | mh | Oinms Max. | MA. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 14 T 8792 | 6302 | 2.5 | 9 | 160 | . 99 |
| 14 T 8793 | 6304 | 5 | 14 | 160 | 1.14 |
| 1418794 | 6306 | 10 | 31 | 100 | 1.25 |
| 3418795 | ¢308 | 25 | 82 | 65 | 1.25 |
| 1478796 | 6310 | 50 | 127 | 65 | 1.50 |



IRON CORE R.F. CHOKES

Powdered iron core. Inductance tolerance $\pm 5 \%$. Size: $14 /^{\prime \prime}$ dia. $5 / 6^{\prime \prime}$ high.

| Steck Ne. | Type | min | Ohms Mar. | Ma. | Me |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 34 T 8797 | 951 | 5 | 8.40 | 125 | 1.05 |
| 34 T8788 | 954 | 5.0 | 34.8 | 125 | 1.11 |
| 3478799 | 956 | 10.0 | 56.4 | 125 | 1.25 |
| 34 T 8822 | 957 | 25.0 | 99.5 | 100 | 1.30 |
| 34 T 8823 | 958 | 50.0 | 156 | 100 | 1.56 |
| 14 T 8224 | 959 | 75.0 | 204 | 100 | 1.74 |
| 34 T 8825 | 960 | 100.0 | 240 | 100 | 1.95 |
| 34 T826 | 961 | 150.0 |  |  |  |


|  |  | PHENOLIC FORM 3-SECTION WINDINGS <br> Size: $X_{6}^{\prime \prime}$ dia. $x \not /^{\prime \prime}$ long. |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Steck Me. | Type | mh | Ohms Mex. | ma | Ne |
| 3418227 | 4646 | 0.24 | 8.16 | 125 |  |
| 14T8828 | 4649 | 0.55 | 13.2 | 125 | 75 |
| 34 T 4829 | 4652 | 1.0 | 19.8 | 125 |  |

SUBMINIATURE ADJUSTABLE R.F. COILS


These compact adjustable coils offer a minimum two-to-one in. ductance range with relatively small changes in $Q$. The tuning adjustment is accessible from either the top or bottom of the coil assembly. Magnetic and electrostatic shielding. Printed circuit terminals. Size: $1 / 2^{\prime \prime}$ sq. $856^{\circ \prime}$ high. Avg. shog. wt., 4 oz.

| Steck Me. | Type No. | L Min. | 1 | Dist. <br> C(pf) | , |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 3471957 | 9054 | 28.0 uh | 60.0 | 11.0 |  |
| 1855 | 9056 | 120.0 uh | 280.0 uh | 9.0 | 95 |
| 34 T 8561 | 9058 | 650.0 uh | 1.3 Mh | 8.0 | 2.04 |
| 4 T \$562 | 9059 | 1.3 Mh | 3.0 Mh | 16.0 | 2.04 |
| 563 | 9060 | 3.0M | 10.0 Mh | 7.0 | 2.19 |
| 4 | 9061 | 8.0 Mh | 20.0 Mh | 7.0 | 2.19 |
| 478965 | 9062 | 15.0 Mh | 40.0 Mh | 7.0 | 2.19 |
| 1 1886 | 9063 | 20.0M | 60.0 N |  |  |

## adJustable cepamic FORMS AND R.F. COILS

Permeability tuned colls wound an silicone impregnated ceramic forms. Hardware neces sary for assembly is supplied.


## STANDARD ADJUSTABLE CERAMIC FORM AMD R.F. COILS

Dimensions (form): $1 /{ }^{\prime \prime}$ diameter $\times 1 \mathrm{~K}_{\mathrm{on}}{ }^{*}$ long.


| Steck No. | Type | Microhenries | Net |
| :---: | :---: | :---: | :---: |
| 34 T 8952 | 4500 | Form Only | 1.23 |
| 34 T 8765 | 4501 | .44. 76 | 1.60 |
| 34 T8766 | 4502 | 1.1-1.5 | 1.60 |
| 34 T 8767 | 4503 | 1.7-2.7 | 1.60 |
| 34 T 8768 | 4504 | 3.14 .8 | 1.60 |
| 34 T 9769 | 4505 | 5.5-8.6 | 1.74 |
| 34 T 8770 | 4511 | 66-114 | 1.95 |
| 34 T 8771 | 4512 | 120.190 |  |

SUB-MIMIATURE ADJUSTABLE R.F. COLLS

# Cutler Hammer Switches 

## AC - DC TOGGLE SWITCHES LIGHT DUTY - 3 to 6 AMPS

For use on small motor-driven tools and appliances where a sturdy switch is required. Long life and hith are resistant.
 and " $1 / 4$. All have solder lug terminals excedt " $6^{\prime \prime}$ wire leads. $\S$ screw terminals. All 3 amps at 250 V except $\ddagger 1$ amp. U.L. listed. Avg. shigg. wt.. 302.

| Slock No. | Mfr's. Type | Con. tacts | Fig. | $\begin{aligned} & \text { Amps } \\ & 125 \mathrm{v} \end{aligned}$ | $1.9$ | $\begin{aligned} & \text { Net Each } \\ & 10-99 \end{aligned}$ | $\begin{array}{r} 100 \\ 499 \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 34 T 1302 | 8280-K14* | SPST | A | 3 | . 58 | . 48 | 39 |
| 34 T 3303 | 8280-K15t | SPST | A | 3 | . 58 | . 48 | 39 |
| 34 T 3304 | 8280.K16 | SPST | A | 3 | . 58 | 48 | 39 |
| 34 T 3305 | 8282.K13t $\ddagger$ | SPDT | C | 3 | . 73 | . 62 | . 49 |
| 34 T 3306 | 8282-K14 | SPDT | G | 3 | . 73 | . 62 | . 49 |
| 34 T 3307 | 8282-K12* | SPDT | G | 3 | . 73 | . 62 | 49 |
| 34 T 3308 | 8284.K14 $\ddagger$ | 2 Circ. | G | 3 | . 77 | . 64 | . 52 |
| 34 T 3309 | 8290.K15t * | SPST | 8 | 3 | . 70 | . 58 | 47 |
| 34 T 3310 | 8290.K16* | SPST | B | 3 | 70 | . 58 | . 47 |
| 14 T 3311 | 8295-K715 | SPST | c | 3 | . 70 | 58 | 47 |
| 34 T 3312 | 8295-K89 | SPST | c | 3 | . 70 | . 58 | . 47 |
| 34 T 3313 | 8360.K6* | DPST | G | 3 | 1.05 | . 87 | . 70 |
| 34 T 3314 | 8360.K7 | DPST | G | 3 | 1.05 | . 87 | . 70 |
| 34 T 3316 | 8363.k6* | DPDT | E | 3 | 1.21 | 1.00 | . 80 |
| 34 T 3317 | 8363-K7 | DPDT | E | 3 | 1.26 | 1.00 | . 80 |
| 34 T 3318 | 8363-K8 $\dagger$ | DPDT | E | 3 | 1.26 | 1.00 | . 80 |
| 34 T 3320 | 8370-K7 | DPST | G | 6 | 1.13 | . 94 | . 75 |
| 34 T 3322 | 8372.K75 | OPST | 0 | 61 | 1.38 | 1.15 | . 92 |
| 34 T 3323 | 8373-K7 | OPOT | E | 6 | 1.30 | 1.08 | . 87 |
| 34 T 1325 | 8375-k74 | DPDT | 0 | 6 | 1.67 | 1.39 | 1.11 |
| 34 T 3326 | 8381-K74 | SPST | A | 6 | . 67 | . 55 | . 44 |
| 34 T 3327 | 8381**8 | SPST | A | 6 | . 67 | . 55 | . 44 |
| 34 T 3328 | 8391.K7* $\dagger$ | SPST | 8 | 6 | . 79 | . 65 | . 52 |
| 34 T 3329 | $8391 \cdot \mathrm{K8}$ \% | SPST | 8 |  | . 79 | . 65 | . 52 |
| 34 T 3330 | 8396-K75 $\dagger$ | SPST | C |  | . 79 | . 65 | . 52 |
| 34 T 3331 | 8396-K85 | SPST | C | 6 | . 79 | . 65 | . 52 |

## STANDARD DUTY - 8 to 16 AMPS

Quick make, quick break contact mechanism eliminates pitting caused by high arcing. These long life switches are primarlly designed for use on small motors and similar equipment. All in bakelite case with screw terminals. "/az threaded stem $\times 15 / 32$ long except $\uparrow 11 / 32$ stem length. U.L. listed. All 8 amp at 250 V and 16 amp at 125 V . except $\$ 5$ amps at 250V. Avg. shpg. wi., 308.

| Stock No. | Mfr's. Trpe | Con. tacts | Fig. | Amps | $1.9$ | $\begin{aligned} & \text { el Each } \\ & 10.99 \end{aligned}$ | $\begin{aligned} & 100- \\ & 499 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 34 T 3332 | 7320-K21 | DPST | H | 16 | 1.17 | . 37 | \% |
| 34 T 3394 | 7320-K3 | DPST | H | 16 | 1.17 | . 97 | . 78 |
| 34 T 3333 | 7321-K21 | SPST | H | 16 | 1.17 | . 97 | . 78 |
| 34 T 3395 | 7321.k3 | SPST | H | 16 | 1.17 | . 97 | 78 |
| 34 T 1334 | $8680 \cdot \times 11$ | DPOI | M | 5 | 3.50 | 2.91 | 2.33 |

## SPST MIDGET SWITCH

Type 8097.K3. Bat handie $\mathrm{K}_{0}$ " from end of threaded stem 3 Amps at $125 V$ AC. .75 at 250 V DC. Serew terminals Threaded stem dia. '1/2, stem length "1/22. Shpg. wt.. 208

|  | Fis. | 1.9 | Net Each |  |
| :--- | :--- | :---: | :---: | :---: |
| Stock Mo. | 10.99 | $100-499$ |  |  |
| 34 T 3301 | M | .48 | .40 | .32 |

ON-OFF PLATE FOR TOGGLES
(1) 34 T3393

Net Ea. 1.9 "ROCKETTE" SWITCHES
Modern design, dependable, with nylon rocher type actuator. Fast connect $250^{\circ}$ terminals except . has screw terminals 6.32 tapped mid. holes on $1 \% / \mathrm{s}^{\circ}$ ctis. Requires $11 /$ n $^{11} /{ }^{" \prime}$ hole. U.L. and CSA listed.

| Stock Mo. | Mft. Type | $\begin{aligned} & \text { Amperss } \\ & 125 \mathrm{~V} 250 \mathrm{~V} \end{aligned}$ |  |  |  | $\begin{aligned} & \text { Each } \\ & 10-99 \end{aligned}$ | $\begin{aligned} & 100 \\ & -u p \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 34 T 3416 | 8134K21A1M52 |  | 3 | SPST | . 60 | 50 | 40 |
| 34 T 3417 | 8134K20A1M52 | 6 | 3 | SPOT | . 61 | 51 | . 41 |
| 34 T 3414 | 8132K21E6M5? | 6 | 3 | DPST | . 84 | . 70 | . 56 |
| 3413415 | 8132 K 20 E6M52 | 6 | 3 | DPOT | . 92 | . 76 | .51 |
| 34 T 3412 | 8144K2IA1M52 | 15 | 10 | SPST | . 68 | . 56 | . 45 |
| 34 T 3413 | 8144K21A1M50 | 15 | 10 | SPST | . 72 | 60 | 48 |
| 3413410 | 8144K20A1M52 | 15 | 10 | SPDT | 73 | . 63 | . 51 |
| 34 T 3411 | 8142K21E6M52 | 15 | 10 | DPST | 1.00 | . 83 | 66 |
| 34 T 3408 | 8142K21E6M50 | -15 | 10 | DPST | 1.15 | . 96 | . 77 |
| 34 T 3409 | 8142K20E6M52 | 15 | 10 | D. ${ }^{\text {d }}$ | 1.15 | . 96 | 77 |





## AC TOGGLE SWITCHES LIGHT DUTY - 6 AMPS

For use in radios, appliances and other equipment which use snap actlon mechanism. All rated 6 amps at 125 V and 3 amps at 250 V . - Center-off Dosition. Threaded stems are $1 / 2 / 8$ in. dia.. stem length $1 \mathrm{~s}_{\mathrm{g}}$. U.L. listed. Avg. shpg. wi.. 3 oz . indicates screw terminals. I indicates solder terminals.

| Stoch No. | Mfr's. Type | Contacts | Fig. | $\begin{aligned} & \text { Net tach } \\ & 10-99100-499 \end{aligned}$ |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 34 T 3343 | 7580-K4 ${ }^{\text {P }}$ | SPST | K | . 61 | . 51 | . 41 |
| 3413344 | 7580-K61 | SPST | K | . 53 | . 44 | 35 |
| 34 T 3345 | 7581.K4 ${ }^{\text {* }}$ | SPOT | K | . 70 | . 58 | . 47 |
| 34 T 3346 | 7581.K64* | SPOT | K | . 57 | . 47 | . 38 |
| 34 T 3350 | 7582.K4t | SPDT | K | . 70 | . 58 | . 47 |
| 34 T 3351 | 7582.K6 | SPDT | K | . 57 | . 47 | . 38 |
| 34 T 3352 | $7590 \mathrm{K4} 4$ | DPST | F | . 87 | .72 | . 58 |
| 34 T 3353 | 7590-K6 | OPST | F | . 76 | . 63 | . 51 |
| 34 I 3354 | 7591.K4t* | DPDT | F | 1.11 | . 92 | . 74 |
| 34 T 3355 | 7591.K6! | DPDT | F | . 85 | . 71 | . 57 |
| 34 T 3356 | 7592-K4 ${ }^{\text {+ }}$ | DPDT | F | 1.11 | . 92 | . 74 |
| 34 T 3357 | 7592-K6\$ | DPOT | F | . 85 | . 71 | . 57 |

## STANDARD DUTY - 10 to 15 AMPS

Slow make, slow breah mechanism. All have $15 / 32$ diameter threaded stem. 15/32 long except \$ 11/32 long, and center off, all rated 10 amps at 250 VAC and 15 amps at 125 V AC . U.L. listed. Avg. shpg. wt., 3 oz. t indicates screw terminal, $\ddagger$ indicates solder terminals.

| Stock No. | Mtr's. Type | Contacts | Fis. | 1.9 | 10.99 | 00-499 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 34 T 3358 | 7500-K1346 | SPST | K | 70 | 58 | . 47 |
| 34 T 3359 | 7500-K14 $\dagger$ | SPST | K | 70 | . 5 | . 47 |
| 34 T 3360 | 7501-K1216 | SPST | K | . 61 | . 51 | 41 |
| 34 T 3361 | 7501-K13 | SPST | K | .61 | . 51 | 41 |
| 34 T 3362 | 7502.K1215* | SPDT | K | .83 | . 69 | .55 |
| 34 T 1363 | 7502-K134* | SPOT | K | . 83 | . 69 | . 55 |
| 34 T 3365 | 7503-K134* | SPDT | K | . 70 | . 58 | . 47 |
| 34 T 3366 | 7504.K34. | SPDT | K | . 83 | . 69 | . 55 |
| 34 T 1367 | 7504.K4t | SPDT | K | . 83 | . 69 | . 55 |
| $34 T 3369$ | 7505-K4\$ | SPDT | K | . 70 | . 58 | . 47 |
| $34 T 3370$ | 7560.K5t | DPST | $F$ | 1.11 | . 92 | . 74 |
| 3473372 | 7561-K41 | DPST | $F$ | . 94 | . 78 | . 62 |
| 34 T 3374 | 7562.K4** | OPDT | $F$ | 1.37 | 1.14 | . 91 |
| 34 T 3375 | 7562-K5 ${ }^{\text {7 }}{ }^{\circ}$ | DPOT | $F$ | 1.37 | 1.14 | . 91 |
| 34 I 3376 | $7563 \cdot \mathrm{K4} 1^{\circ}$ | DPDT | $F$ | 1.11 | . 92 | . 74 |
| 34 T 1377 | 7563-K5 * 9 | DPOT | $F$ | 1.11 | . 92 | . 74 |
| 34 T 3378 | 7564.K6t | OPOT | $F$ | 1.37 | 1.14 | . 91 |
| 34 T 3380 | 7565-K5 | OPDT | $F$ | 1.11 | . 92 | . 74 |
| 34 T 3381 | 7565-K6 49 | DPDT | $F$ | 1.11 | . 92 | . 74 |
| 34 T 3384 | 7610.K2t | 3PST | L | 2.13 | 1.77 | 1.42 |
| 34 T 3385 | 7611.K21 | 3PST | $L$ | 1.82 | 1.52 | 1.22 |
| 34 T 3387 | 7613.K21* | 3 3PT | $L$ | 2.25 | 1.87 | 1.50 |
| 34 T 3389 | 7615-K2i | 3PDT | 1 | 2.25 | 1.87 | 1.50 |

## HEAVY DUTY - 15 to 20 AMPS

Switches contaln heavy parts, larger clearances and higher ratings. Handle large motors and heavier loads. Longer life on lighter loads. All Bakelite bodies. screw terminals and quick make and break contacts. $1 / 1 / 2$ inreaded stem $1 / 2 / 2$ long except * $11 / 32$ stem. U.L. Iisted. All 10 amps at 250 V ex. cept $\ddagger 20$ amps. Shpg. wt., 3 oz .

| Stock No. | Con. Lacts | Mfr's. Type | Fig. | $\begin{aligned} & \text { Amps } \\ & 125 v \end{aligned}$ | 1.9 | $\begin{gathered} \text { Mel Each } \\ 10.99 \end{gathered}$ | $\begin{array}{r} 100 . \\ 499 \\ \hline \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 34 T 3335 | 7360.k7* | OPST | H | 20 | 2.02 | 1.68 | 1.35 |
| 34 T 3336 | 7360.108 | OPST | ${ }_{\text {H }}$ | 20 | 2.02 | 1.68 | 1.35 |
| 34 T 3337 | 7361-K5 | SPST | H | 20 | 2.11 | 1.76 | 1.41 |
| 34 T 3339 | 7402.K3\% ${ }^{\circ}$ | DPST | H | 20 | 2.72 | 2.26 | 1.81 |
| 34 T 3340 | 7402-K4 | DPST | H | 20 | 2.72 | 2.26 | 1.81 |
| 34 T 3342 | 8690.K2 | OPDT | H | 15 | 4.24 | 3.53 | 2.82 |

LAFAYETTE SUBMINIATURE SWITCHES
A.


TOGGLE SWITCH Industrial quality, subminia ture, O.P.O.T., AC toggle switch. Rated at 10 amps, $125^{\circ}$ volts A.C. Life tested through 100,000 cycles. Contact resistance, 0.01 ohms. Insulation resistance 100 meg -ohms at 500 V.A.C. Maximum breakdown voltage 1000 V.A.C. Body size $1 / 2 \times 1 / 2 \times 9 / 16^{*}$. Bush. ing $1 / 40 \times 5 / 16^{\circ} \mathrm{L}$. Handle $3 / 8^{\circ} \mathrm{L}$. Behind panel depth, including lugs, $3 / 4^{\prime \prime}$. Includes slip-on insulator for handle, mounting hardware and "on-off" plate. Shpg. wt., 2 ozs. 99 76162 Imported. Net ea, 1.49 Lots of 100 ea, 1.19 Lots of 10 ea, 1.35 SUBMINIATURE MOMENTARY PUSH-BUTTON SWITCH (Fig, B) All dimensions and speclfications exactly the same as above except momentary push button action. Imported.
99 T 5118
Net ea. 1.69
Lots of 100 ea. 1.35 Lots of 10 ea. 1.52

# Switches-Toggle, Push-Button, Slide \& Telephone 



## (A) SPST BAT HANDLE

Rated 3 amps-125V. Body size $11 / 8 \times 3 / 4 \times 1 / 2^{\prime \prime}$ behind panel. Bushing 7/16" diam. 7/16" long. Bat handie $1 / 2^{\text {" }}$ long. Shpg. wt., 3 oz . Imported.
99 T 6150
Net ea. 28

In lots of 10, ea. 25
(B) HEAVY DUTY 6 AMP DPOT

Rated 250 V at 3 Amps or 125 V at 6 amps. 5 witch body $11 / 4 \times 3 / 4 \times 7 / 8^{\circ}$ behind panel including terminats. Bushings $15 / 32^{\circ \prime}$ Dia. $7 / 16^{\prime \prime}$ long. Bat handle $1 / 2^{\prime \prime}$ long. Shpg. wt., 3 oz. Imported.
99 TS151 $\qquad$ Net ea. 39
in lots of 10, ea. . 35


PUSH-BUTTON SWITCHES

## (A) MINIATURE MOMENTARY

Momentary contact push-button switch ldeal for all miniaturized applications. Single pole two circuit push-to-make type. Berylium copper leaf contacts. Overall diameter $1 / 2^{*}$ overall depth $11 / 16^{\circ}$, protrudes $3 / 8^{\circ \prime}$ behind panel. Bushing $1 / 4^{\prime \prime}$ dia., $3 / 16^{\circ}$ long. Supplied with washer and mounting nut. Shpg. wt., 3 oz. Imported.
99 T. 6218 Minlature Push-Bution Switch . 19 In Lots of 10, ea, . 17

## (C) SUB-MINIATURE MOMENTARY

Momentary contact push button switch. SPST, non-snap action. Rated 115 V AC at 100 ma . Overall dimensions $3 / B \times 3 / 4^{\prime \prime}$ L. Bushing $1 / 4^{*}$ long. Shpg. wt., 1 oz. imported
99 \%159
Net ea. . 23
5 For .99
5 For 99

## (B) ILLUMIMATED P.B. SWITCH

A compact illuminated switch which will indi. cate mode of operation at a glance. Button lights in "N" position takes no more space than conventlonal switches. Lamp is bullt into push handle. SPST Type. Current capa. city, 10 Amps at $125 \mathrm{VAC}, 6 \mathrm{~A}$ at 250 V AC Insulation resistance, 100 meg ohms or more at 500 V DC. Solder terminals. Single-hole mig. Mount in $13 / 64$ hole, $11 / 2^{=}$behind panel. Shpg. wt., 4 oz. Imported <br> \section*{99 T 6192} <br> \section*{99 T 6192}
(D) MINIATURE 4 POT SPRING RETURN

Push button switch, ideal for ham or citizens band. Rated at 800 milliamp for 100 V AC. Ideal for transistor application. Heavy duty spring. Two circult operation, Measures $11 / 2 x$ $5 / 16 \times 1 / 2^{\prime \prime}$ plus $1 / 2^{\prime \prime}$ plunger. Shpg. wt., 3 02. Imported. 9916175

## (C) 6 AMP. DPDT CENTER OFF

Rated 6 amps, 125 V.A.C. $1 \%, \times 3 / 4 \times 1^{\prime \prime}$ behind panel including screw terminals. Bushing $7 / 16 \times 7 / 16^{\prime \prime} .5 / 8^{\prime \prime}$ bat handle. Shpg. wt., 3 oz. Imported.
5315148
Net ea. . 4
In lots of 10, ea. .45
(D) 10 AMP. SPOT CENTER OFF

Rated 10 amps at 125 V . Silvered lugs for low loss connections. Body size $11 / 8 \times 9 / 16 x$ 5/8" depth behind panel. Bushings 3/8" Dia., $7 / 16^{\prime \prime}$ long. Bat handle $1 / 2^{*}$ long. Shig. wt., 3 oz. Imported
9976155
Net ea. 39
Lots of 10 ea. 35

## 

## RUGGED TELEPHONE TYPE 4PDT LEVER SWITCH

CHROME PLATED CAM $69^{\circ}$

Telephone Type 4 PDT. Lever switch: 3 position tever action switch of non induction canstruction. Has 4 sets of SPDT contacts-Has 3 locking positions-Heavy insulated rollers. Panel mount, $15 / 16^{\prime \prime}$ mounting centers. Size: $21 /{ }^{2}=$ long behind panel, $5 / 8 \mathrm{~W} \times 1 \%$. ${ }^{-H}$. Shpg. wt., 3 oz Imported.
97 76149
Net ea. . 69
In lots of 10, e8. . 65

Perfect for ultra-small switch applicafions. Rated current capacity, 3 amps at 125 volts. Can withstand up to 1000 V AC. Solder lug terminals. Measures $15 / 16 \mathrm{~L} \times 1 / 4 \mathrm{~W} \times 3 / \mathrm{B}^{-}$ D. Mounting centers: $13 / 16^{*}$. Shpg. wt., 1 02. Imported.

99 T618s
Net 39

##  <br> 4PDT MINIATURE SLIDE SWITCH

Panel mount. Current capacity 500 ma at 100 V AC. Contact resistance $1 / 2 \mathrm{ohm}$ at 500 volts. Measupes 1 th $L \times 5 / 16$ Wx9/16"D. MountIng center 1 Kı. Shpg. wh., 3 oz. Imported. 99 T 5176

Net ea. 59
In lots of 10, ea. .55

## DELAY ACTION SWITCHES FOR HOME AND CAR

FOR YOUR SAFETY

- Keeps light on for 60 seconds after turning off switch


For the car. Keeps car llghts on for 60 seconds while you walk to house then turns them off automatically. Easy to Install in any 6 or 12 volt car. $31 / 4 \times 1$ ye diam. 34 T 4601 (Fig. 8) Shpg. wi., 6 02. Net 2.38

For the home. Install in regular wall outlet. Keeps outside lights on for 60 seconds while you go to car. Rated 10 amps 125 V .
34 T 3805 (Fig. A) Shpg, wt., 5 oz. Net 2.39


## 3PDT AC.DC SLIDE SWITCH



3 POT AC-DC Slide Switcm: Rated at 500 microamps at 100 V . Solder lug terminals. Measures $3 / 4^{\prime \prime}$ Wxi $1 /{ }^{*}$ "Lx7/8" 0 . Overali including $5 / 16^{\prime \prime}$ trigger. Mounting centers 1\%". Shpg. wt., 3 oz. Imported.
99 T 6166
Net ea. 21
n lots of 10, ea. 25
ULTRAMINIATURE SPDT SLIDE
SWITCH
$29^{\text {c }}$
Exceptionally shallow design-only $1 / 8^{\prime \prime}$ deep for panel mounting. Contact resistance: $1 / 20$ ahm or less; insul. res. 20 megohms at 500 V DC. max. AC current 0.5 amps. Withstands 600 V AC. Size $5 / 8 \times 1 / 8 \times 5 / 16^{\circ}$. Size of switch body, mounting ears add $1 / 2^{\prime \prime}$ to overali length. Mfg. centers $\mathbf{1}^{*}$. Shpg. wt., oz. Imported.
99 T 6189
Net 29


4 Position Slide Switch: Compact. versatile usage switch. Positive snap action. Silvered contacts. Masures $17 / \mathrm{ex}^{2} / 8 \times 1 / 2^{\text {" }}$ over-all. Mig. Centers $15 /{ }^{3 \prime}$. Mtg. holes tapped for 4/40 screw. Shpg, wt. 3 oz Imported.
99 T6161 Net es. 29
Lots of 10, Net ea. 25

# Switches for Industry and Experimenters 

## MAGNETIC PROXIMITY SWITCH



- Magnet Switch-Circuit Closes When Magnet Approaches Switch
- Hermetically Sealed

An Ingenious liftle device that has untold uses in the home-in a burglar alarm system, electric trains, "magic tricks," and many more. As the magnet approaches the switch, the circuit closes. Hermetically sealed; precious metal contacts: 1 milli. second actuation. 15 watts resistive max. up to 1 amp to 250 volts. Size: $2 \% 0^{\prime \prime}$ with leads. Sthpg. wt., 3 o2s.
34 T4401

## MIDGET-BAKELITE KNIFE SWITCHES



Complete switches mounted on black bakelite base with insulated knob handle of black bakelite. Plated brass contacts provide positive low.resistance connection. Imported. SPDT XNIFE SWITCH
Overall size $11 / 3 \times 234$. Shpg. wt., 602. 99 T 6152 Net. 19 ea.
DPDOT XNIFE SWITCH Overall size $150 \times 27 \mathrm{~m}^{\prime \prime}$. Shpg. wt., 401. 99 T 6153 ............ 25 ea.- 10 for 2.25 ILLUMINATED "SEESAW" SWITCH $99^{\circ}$

SPST. FIlip action, rocker arm type, rated at 125 V $A C, 10 \mathrm{amp}$. Illuminated. Fully enclosed. Mounts llush in panels up to
 $1 / 8^{\circ}$ thick. Requires mounting hole $11 \% \times 5 / 8{ }^{\circ}$. Mtg. centers $1 \%$. Shpg. wt., 202.1 mported. 99 T 6259 Lots of Net ea. 99

## RUGGED LEVER SWITCH FOR AUDIO AND INTERCOMS



4PDT Audio Lever Switch: Has 2 dual sets of single pole, double throw contacts. One set is momentary contact-spring return, (press-to-talk). In the reverse position of the tever (dictate), the second set of contacts remain in the positive position until released. Panel mounting, mig. centers $1^{\prime \prime}$ apart. Size $244^{*}$ long behind panel. $1 \mathrm{~h}, \mathrm{~W} \times 1$ "H. Imported. Shpg. wt., 302. 9976158

Net.ea . 99

> 3-WAY SPEAKER SWITCH


Gives choice of front speaker alone, rear speaker alone, or both together. Comes completely assembled on black and silver metal plate with ivory knob and cable for connection to both speakers. With hardware and simple instructions. Imported.
99 T 8500 Shpg. wt., $1 / 2 \mathrm{lb} . \ldots . .$. Net .49

## HEAVY DUTY LOCK SWITCH

\author{

- For Burglar
} Alarm Systems - Hidden Auto Disconnect


## HART AND HEGEMAN MOMENTARY PUSH BUTTON SWITCHES



Metal base push switches with laminated phenolic sections, slotted sleeve $15 / 32$ diam., $7 / 16^{\prime \prime}$ long. All have solder lug term inal, and plain tops except *. Those shown as red and black are supplied with detach able insulated stem coverings. Complete with mounting ring and nut. Rated 1 A. 125 VAC. Shpg. wt., 301.


| 2 CIRCUIT-ONE N.O., DNE |  |  |  |  |  |  |  |  | N.C. |
| :--- | :--- | :--- | :--- | :--- | :--- | :---: | :---: | :---: | :---: |
| 34 T 3450 |  | $3392 E$ | .80 | .67 | .54 |  |  |  |  |
| 34 T 3451 | Red | 3392 A | 1.00 | .83 | .66 |  |  |  |  |
| 34 T 3452 | Black | 3392 A | 1.00 | .83 | .66 |  |  |  |  |

Identical to the above switches except slotted sleeve is $15 / 32^{\prime \prime}$ by $9 / 16^{\prime \prime}$ long. Shpg. wi., 302

| 34 T 34S3 | - | 3392 | . 00 | . 67 | . 54 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 34 T 3454 | Red | 3392AE | 1.00 | . 83 | . 66 |
| 34 T 3455 | Black | 3392AE | 1.00 | . 83 | . 66 |
| NDRMALLY CLOSED-SPST |  |  |  |  |  |
| 34 T 3456 | - | 3391 | . 62 | . 52 | . 42 |
| 34 T 3457 | Red | $33916 J$ | . 82 | . 58 | . 54 |
| 34 T 3458 | Black | 3391GJ | . 82 | . 68 | . 54 |
| MORMALIY OPEN-SPST |  |  |  |  |  |
| 3413459 | - | 3391 E | . 62 | . 52 | . 42 |
| 34 T 3460 | Red | 3391 GL | . 82 | . 68 | . 54 |
| 34 T 3461 | Black | 3391 GL | . 22 | . 68 | . 54 |

Type 3391-194 Snap-On Insulator Buttons for any of the above switches. Wt. 102 .
34 T 3462 Red Net ea. 20

34 Y 3463 Black
Net ea. 20

## SWITCHCRAFT TINI.SWITCH

Subminiature push-button switch for use in limited space applications. Specially useful In miniaturized transistor devices, microphones, intercoms or wherever an extra small switch is desired. One-piece plastic shaft available in red or black. Sultable for low level circults only. No = normally open. NC= normally closed. Threaded $1 / 4^{*}$ bushing. 11/16" long, requires $3 / 8^{*}$ behind panel Shpg. wt., 302.

Blach Type

| Stock No. | Mts.No. | Contacts | Net Ea. <br> In Lots of |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |
| $34 T 6001$ | 961 | SPST-NO | . 57 | . 53 | . 48 |
| 34 T 6002 | 962 | SPST-NC | . 57 | . 53 | . 48 |
| 34 T 6003 | 963 | SPDT | . 66 | . 61 | . 55 |
| Red Type |  |  |  |  |  |
| 34 T 6004 | 951 | SPST-NO | . 57 | . 53 | . 48 |
| 34 T 6005 | 952 | SPST-NC | . 57 | . 53 | . 48 |
| 34 T 6006 | 953 | SPDT | . 66 | . 61 | . 55 |

## MINIATURE ROTARY SWITCH

 3 GANG 9 POLE 3 POSIJION

Non-shorting type with 3 circuits per gang or section. Rated current capaclty is 50 ma at 100 VAC. Insulation resistance 100 meg. ohms at 500 VDC. Contact resistance with. out load is $1 / 100$ ohm at 6 VOC. Perfect for transistor applications. Mounting depth is $11 / 2^{*}$. Imported. Shpg. wt., 402.
99 T 6171
Net .79

# MALIORY All Purpose Switches 

## DECADE SWITCHES

## MULTIGANG ROTARY SWITCHES

Type 153L capacitor switch and 154L resistor switch for simple construction of decade boxes (up to 10 positions). Phenolic insulation. The number of positions is adjustable for use as a single decade or with more switches as a multiple decade. Requires only 4 capacitors or resistors for full decade operation. Depth behind panel is $1^{\prime \prime}$. lateral space $\mathbf{2}^{\prime \prime}$. Voltage breakdown rating 500 V DC or AC. Shaft $2^{\prime \prime}$ long $x 1 / 4^{\prime \prime}$ diameter. With knob and hardware. Shpg. wt., 802.

| Stock No. | Type | $\begin{gathered} 1.4 \\ \text { Each } \end{gathered}$ | $\begin{gathered} 5.9 \\ \text { Each } \end{gathered}$ | $10.24$ <br> Each | $\begin{aligned} & 25-49 \\ & \text { Each } \end{aligned}$ | $\begin{aligned} & 50.99 \\ & \text { Each } \end{aligned}$ | $\begin{aligned} & 100 \\ & 499 \\ & \text { Each } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 T 4126 | 1531 | 2.70 | 2.25 | 2.03 | 1.92 | 1.80 | 1.62 |
| 30 T 4127 | 154L | 2.94 | 2.45 | 2.21 | 2.09 | 1.96 | 1.76 |
| 30 T 4083 | e 389 | Dial P | e for | ove |  |  | t. 12 |

CERAMIC "HAMBAND" SWITCHES
All are non-shorting with continuous rotation and $90^{\circ}$ indexing. Ratec 1000 VDC and 100 Watts. $2 \times 1 / 4^{\prime \prime}$ notched shaft with $3 / 6 \times 3 / s^{\prime \prime}$ bushing. 2 gang have $17 / \mathrm{g}^{\prime \prime}$ spacing between; other $1^{\prime \prime}$. Mitg. radilis $1^{\prime \prime}$ with knob, nut and lock washer. Av. shpg. wt., 80 oz

| Stock No. | Mfg. No. | Gang s | Total Poles | Pos. Per Pole | $\begin{gathered} \text { 1-4 } \\ \text { Each } \end{gathered}$ | $\begin{gathered} 5.9 \\ \text { Each } \end{gathered}$ | $\begin{gathered} 10- \\ 24 \\ \text { Each } \end{gathered}$ | $\begin{aligned} & 25 . \\ & 49 \\ & \text { Each } \end{aligned}$ | $\begin{gathered} 50- \\ 99 \\ \text { Each } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 T 4128 | 161 C | \| 1 | 1 | 4 | 2.15 | 1.80 | 1.62 | 1.54 | 1.44 |
| 30 T 4129 | 162 C | 2 | 2 | 4 | 3.06 | 2.55 | 2.30 | 2.18 | 2.04 |
| 30 T 4130 | $163 C$ | 3 | 3 | 4 | 3.98 | 3.30 | 2.97 | 2.82 | 2.64 |
| 30 T 4131 | 164C | 4 | 4 | 4 | 4.85 | 4.05 | 3.65 | 3.46 | 3.24 |
| 30 T 4132 | 165C | 5 | 5 | 4 | 5.76 | 4.80 | 4.32 | 4.10 | 3.84 |

Mallory 488 dial plate for above. Shpg. wt., 2 oz.
30 T 4926

## CERAMIC SELECTOR SWITCHES

Ideal for RF circuits. All non-shorting. Ceramic insulation, silver plated contacts. $1 / 2^{\prime \prime}$ spacing between gangs except $1^{\prime \prime}$ on 3 gang. Voltage breakdown 500V AC or DC. Max. non-breaking resistive load is 10 amps. $1^{\prime \prime} \mathrm{mtg}$. radius. Notched shaft $2 \mathrm{~L} \times \mathrm{y} / \mathrm{c}^{\prime \prime}$ diameter with $3 / \mathrm{sx}$ $3 / 8$ " bushing. Adjustable stop. Type with " have added "OFF" position preceding others. With knob, nut and lockwasher. Shpg. wt., 8 oz .


IWO GANG

| Stock No. | Mig. No. | Pole <br> Per <br> Gang | $\begin{aligned} & \text { SPos } \\ & \text { Pe } \\ & \text { Pol } \end{aligned}$ | $\begin{gathered} 1-4 \\ \text { Each } \end{gathered}$ | $\begin{aligned} & 5.9 \\ & \text { Each } \end{aligned}$ | $\begin{aligned} & 10.24 \\ & \text { Each } \end{aligned}$ | $\begin{aligned} & 25-49 \\ & \text { Each } \end{aligned}$ | $\begin{aligned} & 50.99 \\ & \text { Each } \end{aligned}$ | $\begin{aligned} & 100 . \\ & 499 \\ & \text { Each } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 T 4060 | 176C | 1 | 11 | 3.39 | 2.83 | 2.54 | 2.42 | 2.26 | 2.03 |
| 30 T 4061 | 177C* | 2 | 5 | 3.70 | 2.83 | 2.54 | 2.42 | 2.25 | 2.03 |
| 30 T 4062 | 178C* | 3 | 3 | 3.39 | 2.83 | 2.54 | 2.42 | 2.25 | 2.03 |
| THREE GANG |  |  |  |  |  |  |  |  |  |
| Stock No. | PolesMfg. PerNo. Gang |  | Pos Per Pole | $\begin{gathered} 1-4 \\ \text { Each } \end{gathered}$ | $\begin{gathered} 5.9 \\ \text { Each } \end{gathered}$ | $\begin{aligned} & 10.24 \\ & \text { Each } \end{aligned}$ | $\begin{gathered} 25-4950-99 \\ \text { Each Each } \end{gathered}$ |  | $\begin{aligned} & 100 \\ & 499 \end{aligned}$ <br> Each |
| 30 T 4063 | 180C | 1 | 11 | 4.32 | 3.60 | 3.24 | 3.08 | 2.88 | 2.59 |
| 30 T 4054 | 181C* | 2 | 5 | 4.32 | 3.60 | 3.24 | 3.08 | 2.88 | 2.59 |

## LEVER ACTION SWITCHES

Positive action, phenolic sections. 6000 series have mtg. brackets with round holes $15 \%$ " apart; 5000 series have elongated holes in bracket with $2 \%_{12}$ " centers, Voltage rating 500 VAC-DC. Max. nonbreaking current resistive load, 6 amp. at 6 VAC. $20^{\circ}$ indexing with knob and hardware. Shpg. wt., 4 oz.


Phenoiic wafers. $1 / 2^{N}$ spacing between gangs except 3 and 4 gang is $1^{\prime \prime}$. Indexing is $30^{\circ}$. Have 1 fixed and 1 adjustable stop. Voltage breakdown 1000 V AC or DC. Contacting members silver coated $2^{\prime \prime}$ notched shaft requires $\boldsymbol{K}_{6}^{\prime \prime} \mathrm{mtg}$. hole. Types with "have additional off position with alf circuits open. With bar knob, nut and lock washer. Avg. shpg. wt., 8 oz .

| Non-Shorting <br> Stock No. Mfg. |  | Total Per Gang Poles Pole |  |  | $\begin{gathered} \text { 1-4 } \\ \text { Each } \end{gathered}$ | $\begin{gathered} 5-9 \\ \text { Each } \end{gathered}$ | $\begin{aligned} & 10-24 \\ & \text { Each } \end{aligned}$ | $\begin{aligned} & 25-49 \\ & \text { Each } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 T 4041 | 13111 | 1 | 1 | 11 | 2.10 | 1.75 | 1.58 | 1.50 |
| 30 T 4042 | 1315 ${ }^{\text {* }}$ | 1 | 2 | 5 | 2.10 | 1.75 | 1.58 | 1.50 |
| 30 T 4043 | 1313L* | 1 | 3 | 3 | 2.10 | 1.75 | 1.58 | 1.50 |
| 30 T 4044 | 1312L* | 1 | 4 | 2 | 2.10 | 1.75 | 1.58 | 1.50 |
| 30 T 4045 | 13214 | 2 | 2 | 11 | 2.58 | 2.15 | 1.94 | 1.84 |
| 30 T 4046 | 1325L* | 2 | 4 | 5 | 2.58 | 2.15 | 1.94 | 1.84 |
| 30 T 4047 | 13231* | 2 | 6 | 3 | 2.58 | 2.15 | 1.94 | 1.84 |
| 30 T 4048 | 1322L* | 2 | - | 2 | 2.58 | 2.15 | 1.94 | . 84 |
| 30 T 4049 | 13311 | 3 | 3 | 11 | 3.24 | 2.70 | 2.43 | 2.31 |
| 30 T 4050 | 1335L* | 3 | 6 | 5 | 3.24 | 2.70 | 2.43 | 2.31 |
| 30 T 4268 | 1333L* | 3 | 9 | 3 | 3.24 | 2.70 | 2.43 | 2.31 |
| 30 T 4269 | 1332L* | 3 | 12 | 2 | 3.24 | 2.70 | 2.43 | 2.31 |
| 30 T 4051 | 1341L |  | 4 | 11 | 3.81 | 3.18 | 2.86 | 2.71 |
| 30 T 4052 | 1345 ${ }^{*}$ | 4 | 8 | 5 | 3.81 | 3.18 | 2.86 | 2.71 |
| 30 T 4266 | 1343L* | 4 | 12 | 3 | 3.81 | 3.18 | 2.86 | 2.71 |
| 30 T 4267 | 1342L* | 4 | 16 | 2 | 3.81 | 3.18 | 2.86 | 2.71 |
| 30 T 4053 | 1351L | 5 | 5 | 11 | 4.11 | 3.43 | 3.08 | 2.93 |
| 30 T 4054 | 1356L* | 5 | 10 | 5 | 4.53 | 3.78 | 3.40 | 3.23 |
| 30 T 4055 | 1361L | 6 | 6 | 11 | 4.83 | 4.03 | 3.62 | 3.44 |
| 30 T 4056 | 1366L* | 6 | 12 | 5 | 5.52 | 4.60 | 4.14 | 3.93 |

## CERAMIC MINIATURE ROTARY SWITCHES

Uses military grade L. 5 steatite, treated with Dow-Corning 200. Has common contact on opposite side of wafer from other contacts. Breakdown voltage between contacts, and contacts and frames is 1700 V R.M.S., 60 cycles. Contact rating is 350 MA at 500 volts R.M.S resistive load. Shaft is $2^{\prime \prime}$ long by $1 / 4^{\prime \prime}$ dia. with $1 / 2^{\prime \prime}$ spacing between wafers. Wafers are $11 / 4^{\prime \prime}$ dia. and $30^{\circ}$ indexing. Overall dia. $1 \% i^{\prime \prime}$. Supplied with knob, adjustable stop, lock washer and nut. Shpg. wt. 3 oz.

| Stock No. | Mfg. No. | Cir. Per Sec. | Sec. Pos. |  | $\begin{aligned} & 1.4 \\ & \text { Ea. } \end{aligned}$ | $\begin{aligned} & 5.9 \\ & \text { Ea. } \end{aligned}$ | $\begin{gathered} 10.24 \\ \text { E. } \end{gathered}$ | $\begin{gathered} 25-49 \\ \text { Ea } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 T 4211 | 4M21112C | 1 | 1 | 12 | 2.37 | 1.98 | 1.78 | 1.69 |
| 30 T 4212 | 4M2216C | 2 | 1 | 6 | 2.37 | 1.98 | 1.78 | 1.69 |
| 30 T 4213 | 4M21212C | 1 | 2 | 12 | 3.39 | 2.83 | 2.54 | 2.42 |
| 30 T 4214 | 4M2315C | 3 | 1 | 5 | 2.37 | 1.98 | 1.78 | 1.69 |
| 30 T 4215 | 4M2132C | 1 | 3 | 12 | 4.32 | 3.60 | 3.24 | 3.08 |
| 30 T 4216 | 4M2226C | 2 | 2 | 6 | 3.39 | 2.83 | 2.54 | 2.42 |
| 30 T 4217 | 4M21412C | 1 | 4 | 12 | 5.19 | 4.33 | 3.89 | 3.70 |
| 30 T 4218 | 4M2513C | 5 | 1 | , | 2.37 | 1.98 | 1.78 | 1.69 |
| 30 T 4219 | 4M21512C | 1 | 5 | 12 | 6.18 | 5.15 | 4.64 | 4.40 |
| 30 T 4220 | 4M2612C | 6 | 1 | 2 | 2.37 | 1.98 | 1.78 | 1.69 |
| 30 T 4221 | 4M2325C | 3 | 2 | 5 | 3.39 | 2.83 | 2.54 | 2.42 |
| 30 T 4222 | 4M2236C | 2 | 3 | 6 | 4.32 | 3.60 | 3.24 | 3.08 |
| 30 T 4223 | 4M21612C | 6 | 1 | 12 | 7.20 | 6.00 | 5.40 | 5.13 |
| 30 T 4224 | 4M2246C | 2 | 4 | 6 | 5.19 | 4.33 | 3.89 | 3.70 |
| 30 T 4225 | 4M2335C | 3 | 3 | 5 | 4.32 | 3.60 | 3.24 | 3.08 |
| 30 T 4226 | 4M2523C | 5 | 2 | 3 | 3.39 | 2.83 | 2.54 | 2.42 |
| 30 T 4227 | 4M2256C | 2 | 5 | 6 | 6.18 | 5.15 | 4.64 | 4.40 |
| 30 T 4228 | 4M2622C | 6 | 2 | 2 | 3.39 | 2.83 | 2.54 | 2.42 |
| 30 T 4229 | 4M2266C | 2 | 6 | 6 | 7.20 | 6.00 | 5.40 | 5.13 |
| 30 T 4230 | 4M2533C | 5 | 3 | 3 | 4.68 | 3.90 | 3.51 | 3.33 |
| 30 T 4231 | 4M2632C | 6 | 3 |  | 4.68 | 3.90 | 3.51 | 3.33 |

## MINIATURE PUSH-BUTTON SWITCHES

Non-locking type, contact made only when depressed. Silver contacts, cadmium plated 'frame. Mount in $K_{s}{ }^{2 \prime}$ hole on up to $1 / 4^{\prime \prime}$ panels. Mig. radius $1 \mathrm{Ka}^{\prime \prime}$. Mig. depth Ki" min. to $7 / \mathrm{e}^{\prime \prime}$ max. Circuit codes: M=make, $B=b r e a k, ~ M B 8=$ make before break. Voltage breakdown 500 VDC , With hardware. Shpg. wt., 3 oz.

| Stock No. | $\begin{aligned} & \text { Mfg. } \\ & \text { No. } \end{aligned}$ | Circuit | $\begin{aligned} & 1.4 \\ & \text { Ea. } \end{aligned}$ | $\begin{aligned} & 5 \cdot 9 \\ & \text { Ea, } \end{aligned}$ | $\begin{gathered} 10.24 \\ \text { Ea. } \end{gathered}$ | $\begin{aligned} & 25 . \\ & 49 \\ & \text { Ea. } \end{aligned}$ | $\begin{aligned} & 50 . \\ & 99 \\ & \text { Ea. } \end{aligned}$ | $\begin{gathered} 100- \\ 499 \\ \text { Ea. } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 T 4111 | 1011 | SPST-M | . 69 | . 58 | . 52 | 49 | . 46 | . 41 |
| 30 T 4112 | 1012 | SPST-B | . 69 | . 58 | . 52 | . 49 | . 46 | . 41 |
| 30 T 4113 | 1013 | SPDT | . 78 | . 68 | . 59 | . 56 | . 52 | . 47 |
| 30 T 4114 | 1014 | DPST-M2 | . 87 | . 73 | . 65 | . 62 | . 58 | . 52 |
| 30 T 4115 | 1015 | DPST. 22 | . 87 | . 73 | . 65 | . 62 | . 58 | . 52 |
| 30 T 4116 | 1016 | DPDT | 1.05 | . 88 | . 79 | . 75 | . 70 | . 63 |
| 30 T 4117 | 1017 | DP-M2B1 | 1.05 | . 88 | . 79 | . 75 | 10 | . 63 |
| 30 T 4118 | 1018 | DPDT.M8B | 1.44 | 1.20 | 1.08 | 1.03 | . 96 | . 63 |

\title{

MALIORY Switches and Dial Plates

\section*{SINGLE GANG

## SINGLE GANG ROTARY SWITCHES

Single gang, phenolic wafer. $11 / 4^{\prime \prime}$ diameter and $30^{\circ}$ Indexing except "are $11 / 4_{0}$ " and have $20^{\circ}$ indexing and adjustable stop. Voltage breakdown 300 VAC or DC. $2^{\prime \prime}$ notched shaft with


| Stock No. | mig. No | ck | Mig. |  | Positions | $\begin{aligned} & 1.4 \\ & \text { Each } \end{aligned}$ | $\begin{aligned} & 5.9 \\ & \text { Each } \end{aligned}$ | $\begin{gathered} 10.24 \\ \text { Each } \end{gathered}$ | $\begin{gathered} 25-49 \\ \text { Each } \end{gathered}$ | $\begin{gathered} 50.95 \\ \text { Each } \end{gathered}$ | Each |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 T 4001 | 3115 | 30 T 4013 | 32151 | 1 | 5 | 1.02 | 85 | 77 | 73 | 68 | 61 |
| 30 T 4002 | 31112 | 30 T 4014 | 32112 J | 1 | 12 | 1.02 | 85 | 17 | . 73 | 68 | 61 |
| 30 T 4003 | 3122J | 30 T 4015 | 3222J | 2 | 2 | 1.02 | . 85 | . 77 | . 73 | . 68 | . 61 |
| 30 T 4004 | 31231 | 30 T 4016 | 32231 | 2 | 3 | 1.02 | . 85 | 77 | 73 | . 68 | . 61 |
| 30 T 4005 | 3126」 | 30 T 4017 | 3226 | 2 | 6 | 1.02 | . 85 | . 77 | . 73 | 68 | 61 |
| 30 T 4006 | 3134) | 30 T 4018 | 3234) | 3 | 4 | 1.05 | . 88 | . 79 | . 75 | 70 | 63 |
| 30 T 4007 | 3142 | 30 T 4019 | 3242J | 4 | 2 | 1.05 | 88 | . 79 | . 75 | 70 | 63 |
| 30 T 4008 | 31431 | 30 T 4020 | 3243! | 4 | 3 | 1.05 | 88 | . 79 | 75 | 70 | 63 |
| 30 T 4009 | 31117** | 30 T 4021 | 321171* | 1 | 17 | 1.56 | 1.30 | 1.17 | 1.11 | 1.04 | . 94 |
| 30 T 4010 | 3129]* | 30 T 4022 | 32295* | 2 | 9 | 1.56 | 1.30 | 1.17 | 1.11 | 1.04 | . 94 |
| 30 T 4011 | 3136J* | 30 T 4023 | 32365* | 3 | 6 | 1.65 | 1.38 | 1.24 | 1.18 | 1.10 | . 99 |
| 30 T 4012 | 3163j* | 30 T 4024 | 32631* | 6 | 3 | 1.65 | 1.38 | 1.24 | 1.18 | 1.10 | 99 |

## PHENOLIC MINIATURE ROTARY SWITCHES

Stators and rotors use Richardson T725 grade phenolic. Has common contact on same side as the switching contacts. Commercial equivalent to MiL- $5-3786$. Breakoown voltage between contacts, and contacts and frames is 1700 V R.M.S., 60 cycles. Contact rating is 350 MA at 500 volts R.M.S. resistive $10 a \mathrm{~d}$. Shaft is $2^{\prime \prime}$ long by $1 / a^{\prime \prime}$ dia, with $1 / 2^{\prime \prime}$ spacing between wafers. Wafers are $14 / 4^{\prime \prime}$ dia. and $30^{\circ}$ indexing. Overall dia. $1 \% 0^{\prime \prime}$. Supplied with knob, adjustable stop, lock washer and nut. Shpg. wt., 3 oz.

| $\begin{aligned} & \text { Non.Sr } \\ & \text { Stock No. } \end{aligned}$ | orting Mfr. No. | Cir. <br> Per <br> Sec. | Sec. | Pos. | $\begin{aligned} & 1-4 \\ & E_{2} . \end{aligned}$ | $\begin{aligned} & 5-9 \\ & \text { E. } \end{aligned}$ | $\begin{gathered} \text { 10-24 } \\ \text { Ea. } \end{gathered}$ | $\begin{gathered} 25.49 \\ \text { Ea. } \end{gathered}$ | $\begin{gathered} 50-99 \\ \text { Ea. } \end{gathered}$ | $\begin{aligned} & 100 . \\ & 499 \\ & \text { Ea. } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 T 4172 | 4M21111 | 1 | 1 | 11 | 1.80 | 1.50 | 1.35 | 1.28 | 1.20 | 1.08 |
| 30 T 4173 | 4M2215 | 2 | 1 | 5 | 1.80 | 1.50 | 1.35 | 1.28 | 1.20 | 1.08 |
| 30 T 4174 | 4M21211 | 1 | 2 | 11 | 2.58 | 2.15 | 1.94 | 1.84 | 1.72 | 1.55 |
| 30 T 41775 | 4M2313 | 3 | 1 | 3 | 1.80 | 1.50 | 1.35 | 1.28 | 1.20 | 1.08 |
| 30 T 4176 | 4M21311 | 1 | 3 | 11 | 3.24 | 2.70 | 2.43 | 2.31 | 2.16 | 1.94 |
| 30 T 4177 | 4M2412 | 4 | 1 | 2 | 1.80 | 1.50 | 1.35 | 1.28 | 1.20 | 1.08 |
| 30 T 4178 | 4M2225 | 2 | 2 | 5 | 2.58 | 2.15 | 1.94 | 1.84 | 1.72 | 1.55 |
| 30 T 4179 | 4M21411 | 1 | 4 | 11 | 3.81 | 3.18 | 2.86 | 2.71 | 2.54 | 2.29 |
| 30 T 4180 | 4M21511 | 1 | 5 | 11 | 4.47 | 3.73 | 3.35 | 3.18 | 2.98 | 2.68 |
| 30 T 4181 | 4M2323 | 3 | 2 | 3 | 2.58 | 2.15 | 1.94 | 1.84 | 1.72 | 1.55 |
| 30 T 4182 | 4M2235 | 2 | 3 | 5 | 3.24 | 2.70 | 2.43 | 2.31 | 2.16 | 1.94 |
| 30 T 4183 | 4M21611 | 1 | 6 | 11 | 5.04 | 4.20 | 3.78 | 3.59 | 3.36 | 3.02 |
| 30 T 4184 | 4M2422 | 4 | 2 | 2 | 2.58 | 2.15 | 1.94 | 1.84 | 1.72 | 1.55 |
| 30 T 4185 | 4M2245 | 2 | 4 | 5 | 3.81 | 3.18 | 2.86 | 2.71 | 2.54 | 2.29 |
| 30 T 4186 | 4M2255 | 2 | 5 | 5 | 4.47 | 3.73 | 3.35 | 3.18 | 2.98 | 2.68 |
| 30 T 4187 | 4M2432 | 4 | 3 | 2 | 3.24 | 2.70 | 2.43 | 2.31 | 2.16 | 1.94 |
| 30 T 4188 | 4M2265 | 2 | 6 | 5 | 5.04 | 4.20 | 3.78 | 3.59 | 3.36 | 3.02 |

ALL PURPOSE SWITCHES
Single section phenolic type $2^{\prime \prime \prime}$ long by $1 / 4^{\prime \prime}$ dia. shaft with $3 /{ }^{\prime \prime}$ bushing. Supplied with knob lockwasher and nut except $t$ uses knurled shaft, no knob furnished. Spring return feature. § HAS AC Line Switch. Shps. wt., 302.

| Stock No. | Mfr. No. <br> Ci | Cir. Pos. Ea. | $\begin{aligned} & \text { 5: } \\ & 9 \\ & \text { Ea. } \end{aligned}$ | $\begin{aligned} & 10- \\ & 24 \\ & \text { Ea. } \end{aligned}$ | $\begin{aligned} & 25 \\ & 49 \\ & \text { E2. } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 T 4919 | 4M1114D§ | § 141.80 | 1.50 | 1.35 | 1.28 |
| 30 T 4920 | 5M1112 | 121.08 | . 90 | . 81 | . 77 |
| 30 T 4921 | 5M1113 | 131.08 | . 90 | . 81 | . 77 |
| 30 T 4922 | 5M1113K $\dagger$ | †13 13.75 | . 63 | . 56 | . 53 |
| 30 T 4923 | 5M1213 | 231.08 | . 90 | . 81 | . 77 |
| NON-SHORTING TYPES |  |  |  |  |  |
| 30 T 4924 | 4M2412S* | - 421.44 | 1.20 | 1.08 | 1.03 |
| 30 T 4925 | 5M2213* | 231.08 | . 90 | . 81 | . 77 |

## MINIATURE LEVER SWITCHES

Phenolic type all are single section type. Contact rating is 350 MA at 500 volts RMS resistive load. $30^{\circ}$ indexing. Mtg. holes $15 /$ /a $^{\prime \prime}$ apart. *are positive action and spring re. turn. \& are spring return. Supplied with lever knob. Shpg. wt., 3 oz.

| Stock No. | Mfr. No. | Cir. Pos. Ea. | $\begin{gathered} \hline 5 \cdot \\ 9 \\ \text { Ea. } \end{gathered}$ | $\begin{aligned} & 10 . \\ & 24 \\ & \text { Ea. } \end{aligned}$ | $\begin{aligned} & 25 . \\ & 49 \\ & \text { Ea. } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 T 4147 | 6M1213 | 231.26 | 1.05 | . 95 | 90 |
| 30 T 4149 | 6M1213U* | * 231.26 | 1.05 | . 95 | . 90 |
| 30 T 4150 | 6M1412S $\dagger$ | + 421.44 | 1.20 | 1.08 | 1.03 |
| NON SHORTING TYPES |  |  |  |  |  |
| 30 T 4151 | 6M2213 | 231.26 | 1.05 | . 95 | . 90 |
| 30 T 4152 | 6M2213S $\dagger$ | ¢ $\begin{aligned} & 2 \\ & 3\end{aligned} 1.26$ | 1.05 | . 95 | . 90 |
| 30 T 4153 | 6M2213U* | * 231.26 | 1.05 | . 95 | . 90 |
| 30 T 4154 | 6M2412S $\dagger$ | ¢ 421.44 | 1.20 | 1.08 | 1.03 |

## 24 POSITION TAP SWITCH

## (0) DIAL PLATES

Single circuit 24 positions, continuous rotation with no stops. $15^{\circ}$ spacing between positions. Non-shorting. $2^{\prime \prime}$ notched shaft. $3 / \mathbf{x} 7 /{ }^{\prime \prime}$ bushing. 2 phenolic sections. Voltage breakdown 1000 V AC-DC. With knob, hardware and dial plate. Shpg. wi., 6 oz.


Etched aluminum on black background. Use $30^{\circ}$ spacing plates for all Mallory 1200 L and 1300 L series switches and for $11 / a^{\prime \prime}$ base. 3100 J and 3200 J series. $20^{\circ}$ spacing for $11 \mathrm{~K}_{6}^{\prime \prime}$ base switches in latter series. $11 \mathrm{~K}_{0}$ " diam. "Ko" hole. Shpg. wt., 202
$30^{\circ}$ SPACING FOR $11 / 4^{\prime \prime}$ BASE SWITCHES

| Stock No. | Mfg. Ho. | Marking | Stock No. | Mfg. No. | Marking |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 T 4066 | 372 | 1 to 2 | 3014076 | 382 | 1 to 12 |
| 30 T 4067 | 373 | 1 10 3 | 30 T 4077 | 383 | Off 1 to 3 |
| 30 T 4068 | 374 | 1 to 4 | 30 T 4078 | 384 | Off 1 to 4 |
| 30 T 4069 | 375 | 1 to 5 | 30 T 4079 | 385 | 0 Off 1 to 5 |
| 3014070 | 376 | 1 to 6 | 30 T 4080 | 386 | Off 1 to 6 |
| 3014071 | 377 | 1 to 7 | 30 T 4081 | 387 | Off 1 to 7 |
| 30 T 4072 | 378 | 1 to 8 | 30 T 4082 | 388 | Off 1 to 8 |
| 30 T 4073 | 379 | 1 to 9 | 30 T 4083 | 389 | Off 1109 |
| 30 T 4074 | 380 | 1 to 10 | 30 T 4084 | 390 | Off 1 to 10 |
| 30 T 4075 | 381 | 1 to 11 | NET EACH . 12 |  |  |


| Stock No. | Mfg. No. | Marking | Stock No. | Mfg. No. | Marking |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 T 4085 | 453 | 1 to 3 | 30 T 4097 | 474 | Off 1 to 4 |
| 30 T 4086 | 454 | 1 to 4 | 30 T 4098 | 475 | Off 1 to 5 |
| 30 T 4087 | 455 | 1 to 5 | 30 T 4099 | 476 | OHf 1 to 6 |
| 30 T 4088 | 456 | 1 to 6 | 30 T 4101 | 477 | Off 1 to 7 |
| 30 T 4089 | 457 | 1 to 7 | 30 T 4102 | 478 | Off 1 to 8 |
| 30 T 4090 | 458 | 1 to 8 | 30 T 4103 | 479 | Off 1 to 9 |
| 30 T 4091 | 459 | 1 to 9 | 30 T 4104 | 484 | Off 1 to 14 |
| 30 T 4092 | 460 | 1 to 10 | 30 T 4105 | 483 | Off 1 to 13 |
| 30 T 4093 | 461 | 1 to 11 | 30 T 4106 | 480 | Off 1 to 10 |
| 30 T 4094 | 462 | 1 to 12 | 30 T 4107 | 481 | Off 1 to 11 |
| 30 T 4095 | 467 | 1 to 17 | 30 T 4108 | 482 | Off 1 to 12 |
| 30 T 4096 | 473 | Off 1 to 3 | 30 T 4109 | 486 | Off 1 to 16 |
|  |  | Any above | T EACH .12 |  |  |

JAN－S－23 and MIL－S－21195 HEAVY DUTY SWITCHES all meet tan．S． 23 and Ml－s． 21195 spectics．

 inals meet JAN．S－23 and MIL $\mathrm{S}-21195$ specs．；types with solder lug terminals meet JAN．5－23．Avg．shpg．wt．， 3 oz．

| Stock No． | Net Ea．Lots of |  |  |  |  | Stock No． $\begin{gathered}\text { Cort．} \\ \text { Type }\end{gathered}$ |  | Net Ea，Lots of |  |  |  | Stock No． | Govt Type | Net Es．Lots of |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Gort． <br> Type | C | 1－29 |  | $\begin{aligned} & 100 . \\ & 249 \end{aligned}$ |  |  |  |  |  |  |  |  | c |  |  | $\begin{aligned} & 100 \\ & 245 \end{aligned}$ |
| SPST－SCREW IERMINALS（FIR B） |  |  |  |  |  | SPOT－SOLDER TERMIMALS（FIE，C） |  |  |  |  |  | DPDT－SCREW TERMMAL（Fir．D） |  |  |  |  |  |
| 33 T 2639 | ST40A | 1 | 1.08 | ． 93 | ． 75 | 33 T 2650 | S1420 | 2 | 120 | ． 96 | ． 78 | 3312661 | ST50N | 2 | 1.60 | 1.33 | 1.06 |
| 33 T 2640 | ST408 | 3 | 1.21 | 1.04 | ． 83 | 33 T 2651 | ST42E | 5 | 1.20 | ． 96 | ． 78 | 33 I 2662 | STSOP | 5 | 1.60 | 1.33 | 1.06 |
| 33 T 2641 | ST40C | 4 | 1.21 | 1.04 | ． 83 | 33 T 2652 | ST42F | 6 | 1.34 | 1.08 | ． 87 | 33 T 2663 | STS0R |  | 1.82 | 1.52 | 1.21 |
| SPST | SOLDER | TER | NALS | （Fig．C） |  | 33 T 2653 | ST42G | 9 | 1.34 | 1.08 | ． 67 | 33 T 2664 | ST50S | 9 | 1.82 | 1.52 | 1.21 |
| 33 T 2642 | ST42A | 1 | 1.01 | ． 81 | ． 66 | 33 T 2654 | ST42H | 8 | 1.34 | 1.08 | ． 1 | 33 T 2665 | STSOT | － | 1.82 | 1.52 | 1.21 |
| 33 T2643 | ST42B | 3 | 1.13 | ． 90 | ． 73 | DPS | SCREW | TER | INALS． | （Fig．D） |  | DPDT | SOLDER | TERM | inals | （FIg． | A） |
| 33 T 2644 | ST42C | 4 | 1.13 | ． 90 | ． 73 | 33 T 2655 | ST50K | 1 | 1.36 | 1.14 | 91 | 33 T2666 | ST52P | 5 | 1.39 | 1.16 | ． 92 |
| SPD | SCREW | R | Nals | （Fig．B） |  | 3312656 | ST50L | 3 | 1.60 | 1.33 | 1.06 | 33 I2667 | ST52N | 2 | 1.39 | 1.16 | ． 92 |
| 33 T 2645 | ST400 | 2 | 1.30 | 1.11 | ． 90 | 33 T 2657 | STSOM | $4_{4}^{4}$ | 1.60 | 1.33 | 1.06 | 33 T 2668 | ST52R | 6 | 1.61 | 1.35 | 1.08 |
| 33 I 2646 | ST40E | 5 | 1.30 | 1.11 | ． 90 | DPST | OLDER | TERM | NaLS | （Fig．A） |  | 33 T 2669 | ST52S | 9 | 1.61 | 1.35 | 1.08 |
| 3312647 | ST40F | 6 | 1.43 | 1.23 | ． 99 | 33 T 2658 | ST52K | 1 | 1.24 | 1.04 | ． 63 | 33 T 2670 | ST52T | 8 | 1.61 | 1.35 | 1.08 |
| 3372648 | ST40G | 9 | 1.43 | 1.23 | ． 99 | 33 T 2659 | ST52L | 3 | 1.39 | 1.16 | ． 92 | Industrials write or phone for prices in lots |  |  |  |  |  |
| 33 T 2649 | ST40H | 8 | 1.43 | 1.23 | ． 99 | 33 T 2660 | ST52M | 4 | 1.39 | 1.16 | ． 92 | of 250 or | are． | pron | dor pricor |  | dols |

MIL－S－3950B HVY．DUTY SWITCHES＇All meet MIL－S－39508 specifications Including seal and water submersion requirements． 20,000 make ano break cycles，temperature and en－ durance test at 400 cycles．All have screw terminals and＂ho＂bat handie．Dimensions MS 35058 －
 Normally rated 20 amp at $125 \mathrm{VAC}, 10 \mathrm{amp}$ at 250 V AC ．Shpg．wt．， 3 oz.

|  |  |  |  | Ea．Lots |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Sovt． |  |  |  | 100 |
| Stock $\mathrm{N}^{\text {S }}$ ． | Type | C |  | 30.99 | 249 |
| SERIES MS 35051 SRES（EIE． |  |  |  |  |  |
| 33 T 2610 | 22 |  | 1.32 | 1.08 | 88 |
| 33 Y 2611 | 29 | 3 | 1.51 | 1.23 | 1.00 |
| 33 T 2612 | 30 | 4 | 1.51 | 1.23 | 1.00 |
| 33 T 2613 | 24 | 1 | 1.37 | 1.12 | ． 92 |
| 33 T 2614 | 28 | 4 | 1.57 | 1.28 | 1.05 |
| 33 T 2615 | 25 | 3 | 1.57 | 1.28 | 1.04 |
| SERIES MS 35058 SPDT（FIE．日） |  |  |  |  |  |
| 33 T 2616 | 23 | 2 | 1.57 | 1.28 | 1.04 |
| 33 T 2617 | 21 | 5 | 1.57 | 1.28 | 1.04 |
| 33 T 2618 | 26 | 6 | 1.69 | 1.38 | 1.12 |
| 33 I 2619 | 27 | 9 | 1.69 | 1.38 | 1.12 |
| 33 T 2620 | 31 | 8 | 1.72 | 1.41 | 1.15 |
| SERIES MS 35059 DPST（FIT．D） |  |  |  |  |  |
| 33 T 2621 | 22 | 1 | 1.61 | 1.44 | 1.16 |
| 33 T 2622 | 29 | 3 | 2.24 | 1.78 | 1.44 |
| 33 T 2623 | 30 |  | 2.10 | 1.67 | 1.35 |
| 33 T 2624 | 24 | 1 | 1.81 | 1.44 | 1.16 |
| 33 T 2625 | 25 | 3 | 2.39 | 1.90 | 1.53 |



## ＂TAPESWITCH＂

## MATS AND STRIPS

 （Fig．A）（Fig．B）

Tapeswith Flextule Switch Mats（ris．A）． Less than 5 lbs．pressure activates these mats．Although rated and tested at 1 amp．， 117 VAC for floor switching， 24 －volts or less Is recommended．Only 3／32＂thick；water－ resistant durable covering．Shpg．wt．： $17 \times$ $23^{\prime \prime}$ mat 1 th．； $6 \times 23^{\prime \prime}$ mat 6 oz
$17 \times 23^{\circ \prime}$ Mat with $6^{\circ}$ Cord．
33 T 6601 $\qquad$ Net ea． 9.50 Lots of 10 ea． 8.50
6 I 23 ＂Stair Tread Mat with $18^{\prime \prime}$ Lead．
33 T 6602
Net ea． 3.95
Lots of 10 ea． 3.50

Tapeswitch mats and strips close an elec－ trical circuit．They may be used to activate annunciators in stores，offices，etc．；used to control automatic door openers in food and department stores；can be used to turn on lights，ring bells，actuate electric counters， etc．Perfect for alarm systems in homes， stores and industry．
Japeswitch Rituon switches（Fig．日）．These ＂Press at any point＂switches can be acti－ vated with only 12 oz ．of finger pressure． Normally open，momentary contact type with 4－leads．Moisture－proof chrome yellow vinyl cover．Only $9 / 16^{\prime \prime}$ thick．Rated 1 amp． 117 VAC or 28 VDC ．Shpg．wt．： $2^{\circ}$ length 4 oz ．； $5^{\circ}$ length 702
33 J $66032^{2}$＇length $\qquad$ Net ea． 2.95
Lots of 10 ea． 2.70
33 T $66045^{\prime}$ length $\qquad$ Net ea， 4.75 Lots of $10 \mathrm{ea}, 4.25$

TAPESWITCH CHIME ANNUNCIATOR KIT


## －Announces Visitors

－Guards Against Theft
Signals entrance into office，store or shop by ringing chime．Includes concealable mat $38 \times 24 \times 3 / 32^{\prime \prime}$ thick， 2 －note chime，trans former，wire and instructions． 117 VAC Shpg．wh．， 4 lbs．
33 Y 6605

＂Tapeswitch＂－Long．life foot－switch，rated at 100 watts．Uses Controflex in molded flat pad $2^{\prime \prime} \times 5^{\prime \prime} \times 1 / 4^{\text {＂}}$ thick．Complete with 6 ．U．L．Iisted lead．Sealed，weather－proof． Momentary，normally－open contacts．Non－ tiring，user can stand on it，jump on it．Can be taped or cemented to floor．Wt．， 12 oz． 3.3 T 6606

Net ea． 2.45

# AC Motors-Foot Switches 

## HURST HEAVY DUTY HYSTERESIS SYNCHRONOUS MOTORS

Compact heavy-duty synchronous motors for accurate continuous timing applications. Will not overheat during continuous operation nor in a stall position. Gear trains have lifetime lubrication and withstand loads more than 3 times rated capacity. Torque rating are at 1 RPM . Size $21 / 2^{-1}$ dia. $\times 13 / \mathbf{m}^{\omega}$ deep power requirement: 5 watts. 95.130 volts AC. 60 cycles. Operating temp. $-40^{\circ}$ to $+105^{\circ} \mathrm{C}$. Ship. wt., 1 lb .

## 40 INCH OZ-CONTINUOUS DUTY TYPE SM (Fig. A)

Instant start at full torque. Shaft $\mathrm{H}_{0^{-}}$diam. $\times 1$ - long.

| me | output | Met Exch |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| , | Speti | 1.9 | 10-24 | 25-49 | 50.9 |
| 30 T 3801 | 1 RPM |  |  |  |  |
| 3073002 | 4 RPM | 12.28 | 11.05 | 10.50 | 3.5 |
| 3073803 | 6 RPM |  |  |  |  |
| $30 \mathrm{~T} 38 \mathrm{C4}$ | 10 RPM |  | be ass |  |  |
| 30 T 3805 | 30 RPM |  | anti | pris |  |
| 30 T3¢0 | 60 RPM |  |  |  |  |

## POSITIVE CLUTCH-TYPE PCSM

(FIE. 日) POSITIVE CLUTCH SM SERIES. Basic SM motor with positive clutch and instantaneous brake. Starts in 20 millisecondsstops 60 rpm shaft in $12^{\circ}, 1 \mathrm{rpm} 1 / 5^{\circ}$. Shpg. $\mathrm{wt}, 11 / 2 \mathrm{lb}$.

| Stack We. | speed | 1.5 | $\begin{gathered} \text { Net } \\ 10-24 \end{gathered}$ | $\begin{aligned} & \text { Each } \\ & 25-49 \end{aligned}$ | $50.59$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 T 3807 | 1 RPM |  |  |  |  |
| 30 T 3808 | 4 RPM | 17.85 | 18.07 | 15.27 | 14.50 |
| 30 T 3009 | 6 RPM |  |  |  |  |
| 30 T 3810 | 10 RPM | (May be assorted for quantity prices) |  |  |  |
| 30 T 3811 | 30 RPM |  |  |  |  |
| 30 T 3812 | 60 RPM |  |  |  |  |



## 120 INCH-OUNCE

 REVERSIBLE-TYPE DA (FIg. A) Instantly reversible (with SPDT switching); clockwise and counter-clockwise operation. 100 g shock resistance; torque, 120 inchounce at 1 rpm . $212^{-}$dia. $\times 13^{-1}$; shaft $\mathrm{K}_{\mathrm{a}^{-}}$ dia. $\mathrm{E}^{-1} \mathrm{~L}$. Shpg. wt., $11 / 2 \mathrm{Hos}$.| $\begin{aligned} & \text { Stect } \\ & \text { He. } \end{aligned}$ | $\begin{aligned} & \text { Outaret } \\ & \text { Speed } \end{aligned}$ | Net Exach |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 T 313 | 1 RPM |  |  |  |  |
| 30 T 3814 | 4 RPM | $14.60 \quad 13.14 \quad 12.4811 .86$ |  |  |  |
| 30 T 3815 | 6 RPM |  |  |  |  |
| 30 T 3816 | 10 RPM | (May be assorted for quantity prices) |  |  |  |
| 30 T 3817 | 30 RPM |  |  |  |  |
| 30 T 318 | 60 RPM |  |  |  |  |

## POSITIVE CLUTCH-TYPE PCDA

(Fit. 8) POStitive clutch da series. Basic DA motor with positive clutch and instantaneous brake. Starts/Stops in 20 milli-seconds-stops 60 rpm shaft in $12^{\circ} .1 \mathrm{rpm}$ $1 / 5^{\circ}$. Shpg. wt., $11 / 2 \mathrm{lbs}$.

| Stech | - |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| He. | Speed | 1.9 | 10-24 | 5-49 | 50.99 |
| 30 T 3119 | 1 RPM |  |  |  |  |
| 30 T3820 | 4 RPM | $\begin{array}{lllll}20.18 & 18.16 & 17.25 & 16.39\end{array}$ |  |  |  |
| 30 T 3821 | 6 RPM |  |  |  |  |
| 30 T 3822 | 10 RPM | (May be assorted for quantity prices) |  |  |  |
| 30 T 3823 | 30 RPM |  |  |  |  |
| 30 T 382 | R |  |  |  |  |

150 INCH-OUNCE

## TYPE EA (FIG. C)

Low cost, open-frame, shaded pole clock. wise rotation motor. Completely accurate, cool running. Output shaft $\boldsymbol{\gamma}_{0}{ }^{*}$ dia. $\times \mathbf{1}^{=1} \mathrm{~L}$. Size: $3 \mathrm{~h} \mathrm{ox}^{5}+6 \times 1 \mathrm{~m}^{\prime \prime}$. Shpg. wt., $11 / 2 \mathrm{lbs}$.

| Stock He. | Oufput Speed | Nef Exch |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 1.9 | 10-24 | 25-49 | 50.99 |
| $30 \mp 3225$ | 1 |  |  |  |  |
| 30 T3825 | 10 | 9.35 | 8.41 | 7.99 | 7.59 |
| $30 \text { T } 3127$ |  |  |  |  |  |

## GA INSTRUMENT MOTORS

- Reversible
- 600 Inch

Ounces
at 1 RPM
Hysteresis synchronous, reversible continuous duty motor rated 600 inch-ounces at 1 RPM. Heavy duty gearing, can be stalled without overheating. No maintenance lubrication. Capacitors (supplled) 1.25 mfd . Size: $2^{11} \mathrm{~h} 0^{*}$ dia. $\times 2^{2} \mathrm{~K} \mathrm{z}^{\circ}$ shaft $1^{-1} \times 1 / 4^{\circ}$ dia. For $115 \vee 60$ cycle A.C., 10 watts. Shpg. wt., $31 / 2$ lbs.

| Steck | Outipet | Nettach |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| W3. | Speed | 1.8 | 10-24 | 25-49 | 50.74 |
| 30 T 3828 | 1 RPM | 30.50 | 28.98 | 27.46 | 25.94 |
| 30 T 3829 | 4 RPM | 30.50 | 20.98 | 27.46 | 25.94 |
| 30 T3830 | 6 RPM | 30.50 | 21.5 | 27.46 | 25.34 |
| 30 T383t | 10 RPM | 30.50 | 28.98 | 27.46 | 25.94 |
| 30 T 3132 | 30 RPM | 28.65 | 27.22 | 25.79 | 24.36 |
| 30 T3833 | 60 RPM | 26.45 | 25.13 | 23.81 | 22.49 |

## BARBER-COLMAN SHADED-POLE MOTORS

## UNIOIRECTIONAL MOTONS

Shaded-pole AC induction motors for driving cooling lans, appliances, displays, vending machines, pumps, movie projectors. Simple, dependable constructionno brushes, contacts, capacitors. All motors rated for continuous duty when operated at room ambients below $100^{\circ}$ F.: CW rotation viewed facing the drive hub
or shaft. Porous bronze alignable bearings used on all unidirectional motors. 115 volt, 60 cycle field colls with Class A insulation and molded phenolic boobins. Long IIfe lubrication. Mounts with two $\# 10-32$ tapped studs on rear of motor. Table betow indicates full load characteristics. Shpr. wt.. 12/2 lbs.

| Stock Ne. | $\begin{aligned} & \text { Whr's. } \\ & \text { Type } \end{aligned}$ | Torque th. in. | speed | HP | Input Amps | Approximate Dimensions In. | $\begin{array}{r} \mathrm{Ne} \\ 1.9 \end{array}$ | $\begin{aligned} & \mathrm{ach} \\ & 10-24 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 T1601* | AYAA707.118 | . 025 | 1900 | . 0007 | . 13 | $2^{7 / 33} \times 2{ }^{1 / 4 \times 17 / 32}$ | 6.20 | 5.34 |
| 32 I 1602 | DYAB569-110 | . 045 | 2400 | . 0017 | . 15 | 27/4x26/3131/33 | 6.07 | 5.24 |
| 32 T1603 | DYAF761-110 | . 10 | 2800 | . 0045 | 27 | 271/m276x111/x | 5.38 | 5.51 |
| 32 T1604 | KYaF764-110 | . 045 | 2400 | . 0017 | . 15 |  | 8.85 | 7.54 |
| 32 T 1605* | OYA767.118 | 20 | 2900 | . 009 | . 39 | 211/3223/4x211/37 | 17.85 | 14.45 |

Fans listed to the right may be used with above motors for cooling electronic tubes, projection lamps, and in deodorizers, heaters required air delivery against a low static head. Aluminum blades and zinc plated steel hubs. Blows air forward when mounted with hub towards the motor. "Free air delivery measured 12 inches from front of fan. Fan dia.: Type $303=3{ }^{\prime \prime} ; 403=4^{\prime \prime} ; 502-1=5^{\prime \prime}$. Hub dia.: $303=1 / 8^{\prime \prime} ; 403=1 / 8^{\prime \prime} ; 502-1=5 / 32^{*}$. Avg. shpg. wt., 202 .

## LINEMASTER FOOT SWITCHES



Model 8-2.5 "Executive". Two momentary SPDT switches side by side. Interlock pre. vents both circuits from deing operated at same time. Both sides normally off when not in use. 15 amps. 125 VAC . $45 / 4 \times 4 \times 11 / \mathrm{c}^{\prime \prime}$ Shog. wt., 14 oz.
3483608 $\qquad$ Net ea. 7.50 Model T51.S "Treadite". Compact, rugged. SPDT momentary contacts rated 7 amps at $125-250 \mathrm{~V}$. AC \% H.P. at 115 v . AC. Rubber tread and skid-proof base $31 / 2 \times 2$ 泡 $\times 1$ ". 34 T 3601 Wt. 7 oz.

Net ea. 2.75 Model TSI-sc Same with a six ft . cord and two prong series plug. Shpg. wt., 1 lb . 34 T 3602

Net ea. 4.00 Model T.51-SC3-Same as above but with 3 conductor cord and 3 prong krounded series plug. Shpg. wt., 1 1/2 ib.
34 T 3607
Net ea. 5.00


Model 632.5 "Clipper". Momentary contact with SPOT, rated at 20 amps $125-250 \mathrm{v}$. AC. 1 HP 115-230w. AC. Cast iron housing, skidproof base pad, black wrinkle finish. Size $41 / 2 \times 31 / 2 \times 11 / 2^{\prime \prime}$. Shpg. wt., $21 / 4 \mathrm{lbs}$.
34 T 3605 $\qquad$ Net ea. 1.25
Modal 632-D. Same as 632-S but maintains contact until again actuated. 34 T $3606 \mathrm{Wt} .21 / 4 \mathrm{lbs}$. $\qquad$ Net ea. 11.00
Model 491.5 "Compact"-SPOT momentary contacts rated 10 amps 125 v . AC, $1 / 2 \mathrm{HP}$ at 115 v . AC. Steel housing. black wrinkle finish, skid. prnof base. $21 / 0 \times 21 / 2 \times 21 / \mathrm{s}^{\prime \prime}$. wt., 7 oz .
34 T 3603 $\qquad$ Net ea. 3.25
Model 491-SC. Same with six foot cord and two prone plug. Shpg. wt. 7 oz. 34 T 3604 $\qquad$ Net ea. 5.00

| stock We. | $\begin{aligned} & \text { Mr's. } \\ & \text { Type. } \end{aligned}$ | CFW* | $\begin{aligned} & \text { For } \\ & \text { Motor } \end{aligned}$ | Net Each$1.9 \quad 10-24$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 3271611 | AYFA 303 | 75 | AYMA707.110 | 1.05 | 1.78 |
| 32 T 1812 | AYFA 403 | 190 | DYAB569-110 | 2.23 | 2.10 |
| 32 T 1613 | AYFA 502.1 | 1300 | DYAF761-110 | 2.51 | 2.39 |


LAFAYETTE
FOOT SWITCH

# T.V. Wire For Color And B/W - Zip Cord 

## SHIELDED "CONCO-FOAM"

\author{

- All Channel Color TV Cable
}

Assures excellent VHF, UHF, COLOR and B/W T.V. reception in crowded areas where re. ception is critical. Mylar-aluminum shielding provides strong and clean signats, eliminating electrical noise and ghost signals. 22 gauge solid copperweld conductors, foam insulation, mylar-aluminum foil shield, stranded tin copper down wire, black polyethylene outer lacket. Spade terminals in cluded. 3 los. per 100 ft . Onty in lengths listed below.

327318650 ft . coil 32 T 318775 ft . coil
32 T $3188 \quad 100 \mathrm{ft}$. coll
Net 4.19
Net 5.69
Net 7.50

## 300 OHM TWIN LEAD

BROWN. High quality, low-loss lead-in for all TV and FM installations. Polyethylene dielectric-standard copper leads. Per 100 ft . Only in lengths listed below. Wt., 2 los. 32 T 8912100 ft . coil $\qquad$ Net 1.35 32 T $8913 \quad 500 \mathrm{ft}$. coil $\qquad$ Net 6.10 32 T 8914 1,000 ft. coll Net 11.35 CLEAR. Same as above but clear for a better blend with the base boards.
32 I 8915100 ft spool __........Net 1.50 32 T 8916500 ft . spool $\qquad$ Net 6.50 $\begin{array}{llll}32 \text { T } 8917 & 500 \mathrm{ft} \text {. spool } \\ 32 & 1.000 & \mathrm{ft} \text { spool }\end{array}$

## HEAVY DUTY

300 ohm brown twin lead with 80 mil thick polyethylene insulation and 20 gauge copper conductors. Shpe. wt. 2 lbs. per 100 ft . 32 T 6918100 ft . coil $\quad$ Net 1.54 32 T 3645 1,000 ft. coll _net 13.90

## EXTRA HEAVY DUTY

300 ohm brown twin lead with 125 mil thick polyethylene insulation and 18 gauge stranded copper conductors. Shpg. wt., 3 lbs. per 100 ft .
32 T 3605100 ft . coil
Net 3.74


## ROTATOR CABLES

4 CONOUCTOR FLAT. Flexible stranded No. 20 copper encased in tough plastic insula. tion. Shipg. wt., 3 lbs. per $100^{\circ}$ coll 32 T 8910100 ft . coll

Net 3.10 4 COMDUCTOR ROUNO 4 COMDUCTOR ROUNO MEAIY OUTY. BeIden 8489. All 18 gauge stranded flexible conductors, plastic insulated and jacketed. 6 lbs 32 I 1710100 ft coil Net 7.15 5 COMOUCTOR FLit. Shpg. wt., 4 tos. 32 T $3631^{\circ}$ per 100 ft .

Net 3.89
$\qquad$ - COMDUCIOR ROUNO Vinyl insulated, vinyl jacket. In 100 ft . coils only. 32 T 1486100 ft . coil

Net 5.70

## O ANTENNA WIRE

Finest grade high tensile strength copper for all antenna requirements. Avg. shpg. wt., 1 ib . Onily in lengths IIsted below.
$32 \mathrm{~T} 3618 \quad 75 \mathrm{ft} .7 / 22$ bare ......Net 2.16
32 T $3619100 \mathrm{ft} .7 / 22$ bare Net 2.83
32 T 3620 75 ft. 7/24 bare Net 2.83
Net 1.43
32 I 3621100 ft . 7/24 bare Net 1.87 32 T $362275 \mathrm{ft} .7 / 26$ bare Net 1.03 32 I $3623100 \mathrm{ft} .7 / 26$ bare Net 1.29 32 T 3009100 ft 12 solid enamel Net 3.96 32 T 3010100 ft 14 solid enamel Net 2.70 COPPERWELO Steel clad copper for ham antennas, commercial installations, nonstretch hard drawn high conductivity copperweld wire.
$32 \mathrm{~T} 3624 \quad 75 \mathrm{ft} .12$ solid $\qquad$ Net 2.81 32 I 3625100 ft .12 solld $\square$ Net 3.73 32 T $3626 \quad 75$ ft. 14 solid Net 2.27 32 T 3627100 ft .14 solid Net 3.05

# SHIELDED FM MULTIPLEX <br> \& COLOR T.V. TWIN LEAD 


#### Abstract

300 ohm twin lead for color, $8 / \mathrm{w}$ and FM MPX, shielded with tinned copper for outstanding noise-resistant performance. Each conductor insulated with heavy, 20 gauge abrasion-proof black vinyt. Delivers noisefree signal from antenna to set efficiently. Onty in lengths listed below. Shpg. wt., 7 los. per $100^{\circ}$. 32 T 3043100 ft . coll Net 8.50 32 T $3044 \mathrm{wx} 500 . \mathrm{ft}$. spool Net 41.60


## FOAM-TV TWIN LEAD

## - For UHF.VHF and Color TV

A flat $300-\mathrm{hm}$ twin lead with the conductors totally encased in and surrounded by polyethylene foam with an outer black polyethylene jacket. Has high resistance to ultra. violet rays, oil, fumes, moisture, salt air and abrasion. 20 -gauge stranded copper conductors. Available only in lengths listed below. Shpg. wt., $21 / 2 \mathrm{lbs}$. per 100 ft .
32 T 3603 50-ft. Coil ........Net 2.03 32 T $3604 \quad 100$-ft. Coil $\quad . . . \quad$ Net 3.57 $\begin{array}{lll}32 \text { T } 3601 & 500 \cdot f t . \text { Coil } & \text { Net } 15.96 \\ 32 \text { T } 3602 & 1000-\mathrm{ft} \text {. Coil } \ldots \ldots\end{array}$ 32 T 3602 1000-ft. Coil

## UHF-VHF

OPEN LINE
300 OHM. Attenuation averages only 1.9 db over entire UHF band. No. 18 copperweld wire-pure polyethylene separators spaced at $6^{-}$. Spaced only $1 / 2^{\prime \prime}$ between conductors. Shipg. wt., $21 / 2$ los. per $100^{\circ}$. Available only in lengths listed below.
32 T 3610100 ft . coil $\qquad$ Net 3.25 32 T 3611250 ft . coil $\qquad$ Net 7.68 32 T 3612500 ft . spool Net 15.03 450 OHM. Similar to above. 1* spacing be tween conductors
32 T 3613100 ft . coll $\quad$ Net 3.25 32 T 3614250 ft . spool … Net 7.68 32 Y 3615500 ft spool Net 15.08

## FIBERGLASS GUY LINE

- Revolutionizes Ham and TV Antenna Systems Non-Metallic Guy Line


A non-inductive, non-conducting, non-absorting guy line for minimum loss. Provides 1000 pounds tensile strength. Eliminates unwanted radiation losses. Completely isolates the antenna system. Will not rot, shrink. stretch, or sag. Only in lengths listed below. Shpe. Wt. $24 / 2 \mathrm{lbs}$. Per $100^{\circ}$ spool.

## 32 T 4501100 ft

Net 5.00 32 T 4502600 ft .

Net 29.50

## STEEL GUY WIRE

Six strands of No. 20 high tensile strength galvanized steel wire.
33 T 310150 ft . roll. Wt., $11 / 2 \mathrm{lbs}$. .37 3373102100 ft roli. Wt. 2 los. 70 33 T 3103500 ft . roll. Wt., 12 fbs.

## ALUMINUM GUY WIRE

$7-18$ gauge stranded wires. Breaking strength 500 lbs
34 T 4627100 ft . roll. Wt., 2 tbs. $\quad 2.30$
Lots of 5 ea .
2.30

## ALUMINUM GROUND WIRE

33 T 310450 ft . coll. Wt., $11 / 2 \mathrm{lbs} \ldots . .79$ 33 T 3105100 ft . coil. Wt. $21 / 4 \mathrm{lbs} . . . .1 .50$ 33 T 3106500 ft . coll. Wt., 13 dbs .- 6.95

## LIFELINE COPPERWELD TWIN LEAD

- Guaranteed for Lite of Your Antenna Guarantee: If this deluxe 300 ohm line fails to last the life of your antenna we will replace it at no charge. 20 Gauze Copper. weld (steel ctad copper) conductors with finest brown polyethylene insulation. Chemically protected against deterioration. Special "waste free" dispenser package. Shpg. wt., $33 / \mathrm{lbs}$. Per 100 Ht .
32 . 3616100 ft . package $\qquad$ Net 2.30 32 † 36461000 ft . Net 21.95


## TUBULAR UHF.VHF

## $\Longrightarrow$ TWIN LEAD

Very low loss 300 ohm airspaced tubular twin lead, brown polyethylene insulation, copper conductors. Only availabie in 100 ft . coils. Shpg. wt., 3 lbs.
32 r3608 100 ft. coil $\qquad$ Net 2.50

ZIP-CORD MINIATURE


Multi purpose miniature zip cord. 2 conductor, 24 gauge stranded. Extremely flexible for HI-FI installations, auto speakers, fow voltage control, etc. Avallable in white, brown, gray, clear.
Averame shpg. wt., 2 tbs. per 100 ft .

| 32 T 8923 | 25 | 7 |
| :---: | :---: | :---: |
| 32 T 8924 | 25 ft. brown | Net 47 |
| 32 T 8925 | 25 ft. gray | Net 47 |
| 32 T 8926 | 25 ft . clear | Net 47 |
| 32 T 8927 | 50 ft . white | Net 77 |
| 32 78928 | 50 ft . brown | Net 77 |
| 32 T 8929 | 50 ft . gray | Net 77 |
| 32 T 8930 | 50 ft . clear | Net . 77 |
| 32 T 4931 | 100 ft . white | Net 1.22 |
| 32 T 8932 | 100 ft . brown | Net 1.22 |
| 32 T 8933 | 100 ft . gray | Net 1.22 |
| 32 T 8934 | 100 ft . clear | Net 1.22 |

## SPEAKER-LAMP CORD

U.L. listed 2 conductor zipcord for lamps, speaker leads, etc. All No. 18 Gauge except is 16 Gauge. Shpg. wt., 4 tos. per 100 ft . Only in lengths shown below. RUBBER INSULATION POSS


## INDIVIDUALLY SHIELDED ZIP CORD

Two conductors No. $24(7 \times 32)$ individually shielded in spiral wrap. Gray plastic jacket over each conductor. Ideally suited for audio, hifif, stereo and laboratory use. Shpg. wt., 1 10. Der $25^{\circ}$.
32 T $31695^{\circ}$ spool
Net 2.00
32 T 3170 50' sDool
Net 3.17

## Coaxial and Special－Purpose Cable

## RG LOW－LOSS COAXIAL CABLES

Excellent for RF，amateur and citizens band apolications，All branded with standard type numbers and meet requirements of RG cables on qualified products list of U．S．Government．D．D：RG－8／8U，RG－8A／U， RG－11／U，RG－11NU ．405－；RG－58／U，RG－58A／U ．195＂；RG．59／U ．242．

MMF／FT．：RG－8／U 29．5；RG－8NU 30．5；RG－11／U 20．5；RG－11NU 20．5； RG－58／U 28．5；RG－58N U 29．5．RG－59／U 21．Avaliable only in lengths listed below．Average shog．wt．，per 100 ft ．， 12 los．

| RG Type | Imp． Ohms | $\begin{aligned} & 50 \mathrm{Ft} \text {. } \\ & \text { Stock } \mathrm{Mo} . \end{aligned}$ | Met | $100 \text { Ft. Length }$ch Me. |  | $250 \text { FL Lengths }$teck No. |  | $5 \text { Stock } \mathrm{He} \text {. }$ | Met |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| TG． $8, \mathrm{U}$ | 52 | 32 T1708 | 7.35 | 32 T 3031 | 13.75 | 32 T 1709 | 29.10 | 32 T 3032wx |  |
| RG－8A／U | 52 |  |  | 32 T 3015 | 14.50 | 3273647 | 33.00 | 32 F 3020 Wx | 64.50 |
| RG－11／N | 75 |  | － | 3273034 | 11.85 | 32 T 1711 | 27.60 | 32 T 3035 wx | 47.55 |
| RG－11A／U | 75 |  |  | 32 T 3016 | 13.00 |  |  | 32 T 3021wx | 55.15 |
| RG．58／U | 53.5 | 3211712 | 2.85 | 32 T 3036 | 4.95 | 32 T 1713 | 10.70 | 32 T 3037 wx | 18.30 |
| RG－58AJU |  | 32 T 1714 | 3.15 | 32 T 3022 | 5.15 |  |  | 32 T 3023 wx | 21.30 |
| RG－59／U | 73 | 32 T 1715 | 3.25 | 32 T 3039 | 5.75 | 32 T 1716 | 12.90 | 32 T 3040wx | 19.95 |

## LOW LOSS POLYFOAM COAX

These polyfoam coaxial cables have basicaliy the same constryctional and physical specifi－ cations as the standard cables bearing the same RG number．Lower attenuation and capaci tance result in signal strength increases up to $35 \%$ ． 75 ohm cables are for TV and FM use whie 50 ohm cabies are ideal for amateur radio and CB．Available only in lengths listed．

G－11／U 75 ohm coax feeder with non－peat． ing attenuation characteristics．Ideal for distribution lead－in．
32 T 3121100 ft ．coil $\qquad$ Net 15.30 32 T 3122 WX 1000 ft ．spool＿Net 139.13 RG－59／N 72 ohm coax cable for improved FM and TV reception．Minimizes noise，ghosts and color smears．Recommended for color TV．
32 T 3124100 ff ．coil $\qquad$
$\qquad$ Net 8.50 RG $8 / \mathrm{U}$ ． 50 ohm impedance cable with mini． mum signal loss and stray radiation for Increased antenna system efficiency．
32 T 3046100 tt ．coil 32 T 3047 wx 1000 ft spool．＿＿Net 123.75

RG－58／U． 53.5 ohm impedance cable with low loss and increased operation range for use in CB and amateur radio．
32 T 3118100 ft coll $\qquad$ Net 5.60
32 T 3119 Wx 1000 ft spool $\qquad$ Net 54.00

## RUBBER JACKETED SERVICE CORDS

U．L．listed，rubber sheathed service cord．Each stranded copper con－ ductor has color coded rubber insulation，cotton wrapped with tough outer rubber jacket．Ideal for efectronics equipment，household
appliances，garden and power tools．SV for light appliances；$S J$ for medium apoliances and $S$ for heavy duty equipment．Rated 300 volts maximum except $S$ \＆ 14 and $S \# 10$ rated 600 volts．Avallable only in lengths shown below．Average shpg．wt．，per $100 \mathrm{ft}, 6 \mathrm{lbs}$ ．

| $\begin{aligned} & \text { U.L. } \\ & \text { Type } \end{aligned}$ | Sire | Ne． Cond． | 0．D． | Amps | $\begin{array}{r} 25 \mathrm{FL} \\ \text { Stock } \mathrm{Me} . \end{array}$ | Net | 50 Ft． Steck Mm ． | Met | $\begin{array}{r} 100 \\ \text { Stock } \end{array}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SV | 18 | 2 | ． $2500^{-1}$ |  | 32 T 3099 | 1.50 | 32 T 3100 | 2.11 | 32 T 3101 | 5.40 |
| 51 | 16 | 2 | ． 3400 | 7 | 3213102 | 2.40 | 32 T 3103 | 4.35 | 32 T3104 | 8.0 |
| 51 | 18 | 3 | ．345＂ | 5 | 32 T 3105 | 2.71 | 32 T 3106 | 4.88 | 32 T3107 | 9.3 |
| \＄ | 16 | 3 | 375＂ | 7 | 3213108 | 3.52 | 3113109 | 6.75 | 32 T 3110 | 12 |
| 5 | 14 | 3 | ． $5600^{\circ}$ | 15 | 3213111 | 6.45 | 32 T 3112 | 12.30 | 32 T 3113 | 23. |
| S | 10 | 3 | ． $690^{\prime \prime}$ | 25 | 32 T 3114 | 11.55 | 32 T3115 | 21．38 | 32 T 3116 |  |

## STEREO PHONO mmanter PICKUP WIRE

## THERMOPLASTIC Timi HOOK－UP WIRE

Convenient spools of plastic insulated wire Shpg．wt．， $25^{\prime}-1 / 2 \mathrm{lb} . ; 100^{\circ}-3 \mathrm{lb}$ ．

| Steck Mo． | Description | Me |
| :---: | :---: | :---: |
| 32 T 3189 | So | 4 |
| 32 T 3190 | \＄20 Solld－25 tt．Bla |  |
| 32 T 3191 | \＃ 20 Solid－25 ft．B |  |
| 32 T 3192 | \＃20 Solid－25 |  |
| 4 | \＃ 20 Solid－ 100 ft ．Red |  |
| 32 T 3194 | \＃20 Solid－100 ft．Bla | 0 |
| 32 T 3195 | \＃ 20 Solid－100 ft．Blu |  |
| 32 T 3196 | \＃20 Solid－100 |  |
| 32 1319 | －22 Sollid－25 |  |
| 32 T 3194 | \＃22 Solid－25 ft．Bl | ． 40 |
| 32 T 3199 | \＃ 22 Solid－25 tt．Biue | 40 |
| 32 T 8935 | \＃ 22 Solid－25 | 40 |
| 32 T 8936 | \＄22 Solid－100 ft．Red |  |
| 32 T 8937 | \＃ 22 Solid－100 ft．Blac |  |
| 32 T 9338 | \＃ 22 Solid－100 ft．Bl | 98 |
| 37 T | \＃22 Solld－100 |  |
| 40 | \＃ 20 St | ． 50 |
| 32 T 8941 | \＃20 Stranded－25 ft．Black |  |
| 32 T 1942 | \＃ 20 Stranded－25 ft．Blue |  |
| T 8943 |  |  |
| 32 T 8944 | 20 St |  |
| 32 T 8945 | \＃20 Stranded－100 ft．Black | 1.20 |
| 32 T 8946 | \＄20 Stranded－100 tt．Blue | 20 |
| 32 T 8947 | \＃ 20 Stranded－100 ft． |  |
| 32 T 8948 | \＃22 Stranded－25 | 44 |
| 32 T 1949 | \＃22 Stranded－25 tt．Black | 44 |
| 32 T 1951 | \＃22 Stranded－25 ft．Blue | 44 |
| T 8952 | \＃ 22 Stranded－25 ft．Green |  |
| 32 T 895 | \＃22 Stra | 1.00 |
| 954 | \＄22 Stranded－ 100 ft ．Black | 00 |
| 32 T 955 | \＃ 22 Stranded－100 ft．Blue | 00 |
| 11956 | \＃22 Stranded－100 ft．Gree |  |

## BARE NICKEL CHROMIUM WIRE

For electrical heating appliances and devices whose operating temperatures do not exceed $1850^{\circ} \mathrm{F}$ ．Ideal for compact resistance re－ quired of heavy duty rheostats and controis． 1／4 lb．spools．Shpg．wt．， 6 oz.

| Stt He． | SLit | Net | Stut．Mo． | Sizo | 揢地 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 32 T3140 | 14 | 1.67 | 32 「 3147 | 20 | 3.14 |
| 32 T 3141 | 16 | 1.76 | 32 T 3148 | 30 | 3.44 |
| 32 T 3142 | 18 | 1.85 | 32 T 3149 | 32 | 3.78 |
| 32 T 3143 | 20 | 1.95 | 32 T3150 | 34 | 4.59 |
| 32 T 3144 | 22 | 2.13 | 32 T3151 | 36 | 5.45 |
| 32 T 3145 | 24 | 2.45 | 32 T 3152 | 38 | 4．88 |
| 32 「 3146 | 26 | 2.79 | 32 T 3153 | 40 | 10.86 |

## MAGNET WIRE

Finest quality．Available in plain enamel or heavy FORMVAR insulation．


PLATH EMAMELED


| HEAYY FORMVAR IN 1 L8，SPOOLS |  |  |  |
| :---: | :---: | :---: | :---: |
| Stoch Mo． | Bes Size | Feet | Met |
| 32 T 3002 | 14 | 78 | 1.47 |
| 32 T 3083 | 16 | 124 | 1.51 |
| 32 T 3084 | 18 | 198 | 1.55 |
| 32 T 3025 | 20 | 313 | 1.62 |
| 32 T 3086 | 22 | 501 | 1.71 |
| 32 T 3087 | 24 | 798 | 1.82 |
| 32 T 3088 | 26 | 1200 | 1.94 |
| 32 T 3089 | 28 | 1999 | 2.14 |
| 32 T 3090 | 30 | 3200 | 2.40 |
| 32 T 3091 | 32 | 3900 | 2.64 |
| 32 T 3092 | 34 | 7950 | 2.89 |
| 32 T 1093 | 36 | 12，800 | 3.23 |
| 32 T 3094 | 38 | 20，000 | 3.18 |
| 32 T 3095 | 40 | 31，700 | 5.61 |

## INTERCOM WIRE

2－conductor Twisted：Flexible，tinned copper with plastic insulation over each conductor． Shog．wt．， 2 lbs．per 100 ft ．Avaliable only in lengths listed below．
32 T 3052100 ft ．coll $\qquad$ Net 1.09 32 T 3853250 ft ．spool $\qquad$ Net 3 conductor twisted．Same construction as above．Shpg．Wt．， 3 lbs．per 100 ft
32 T 3054100 ft ．coil $\qquad$ Net 1.43
Net 3.10 32 T 3055250 ft．spool $\qquad$ 3 conductor twisted．Same construction as above but with outer plastic jacket overall． Shigg．wt．， 3 lbs．per 100 ft．
32 T 3056100 ft ．coll $\qquad$ Net 3.45
32 T 3058100 ft ．coll
Net 3.45
Net 8.19

# Belden Wire For Microphones-Intercom-P.A. Sound 

## $\square$ 5 <br> SINGLE CONDUCTOR HIGH IMPEDANCE MIKE CABLE

Shielded single conductor cables. No. 25 tinned stranded wire; $3 \times 33$ copper and $4 \times 33$ copper . weld tinned, cellulose yarn braid, polyethylene insulated, tinned copper brain shield, chrome vinyl jacket. Type 8410 has rubber insulation and black rubber jacket. Aveilable only in lengths listed below.

| Beld. | Our | 10 | 15 Ft . Spool |  | 25 FL. Spooi |  | 50 Ft. Spool |  | 100 FT. Sp001 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Wo. | Diam. | 100 | Stock Wo. | Net | Stock Mo. | Met | Stock Mo. | Net | Steck No. | Me |
| 8411 | .144" | 2 tb . | 32 T 1307 | 1.02 | 32 T 1308 | 1.41 | 32 T 1309 | 2.25 | 32 T 1310 | 4.20 |
| 8401 | . $200^{\prime \prime}$ | 3 lb . | 32 T 1311 | 1.26 | 32 T 1312 | 1.65 | 32 T 1313 | 2.91 | 32 T 1314 | 5.35 |
| 8410 | .245* | 4 lb . |  |  | 32 T 1316 | 3.00 | 32 T 1317 | 5.25 | 32 T1318 | 9.75 |

( $\because \cdot: 0$

## 2-CONDUCTOR LOW-IMPEDANCE MINIATURE AND STD. MIKE CABLES

All cables shielded. Miniature types 8420 and 8413 both No. 24 stranded tinned. 8420 has polyethylene insulation and chrome vinyl jacket, 8413 rubber insulation and black rubber jacket. Stranded types: 8422 is 22 stranded tinned, poly insulation and chrome vinyl jacket 8412 No. 20 stranded tinned, pubber insulation and black rubber jacket; 8402 same as 8412 but brown hypalon jacket; 8428 is heavy duty No. 18 stranded tinned, black Neoprene jacket for studio use. Avaitable only in length listed below.

| Beld. No. | Out Diam. | $100^{\prime}$ | 15 Ft. Spo Stoch No. |
| :---: | :---: | :---: | :---: |
| 8420 | 185* | $21 / 10$. | 32 T 1319 |
| 8413 | . $190^{\circ}$ | 21/2 lb. | 32 T 1323 |
| 8422 | .231" | 4 1b. | 32 T 1327 |
| 8412 | .268*' | 5 lb. |  |
| 8402 | .268** | 6 lb . |  |
| 8428 | 295* | $63 / 8 \mathrm{lb}$. |  |


|  | 25 FR. Spool |  | 50 PR . Spool |  | 100 Ft. Spool |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Het | Stock No. | Net | Steck No. | Net | Stock No. | M |
| 1.80 | 32T1320 | 2.67 | 32 T1321 | 4.00 | 32 T 1322 | 7.45 |
| 2.61 | 32 T1324 | 2.95 | 32 T 1325 | 5.50 | 32 T 1326 | 10.15 |
| 1.62 | 32 T1323 | 2.43 | 32 T1329 | 4.50 | 32 T 1330 | 7.85 |
|  | 32 T 1332 | 3.10 | 32 「 1333 | 5.80 | 32 T 1334 | 10.75 |
|  |  |  |  |  | 32 T 1539 | 12.15 |
|  |  |  |  |  | 32 T 1338 | 14. |

## SHIELDED CABLES FOR <br> PA AND INTERCOM <br> 2 CONOUCTOR-TWISTED PAIR-SHIELDED CABLES

All have stranded, tinned copper conductors (except $\Delta$ is solid) with vinyl insulation and tinned copper shield, except * have polyethylene insulation and aluminum-Mylar wrapped shield with stranded tinned ground wire.

All have chrome vinyl jacket except types with have no outer jacket over shield, Availate eniy in lengths listed biow.

| Beld. Ne. | Sauge | 0.0." | $\begin{aligned} & \text { Lbs. } \\ & 100 \mathrm{Ft} \end{aligned}$ | $\begin{aligned} & 100 \mathrm{Ft} . \mathrm{Sp} \\ & \text { steck Mo. } \end{aligned}$ | ool Net | $\begin{aligned} & 250 \text { Ft. Sp } \\ & \text { stock Wo. } \end{aligned}$ | 001 Net | $\begin{aligned} & 500 \mathrm{FR} \text {. Sp } \\ & \text { Steck No. } \end{aligned}$ | ool Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 87394 | 22 | . 160 | 21/2 | 32 I 1351 | 3.15 |  | - | 32 I 1540 | 16.20 |
| 8737 | 22 | .170 | $21 / 2$ | 32 \% 1352 | 4.05 | 32 T1541 | 8.95 | 32 T 1542 | 17.85 |
| 8759 | 20 | . 195 | 3 | 32 T 1353 | 5.05 |  | - | 32 T 1543 | 21.06 |
| 8790 | 18 | . 231 | 4 | 32 T1354 | 6.25 | 32 T 1544 | 13.35 | 32 T 1545 | 26.70 |
| 8780 | 16 | . 266 | 5 | 32 T 1355 | 7.65 |  | - | 32 T 1546 | 34.45 |
| 8761 * | 22 | . 167 | 2 |  |  |  |  | 32 T 1547 | 15.60 |
| $8762{ }^{\text {* }}$ | 20 | . 196 | 3 | 32 T 1357 | 4.60 | 32 T 1548 | 10.00 | 32 T 1549 | 19.90 |
| $8760^{*}$ | 18 | . 222 | 3 |  |  | 32 T 1550 | 12.60 | 32 I 1531 | 24.00 |
| 8758 f | 20 | . 165 | 21/2 | 32 T 1360 | 4.70 |  | - | 32 T 1532 | 19.05 |
| 8789 (1) | 18 | . 205 | 3 |  |  |  |  | 32 T 1553 | 27.90 |
| 8779 | 16 | 225 | 4 |  | - |  | - | 32 T 1554 | 36.00 |

##  <br> 2-CONDUCTOR-TWISTED PAIR-UNSHIELDED

All have tinned stranded copper conductors except * are solid copper. Types with $\uparrow$ have chrome vinyl jacket overall, others without jacket. All conductors have vinyl insulation. Availatie only in lengtims listed below.

| Beld. Me. | Cauge | 0.0." | Lbs. | 100 FL. Spoof Steck No. Net |  | 500 F1. Spool Stock No Net |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8481 | $22^{\circ}$ | . 112 | 1 | 32 \1371 | 1.95 | 32 T 1555 | 6.25 |
| 8482 | 19* | . 130 | $11 / 2$ | 32 T 1303 | 2.45 | 32 T 1556 | 6.00 |
| 8460 | 18 | . 175 | 2 | 32 T 1372 | 3.45 | $32 T 1557$ | 13.35 |
| 8470 | 16 | . 195 | 21/2 |  |  | 32 T1558 | 17.85 |
| $8740 \dagger$ | $22^{*}$ | . 150 | 2 | 32 T 1374 | 2,40 | 3271559 | 8.55 |
| 8461 \| | 18 | . 226 | 3 | 32 T1376 | 4.40 | 32 T 1560 | 17.85 |
| 8471 | 16 | . 256 |  |  | - | 32 T 1561 | 22.30 |

## SHIELDED SOUND-PA-INTERCOM CABLE

BELDEN 8208, 2 conductor No. 18 tinned stranded copper, twisted pair. rubber insulated, braided tinned copper shield, chrome vinyl jacket overall O.D. 255". Shpg. wt., $100^{\circ}, 4 \mathrm{lbs}$. ELLOEN 8735.3 conductor No. 22 tinned stranded copper vinyl insulated, cabled, tinned copper braid shield chrome vinyl lacket overall. 0.D. 199". Shpg. wt., 100', 3 tbs.

Available only in lengths listed below.

| Belden No. | 15 Ft. Spod |  | 50 Ft. Spool |  | 100 FL. Spooi |  | 500 Ft. 5 pool |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8208 |  |  |  |  | 32 T 1380 | 7.90 | 3271562 | 34.80 |
| 8735 | 32 T 1386 | 1.28 | 32 T 1387 | 3.25 | 32 T1388 | 5.70 | 32 T1563 | 24.30 |

## 3-CONDUCTOR CABLES FOR PA AND INTERCOM



All except * 3 conductor stranded, tinned copper with polyethylene insulation, cabled conductors, aluminum-Mylar wrapped shield and chrome vinyl outer jacket. Type 8771 has No, 22 and Types 8770,8772 have No. 20 tinned copper ground wire. Type 8791 simifar but vinyl insulation and tinned copper wrapped shield and no ground wire. Shpg. wt. per $100^{\circ}$ is 2 to 5 lbs. in order of listing. Available ariy in lengths listed below.

| Steck Mo. - | seld. Ho. | Gauge | 0.0. | Length | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 32 T 1564 | 8771 | 22 | . 175 | 250 ft . | 9.85 |
| 32 T 1565 | 8771 | 22 | . 175 | 500 ft . | 19.65 |
| 32 T 1566 | 8772 | 20 | . 200 | 500 ft . | 24.75 |
| 32 T1567 | 8770 | 18 | 236 | 500 ft . | 30.40 |
| $32 \mathrm{~T} 1568^{\circ}$ | 8791 | 18 | . 236 | 100 ft . | 7.65 |
| 32 T1569* | 8791 | 18 | . 236 | 500 ft . | 34.05 |

All are 3 -conductor solid \$19 copper, vinyl Insulated and cabled, 8487 has chrome vinyl outer jacket. 8483 has no jacket. Shpg. wt., $21 / 2 \mathrm{lbs}$, per 100 ft
Stock Me Beld.

| Slock Ne. No. | Gauge 0.0. | Length | Met |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 32 T 1570 | 8487 | 19 | .180 | 500 ft. | 15.40 | $\begin{array}{llllllll}32 & \mathrm{~T} & 1571 & 8483 & 19 & .132 & 100 & \mathrm{ft} . \\ 3.15\end{array}$ | 32 | 7572 | 8483 | 19 | .132 | 500 | ft. |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | 12.45

## SPECIAL INTERCOM AND <br> P.A. CABLES

RELDEN 8734. 3 conductor No. 22 stranded tinned copper with vinyl insulation. 1 con ductor with tinned copper braid shield, 9 unshielded, cabled with overall chrome inyl jacket. O.D. $194^{\prime \prime}$. Shog. Wt., per $100^{\circ}, 3$ lbs. Available anly in iengths listed below.
32 T 1397100 ft. spool …............ Net 5.05 32 T 1573500 ft. spool ............... Net 21.00
EELDEN 8763.3 conductors No. 20 stranded tinned copper with polyethylene insulation. 2 conductors with aluminum-Mylar wrapped shieid, 1 unshielded. Also has No, 20 stranded, tinned copper ground wire. Chrome vinyl facket overall, 0.D. 210'. Shpg. wt., per $100^{\circ}, 31 / 2$ Ibs. Available only in lengths Ifsted below.
32 T 1574500 ft. spool ................ Net 24.30 EELOEN 8732. 4 conductors No. 22 stranded tinned copper with polyethylene insulation. 2 conductors with tinned copper braid shield, 2 unshielded. Chrome vinyl jacket overall. Oval shape 0.0. $188^{\circ} \times .296^{\prime \prime}$. Shpg. wt. $100^{\circ}, 31 / 2 \mathrm{lbs}$. Available only in lengths fisted belew.
32 T 1399100 ft . spool ................ Net 6.55
32 T 1575500 ft. spool
Net 6.55

## SHIELDED PHONO PICKUP CABLE

BELDEN TYPE 8431. Extremely limp and flex. ible. No. 24 stranded (16x36) tinned copper rubber covered, tinned copper braid shield brown cotton braid jacket. Only in lengths listed below. Shpg. wt., 100 ft . 1 ib
32 I 1402 is ft. coil ..........Net each 1.05 32 T 140325 ft . coil …….... Net each 1.38 32 T 1404100 ft . coil ............. Net each 4.38

## BELDEN PHONO PICKUP CABLE

BELOEN 8430, Flexible, stranded twisted pair. Coded red and black. Small diameter. Shpg. wt., 402.
32 Ti 140525 ft
Net .87

# Belden TV，Intercom and P．A．Wire 

## COILED MICROPHONE AND TELEPHONE CORDS <br> BELDEN 8290 SHIELDED PERMOHM 300 OHM COLOR TV LEAD－IN

Have insulated cadmium bronze conductors except－has 5 strands tinned copperweld and 16 strands tinned copper．Microphone cables have black neoprene jacket except has gray vinyi；telephone cables， black vinyl jacket．Type 8499 and 8605 shielded；type 8497， 1 shielded and 2 unshielded conductors，all others unshielded．Tele－ phone cabies have spade terminals and strain relief．Shpg，wt．， $1 / 2 \mathrm{lb}$ ．

| Steck Ne． | $\begin{aligned} & \text { Eelden } \\ & \text { No. } \end{aligned}$ | Cond． | Type | From | 10 | Nel |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 T 1423 | $8415^{\circ}$ | 4 | Mic | 111／2 | $6^{\prime}$ | 1.50 |
| 3271508 | 8497＊ | 3 | Mic | 1112＂ | $6^{\circ}$ | 1.56 |
| 3211509 | 8499 | 1 | Mic | 71／2＂ | $4^{\circ}$ | 1.05 |
| 32 T 1739 | 8605 | ， | Mic | 21／2＂ | 12＇ | 1.47 |
| 32 T 1510 | 8494 | ， | Tel | $10^{\circ}$ | 4120 | 1.80 |
| 32 Y 1511 | 8495 | 3 | Te！ | $10^{\circ}$ | $41 / 2$ | 1.41 |

Solid tinned copper bus－bar wire．Especially for use where high cur－ rent conductor is needed as in power plants，ground wire，switch－ boards and point to point wiring．Made in accordance with govern－ inent specification 00 ．W－343．Comes onily In standard spoois of 100 and 1000 feet．except 8011 available in 100 ft ．spool only．

| Belden |  |  | 100 Ft Spool |  |  | 1000 Ft．Spool |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Ma． | AW6 | 0．0． | Steck Ho ． | 02． | Met | Stock No． | libs． | Net |
| 8025 | 30 | ． 010 | 32 T 1512 | 2 | ． 72 | 32 I 1513 | 1／4 | 3.00 |
| 8024 | 28 | ． 012 | 32 T 1514 | 2 | ． 72 | 32 T 1515 | 1／2 | 3.30 |
| 8023 | 26 | ． 016 | 32 T 1516 | 3 | ． 75 | 32 I 1517 | 1 | 3.55 |
| 8022 | 24 | ． 020 | 3211518 | 3 | ． 71 | 32 T 1519 | 11／4 | 3.96 |
| 8021 | 22 | ． 025 | 3271520 | 5 | ． 78 | 32 T1521 | 2 | 4.65 |
| 8020 | 20 | ． 032 | 32 T 1522 | 6 | ． 93 | 32 T1523 | 31／2 | 6.40 |
| 8019 | 18 | ． 040 | 3211524 | 8 | 1.20 | 32 T1525 | $51 / 2$ | 9.00 |
| 8013 | 16 | ． 050 | 32 T 1526 | 14 | 1.73 | 32 T1527 | 81／2 | 14.50 |
| 8012 | 14 | ． 064 | 32 T 1528 | 24 | 2.55 | 32 「1529 | 13 | 21.45 |
| 8011 | 12 | ． 080 | 32 T 1530 | 40 | 3.85 |  |  |  |

BELDEN TEST PROD WIRE
Extremely fiexible，limp rubber covered hi－voltage lead．No． 18 stranded，tinned，cotton wrap． 8899 for 5000 working volts． 8898 for 10,000 working volts．In red or black．Shpg．wt．， $100 \mathrm{ft} ., 2$ lbs．

| Belden Me． | $10 \mathrm{Ft} .$ <br> Sthe Me． | Net | $\begin{aligned} & 25 \mathrm{Ft} . \\ & \text { sti. } \mathrm{Fs} \text {. } \\ & \hline \end{aligned}$ | Net | $\begin{aligned} & 100 \mathrm{Ft} . \\ & \text { sts. Ms. } \end{aligned}$ | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8899 Red | 32 T 1723 | 81 | 32 T 1725 | 1.23 | 3271727 | 3.50 |
| 8899 日傦 | 32 I 1724 | ． 81 | 32 T1725 | 1.23 | 32 T 1728 | 3.90 |
| 8898 Red | 3271729 | 1.14 | 32 T1731 | 2.10 | 32 T1733 | 5.40 |
| 8898 Blk | 32 T 1730 | 1.14 | 32 T 1732 | 2.10 | 32 T 1734 | 5.40 |

## MINIATURE TEST PROD WIRE

Belden 8890 ．Similar to above，but with No． 24 stranded wire．For 1000 working volts．Available only in 25 and 100 ft ．spools．Available red or black．Shpg．wt．， $100 \mathrm{ft} ., 1 / 2 \mathrm{lb}$ ．
32 I 173525 ft ．Red 32 T 173525 ft ．Black
32 T 1737100 ft ．Red 32 T 1738100 ft ．Black

## VINYL COVERED

MULTIPLE PAIRED CABLE
For balanced line intercom system and telephone wiring．Unshieloed ＊22 solid tinned copper conductors，vinyl insulated．cabled in pairs， chrome vinyl outer jackel．Avallabie only in lengths listed below．


|  |  |  |  | steck | Ne | Sieck | ， |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8740 | 2 | ． 150 | 13／4 | 32 T 1374 | 2.40 | 32 11577 | 4.80 |
| 8741 | 4 | ． 201 | 21／4 | 32 「1578 | 4.05 | 32 T1579 | 8.85 |
| 8742 | 6 | ． 240 | $31 / 2$ | 32 T 1580 | 5.35 | 32 「1581 | 12.00 |
| 8743 | 12 | ． 305 | 43／4 | 32 T1582 | 8.40 | 32 T 1583 | 19.45 |
| 8744 | 18 | ． 354 | 71／2 | 32 T 1584 | 12.00 | －32 T 1585 | 28.15 |
| 8754 | 26 | ． 409 | 11 | 32 T 1506 | 16.80 | 32 T 1597 | 40.50 |
| 8745 | 30 | ． 420 | 12 | 32 T1588 | 20.65 | 32 T 1549 | 47.65 |

VINYL COVERED MULTIPLE UNPAIRED CABLE
All conductors unshielded stranded tinned copper except－include two No． 18 conductors．Each conductor vinyl insulated cabled．Chrome vinyl facket overall．Available only in sizes listed below．

| BeldenNo. C | Conds．0．0．＂ |  | $\begin{aligned} & \text { Lbs. } \\ & 100 \\ & \text { Ft. } \end{aligned}$ | 15 Ft．Speol |  | 25 Ft．Speol |  | 100 Ft．Speel |  | 250 Ft．Speol stik No．Net |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 5 th．Ne． | Net | Sth．No | Net | Sth．Mo． | Net |  |  |
| 8443 | 3 | ． 150 |  | 2 | － | － | 3271424 | 1.21 | 32 T 1452 | 3.10 | 32 T 1590 | 6.10 |
| 8444 | 4 | ． 168 | 21／4 |  | － | 32 T 1425 | 1.41 | 32 T 1453 | 4.15 | 32 T 1591 | ． 50 |
| 8445 | 5 | ． 180 | $21 / 2$ |  |  | 3271426 | 1．c0 | 32 I 1454 | 4.80 | 32 T 1592 | 10.15 |
| 8446＊＊ | 6 | .222 | 4 | 32 「1427 | 1.60 | － | － | 32 T1455 | 7.15 | 32 T 1593 | 1545 |
| 8447＊ | 7 | ． 246 | 5 | － |  | － | － | 32 T 1456 | 7.95 | 32 I 1594 | 17.55 |
| 8448＊＊ | 8 | ． 251 | 5 | 32 T 142 | 1.74 | － | － | 32 I1457 | 4.55 | 32 T 1595 | 19.20 |
| $8449^{\circ}$ | 9 | ． 261 | 5 | 32 T 1429 | 1.51 |  | － | 32 T1458 | 9.25 | 32 T1595 | 21.00 |
| 8456 | 10 | ． 260 | 51／4 |  | － |  | － | 32 T 1498 | 9.40 |  |  |
| 8457 | 12 | ． 260 | 51／2 |  | － |  |  | 3271497 | 10.05 |  |  |
| 8458 | 15 | ． 320 | 8 | － | － | － | － | 32 I 1494 | 17.40 | － |  |
| 8459 | 25 | ． 370 | 111／2 | － | － | － | － | 32 T 1495 | 26.40 | － | － |

－Exceptional Low Loss
Designed for 82 channel color TV reception． 8290 Permohm com－ bines the strong signal strength of twin－line with the clean signal of shielded cable．Shielded to eliminate ignition and other interference caused by line pick－up and weatherproof．Shpg．wt．， 5 lbs．per 100 ft ． Available only in fengths listed below．


## BELDEN 300 OHM TWIN LEAD <br> 350 OHM <br> 

Type 225．Fig．A．for TV and FM antennas．Low loss polyethylene insulation．Stranded No． $20(7 \times 28)$ ．Shpg．wt．， 100 ft .2 lbs. Type 235．Fig B．Low loss 300 ohm line for UHF or VHF TV an－ tennas and for amateur transmitting and recelving－Twin lead rated 1 KW（RF）．Resists oxidation and sun；made with $100 \%$ virgin poly－ ethylene web． 18 gauge（ $7 \times 26$ ）stranded．
Type 8230．Fig A．＂Weldohm＂copper coated steel wire．Polyethy． lene insulation．Almost twice as strong as plain copper．Perfect for long runs．Stranded No． 20 （ $7 \times 28$ ）．Shpg．wt．， 100 ft .2 Ibs．
Type 0205．Fig．C．Encapsulated in fow loss celfular poiyethylene． Delivers a strong signal on all channels VHF or UHF．A must for color TV． 2 Conductor $\$ 22(7 \times 30)$ stranded copper weld conduc． tors．Shpg．wt．， 4 lbs，per 100 ft ．
Type 275．Fig．O．UHF－VHF lead，ideal for color and black and white TV． $7 \times 28$ copper weld conductors，polyethylene jacket with inert gas filled unicellular polyethylene core．ShDg．wt．， 4 lbs．per 100 ft ．

| Betd． No． | 50 Ft．Coil Stock No．Met | 75 Ft ．Coil Steck No．Net | 100 Ft ．Coil Steck Mo．Net | $\begin{aligned} & 250 \text { Ft. } \\ & \text { stock Mo. } \end{aligned}$ | $\begin{array}{ll} \text { Net } \\ \text { Net } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 8235 |  |  | 32 1 14105.35 |  |  |
| 8225 | 32 T 14051.20 | 32 1 14071.56 | 32114001.97 | 32 1 1590 | 4.85 |
| 8230 | 32 T 14121.34 | 32 T 14131.77 | 32 T 14142.22 | 32 T1599 | 5.50 |
| 8285 | 32 T 14162.85 | 32 †1417 3.85 | 32 Y 14184.90 | 32 T 1707 | 11.65 |
| 8275 | 32 T 15042.70 | 32 「 15053.20 | 32 T 1506 g．65 | 32 T 1702 | 11.05 |

## COMMUNITY TV CABLE

BELDEN E221． 75 ohm community TV tap off lead－in cable． 22 gauge copperweld， foam RG－59／U type with weather resistant black jacket．O．D．is ． $242^{\prime \prime}$ ．Shpg．wt．， 4 lbs． per 100 ft ．
32 T 1703100 ft ．length
Net 6.30
32 T 1704500 ft ．length
Net 21.30

## UNSHIELDED 2 CONDUCTOR TWISTED PAIR SPEAKER AND INTERCOM CABLE

BELOEM 2205． 2 conductor No． 20 stranded tinned copper，vinyl insulated，cabied with overall crome vinyi jacket，0．0．190＇Shpg． $\mathbf{w L}, 100^{\circ}, 2$ lbs．Lengths available only in sizes listed melow．
32 T 1420100 ft spool
Net 3.10
32 T 1705500 ft．spool
Net 11.40


AELOEM 8866 CRT cables with No． 18 stranded tinned copper polyethylene Insula． tion．Reduces corona．Long life construc－ tion．Vinyl jacket．O．D．208．Working volt－ age $40 K V$ ．Only in lengths Nsted below． Shpg．wt． 3 tbs． 100 ft ． 32 T1706 $25 \mathrm{ft}^{2}$ spool …．．．．．．．Net 1.95

## BELDEN 8817 LITZ WIRE

Copper Celenamel insulated nylon wrap． $5 \times 44$ stranded O．D．． $008^{\prime \prime}$ ．For rewinding RF coils， antenna primaries，efc． $100^{\circ}$ spoot．Shpg． wt．， 402.
32 T 1485100 ft ．spool
Net 71


Fig．A．Brown glazed porcelain．Shpg．Wt．， 2 oz． 32 T 3008 Singly 08 Fig．8．Johnson 136－32．11／2＂Long．Ory glazed porcelain．Shpg． ${ }_{33}+{ }_{3} \dagger 2245$

Net ea．． 16

## E．F．JOHNSON INSULATORS

Q．
 A．.

TMRU PANEL INSULATORS．Compression mounted by means of a stud．Flat mounting surfaces with cushion washer．Hardware： ＂ $10.32,+1 / 4 *-20, \$ 6-32$ ．First 3 types are steatite，others porcelain． Average shpg．wt．， 10 oz．

| Stock No． | Mfrs．Type 135. | Fig． | $\begin{aligned} & \text { Top } \\ & \text { Ht. } \end{aligned}$ | PNL Nole | $1-49$ | $\begin{array}{r} \text { Each } \\ 50.99 \end{array}$ | $\begin{aligned} & 100 . \\ & 499 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 3313201 | 40 | $A^{\text {a }}$ | 11／4＂ | Kı＂ | 48 | ． 44 | ． 40 |
| 33 T 3203 | 42 | $A^{*}$ | $7 /{ }^{\prime \prime}$ | 13，＂ | ． 44 | .41 | ． 37 |
| 3313205 | 44 | A | 5／8＂ | K0＂ | ． 33 | ． 30 | ．24 |
|  | 45 | $8^{\circ}$ | $13{ }^{\prime \prime}$ | $1 / 2$＂ | ． 64 | 59 | ． 54 |
| $\begin{aligned} & 33 \mathrm{~T} 3206 \\ & 33 \mathrm{~T} 3209 \end{aligned}$ | 47 | A＊ | $41 / 2^{\prime \prime}$ | 1／20＂ | 2.50 | 2.30 | 2.10 |
| 33 T 3210 | 48 | $8{ }^{*}$ | $2^{\prime \prime}$ | ＇46＂ | 1.00 | ． 92 | ． 64 |

STANO OFF INSULATORS．TYpe 65，65－2， 68 are ribbed and have drain and etched aluminum bases．Type 66 and 67 have smooth surfaces and drawn bases $\dagger$－hardware－banana jack and a solder lug mounted on top of the insulator－similar to fg ．E，but with square base．Avg．wt．， 1 lb．

| Stock No． | Mfrs．Type 135. | Fig． | sody Ht． | Nard． ware | Net Each |  | $\begin{aligned} & 100- \\ & 499 \\ & \hline \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 1.49 | 50．99 |  |
| 3313217 | 20 | C | 1\％＂ | 10－32 | ． 36 | ． 33 | ． 30 |
| 33 T 3218 | 20－2 | 0 | 1\％＂ | 1 | ． 40 | ． 37 | ． 34 |
| 33 「3219 | 22 | C | $1{ }^{\prime \prime}$ | 8 －32 | ． 22 | ． 20 | ． 19 |
| 33 T 3220 | 22－2 | 0 | 1 ＂ | $\dagger$ | ． 30 | ． 28 | ． 25 |
| 33 「 3221 | 24 | C | 5＊＊ | 6－32 | ． 18 | ． 17 | ． 15 |
| PORCELAIN |  |  |  |  |  |  |  |
| 3313222 | 60 | E | 41／2＂ | 1／4．20 | 1.20 | 1.10 | 1.01 |
| 3313223 | 62 | E＊ | 23／4＂ | 1／2．20 | ． 68 | ． 63 | ． 57 |
| 13 T 3224 | 65 | E | 176＂ | 10－32 | ． 35 | ． 12 | ． 30 |
| 33 T 3225 | 65.2 | E | 13／8＂ | $\dagger$ | ． 40 | ． 37 | ． 34 |
| 33 T 3226 | 66 | $F$ | 23／4＂ | 1／4－20 | ． 85 | ． 78 | ． 71 |
| 33 T 3228 | 67 | $F$ | 42／2＂ | 1／4．20 | 1.20 | 1.12 | 1.01 |
| 33 T 3229 | 68 | E | 2＂ | 10.32 | ． 56 | ． 52 | 47 |



## UNIVERSAL

3 WAY
ANTENNA SYSTEM 459

## －Makes Any Of 3

Marconi And Doublet Systems
Uniquely designed set of parts for construction of any of 3 types of short and long wave antennas．All parts supplied for either：a doublet，double doublet，or Inverted L antenna system．Contains 100 ft ．bare aerial wire， 50 ft ．Iwisted Insulated transmission line， 4 insulators， 2 screw eyes，doublet lightning arrestor，window lead－ In strip，ground clamp and complete instructions．Shpg．wt．， 4 los． 32 T 3185

Net 4.59

Ideal for small crystal，diode and transistor broadcast and short－ wave sets． $50 \mathrm{ft} 7 \times 26$ bare copper aerial wire， 25 ft ，rubber cov－ ered lead－in wire， $10-\mathrm{in}$ ．window lead－in strip， 2 antenna and 2 stand－off insulators．Simple printed instructions．Shpg．wt．， 2 lbs． 32 T 3098

# HD HOOKUP WIRE ASSORTMENTS <br> Various colors，gauges and insulation． KIT OF SIX 25－FOOT COLLS <br> Convenient kit of six $25^{\circ}$ coils． <br> Shpg．Wt．， 1 lb ． <br> 32 I 7900 <br> Net per kit ． 90 <br> KIT OF FIVE 100－F00T COILS <br> 32 r 7901 <br> Net per kit 2.39 <br> <br> LEAD IN BUSHINGS AND INSULATORS 

 <br> <br> LEAD IN BUSHINGS AND INSULATORS}


Insulated bushings ideal for use in transmitter and antenna installa tions．Type 50.52 ，and 55 are steatite．supplied with cushion wash． ers and hardware．Type 54 is porcelain less all hardware except cushion washer．Maximum diameter；Type $50 \mathrm{y} / 4^{\circ "}$ ，Type $5211 / 4^{\prime \prime}$ Type $543 \frac{1}{2} 2^{\prime \prime}$ ．and Type $553 / 4^{\prime \prime}$ ．Aug．shpg．wt．， 8 oz．

| Mfrs．Type |  |  | TOD HL． | PNL <br> Hole | Net Each |  | $\begin{array}{r} 100 \\ 499 \\ \hline \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Stock No． | 135. | Fig． |  |  | 1－49 | 50.99 |  |
| 33 T 3231 | 50 | M | $1 / 2^{\prime \prime}$ | 13／87＂ | ． 42 | ． 39 | ． 34 |
| 33 T 3233 | 52 | M | $11 /{ }^{\prime \prime}$ | 11／32 | ． 89 | ． 82 | ． 75 |
| 33 T 3235 | 54 | j | 4＂ | 216＂ | 1.30 | 1.19 | 1.10 |
| 33 「 3236 | 55 | 1 | $1 / 4^{\prime \prime}$ | 15／3： | ． 33 | ． 30 | ． 28 |

Fig．N．ANTENN STRAIN INSULATORS．Porcelain，heavily glazed， nickel－plated brass hardware．Type 107 and 112 are 1＂diameter； type 104 is＂／a＂square with 400 lbs ．breaking strength．

| Stock No． | Mirs．Trpe 136. | Size | Shag． Wt． | $1.49$ | $\begin{aligned} & \text { t Each } \\ & 50.99 \end{aligned}$ | $\begin{aligned} & 100 \\ & 499 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 T 3237 | 104 |  | 402. | ． 30 | 28 | 26 |
| 33 T 3238 | 107 | 7x1＂sa． | 10 oz ． | 1.35 | 1.19 | 1.13 |
| 33 Y 3239 | 112 | $12 \times 1$＂dia． | $11 / 4 \mathrm{tb}$ ． | 1.95 | 1.79 | 1.64 |

Fig．D．STEATITE CONE INSULATORS．Complete with 2 machine screws，washers，and a cork cushion washer．Avg．shpg．wt．， 2 oz．

| Stock No． | Mfrs．Tyoe 135. | Ht． | Width | $\begin{aligned} & \text { Net E } \\ & 1.49 \end{aligned}$ | $\begin{aligned} & \text { ch } \\ & 50.99 \end{aligned}$ | $\begin{array}{r} 100 \\ 499 \\ \hline \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 3313212 | 500 | $5{ }^{\text {c／}}$ | 5／8＂ | .23 | ． 21 | ． 19 |
| 33 T 3213 | 501 | 1＂ | $3 / 4 "$ | ． 34 | ． 31 | ． 29 |
| 33 T 3214 | 502 | $122^{\prime \prime}$ | $1 "$ | ． 54 | ． 50 | 46 |


| Stock No． | Mirs．Type | Length | 1.49 | Net Each | 100 |
| :--- | :---: | :---: | :---: | :---: | :---: |
| $33 T$ | 3240.99 | 499 |  |  |  |
| $33 T 3241$ | $136-122$ | $2^{\prime \prime}$ | .18 | .17 | .15 |
| $33 T 3242$ | $136-124$ | $4^{\prime \prime}$ | .28 | .26 | - |

# LAFAYETTE TV TIMER CONTROL <br> - Simple to UseJust Plug In <br> - 500 Watt Capacity with 15 ' Cord <br> ONLY 395 <br>  

Automatic Timers and Circuit Breakers

Now you can fall asleep while TV is still on! No need to wake Up and turn it off... the new TV Timer Control turns off your TV set automatically. Simply plug the $\mathbf{T V}$ into the Timer control, and the Timer Control into the wall outtet. Then turn the dial to choose the automatic "turn-off" time.
from 5 minites to one hour. The 500 -watt capacity makes it ideal for use with most other household appllances-radio, hi-fl, tape recorder. Iamp, patio light, electric blanket. heating pad. hair dryer, etc. With $15^{\circ}$ cord. imported. Shipg. wi., 1/2 Ib.

## 9978079



A 3-way combination for every home-an automatic time switch, extension cord, convenient outlet. Timing range up to 4 hou's. Easy to operate-plug it into any wall outlet, connect one, two or three devices to be controlled, and turn the knob to the time period de. sired. At the end of time period, the electricity is turned off automatically. 6 -foot cord. 10 amp . capacity. Shpg. wt., 1 lb. 13 T 901

Het 5.95

## SWISS POCKET TIMER

- Set It and Forget It
- Buzzes at Any Pre Set Time up to 120 Minutes

Avoid parking tickets, late appointments, etc. Also use as a timer on phone calls, cookine. photography, etc. The 120 -minute dial'is inarked in 5 minute intervals. To operate, just set the dial to the time wanted and the buzzer will sound off when the pre-selected time has elapsed. With handy key chain. Shpg. Wt. 1/4 b. 13 T 3111 L

Net 4.50

## INTERMATIC TIMING MOTOR

Self-starting synchronous motor with lifetime lubrication. Geared to 4 cloctiwise revalutions per hour. Will retain constamt speed even under line voltage variations of $25 \%$. Torque load 5 oz m . maximum. Shaft Y"Lxy" dia. For $110-120$ volt 60 cycle AC. Shpg. wt., 9 ar.
13 T 2724 Intermatic W-160
Net 2.99

## MALLORY RESET CIRCUIT BREAKERS

- Just Reset - Not A FuseA True Circuit Breaker


## Exact replacement circuit breakers

 for television and industrial appli. cations. Button must be pressed to reset. Tripping mechanism is temperature compensating for constant protection. Normal tripping time is 10 seconds or less. Al values above 3.1 amps have special heavy-duty contacts to withstand heavy surge currents. Iwist tab mounting lugs. Adapter for bushing mount listed below.

## PARAGON TI-MITE TIMER

- Protect Your Home With Automatic Lighting
Give your home a "lived-in" look. Tupns lights ON at selected time and OFF 5 hours later to give your home the appearance of occupancy. Repeats cycle every 24 hours. Plugs directly into standard AC outlet. Easy to set, controls up to 300 -watts. Grey and

13 T 1756 Shpg. wt., 1 lb.
Net 5.95


## - parac d ${ }^{\circ}$ COMBINATION PHOTOCONTROL AND AUTOMATIC TIMER

- Photocell Turns Lights on at Dusk
- Timer Lets You Select Off Time
- Turns Appliances On and Off Without Use of Photocell Model PRT 17-0. Combination Photoelectric and automatic timing mechanism with easy-to-read dial. Built in photocell turns on lights; timer will turn them off at a pre-selected time. Features Random-off button for staggered "off" pattern up to a half hour earlier or
 later than the lime set on the dial. Skip a preset schedule or refurn to it with the flick of a knob-no need to reset the dial. A disc is provided to cover the photocell so the timer may be used to turn appliances on and off at a pre-set time. Capacity 840 watts. Overall size: $47 \% \times 4 \% \times 274^{\prime \prime}$ 13 T 1755 Shpg. wt., 12 lbs.

Net 16.95

## - PARAEDN ${ }^{\circ}$ TIMITE* MINIATURE 24-HOUR FOR HANDY MOUNTING

MODEL 101 compact time control ideal for window displays, night lights, yard lights, etc. Provides one on-off operation per day with minimum setting of two hours. Has manual trip lever. 24 -hour dial is divided into 30 minute segments for easy, accurate setting. Fits over a U.S. standard single gang handy
 amp. nom ind., $1800 \mathrm{~W}, 1 \mathrm{HP} .12 \mathrm{amps}$., full load. For 120 v., 60 cycles. UL and CSA Listed. 13 T 1751 shpg. wt., $11 / 2$ lbs. ..........Net 1.93


## FLUSH MOUNTED INTERVAL TIMERS

- Fits Single Standard Outlet Box

Ihis manually pre-set silent synchronous motor driven interval timer can be used for attic and exhaust fans. yard Hights. and other applications. Flush-mounted, fits U.S. single standard oullet box. ivory molded wall plate, gold finished dial plate with black numerals, gold knob. 41/2x
 $23 / x^{\prime 3} x_{0}^{\prime \prime}$. Shpg. wt.e $1 / 4$ ibs.

| Stuch Mo. | +1 | linge |  | Mer |
| :---: | :---: | :---: | :---: | :---: |
| 13 T 1752 | Fh51 | 0-20 | Hour | 8.35 |
| 13 T 1753 | FF15 | 0.15 | Minute | 0.95 |
| 1371754 | FF51 | 0-60 | Minute | 8.55 |

## MINI BREAKER

 As LOW As

- Ul Listed Not A FuseA True Circuit Breaker - Don't Replace-Just Reset complete circuit protection-fits in standard edison base fuse receptacle! Trips instantiy on overtoad. Never needs replacing-just reset! Shpg. wt., 2 oz.

| Stack Ne. | Amps | Net Each |
| :---: | :---: | :---: |
| 12 T 7001 | 5 | 1.39 |
| 12 T 7002 | 10 | 1.29 |
| 12 T 7003 | 15 | 1.29 |
| 12 T 7004 | 20 | 1.29 |
| 12 T7005 | 30 | 1.25 |

## Sutermatice Time Controls-Clock Timers

# MODEL A911-6 TIME-ALL 

Makes practically everything electrical com. pletely automatic. Will handle loads up to 1875 watts. Turns radio on and off-does not have to be reset each night. Defrosts refrigerator-turns lights on and off-controls roaster, electric blanket, washing machine, coffee makers, vaporizers, etc. 30 min . minimum on time- -23 hours maximum. Can be set for skip-a-day operation. As easy to set as an electric clock. Stands on any surface -can be hung on wall. Easy-toread 24 hour "day and night" dial. Operates day after day without attention. Special alloy "T." Can be controlled manually without automatic reset. Plug-in receptacie for equipment to be controlled. U/L Listed. For 110 volt 60 Hz AC only. Complete with 6 Ht . cord and plug. Instructions included. $5 \times 4 \times$ $2^{12 / 2}{ }^{2}$. Shpg. wt., 2 ths.
13 T 2730
Net 9.71
mODEL A921.7. TIME.ALL. Similar to above except has capacity of 875 watts. Shpg. wt., 2 lbs. 13 T 2731

Net 8.96

A-401-4

## MODEL A401-4 CLOCK TIMER

Not only tells time, but turns appliances both on and off automatically for periods of 15 minutes to $51 / 2$ hours. Cooks dinner while you're away, wakes you to music, controls electric fans, heaters, radios, TV sets, etc. No installation problem-just plug it in and set. Capacity 1875 watts. Special alloy "T." Plaskon case $43 / 4 \mathrm{~W} \times 41 / 2 \mathrm{H} \times 24 / 4 \mathrm{D}$. 6 ft . cord. For $110 \mathrm{~V} 60 \mathrm{~Hz} A C$, U/L Listed. Shpg. wt., 3 lbs .
13 T 2717
Net 0.96

## TYPE C-8301-S CYCLER TIMER

Up to 12 sets of ON-OFF trippers provide repeated operations. ON operations may range from 10 sec . 1011 min ., 10 sec ,; OFF from 50 sec . to 11 min ., 50 sec . Dial makes com. plete revolution every 12 minutes. Ideal for ventilating fans, pumps, process timings. etc. SPST, rated at 15 amp . For $110-125 \mathrm{v} .60$ Hz AC. U/L Listed. Case $61 / 2 \times 5 \times 3^{\prime \prime}$ with 2 comb knockouts on bottom. Shpg. wt., $21 / 2$ lbs.
13 T 2718 Net 11.02 EXTRA SET ON-OFF TRIPPERS FOR C-8301-S 13 T 2719 Shpg. wt., 2 oz. Net 47


## PROGRAM TIMERS 1.96 OPERATIONS EVERY 24 HOURS

TVPE T-1905. Designed for applications requining many ON-OFF operations in 15 . minute increments. Can be set for as many as 48 ON and 48 OFF operations of 15 -minute duration during any 24 -mour period. Minimum "ON" or "OFF" period is 15 minutes; maximum is 23 hours 45 minutes. Ideal for control of heating, air-conditioning, ventilating. etc. Has SPDT switch. Contacts rated to handie 20 amps at 125 volts. For $105-125 \mathrm{~V}$; 60 Hz AC. U/L Listed. $73 / 4 \times 5 \times 3^{3}$. Shpg. Wt., 4 lbs.
13 T 2713
Net 20.12
TYPE T1975, Same as T1905 above, but has "Skipper" feature for omitting operations on selected days. Shpg. wt., 4 lbs.
13 T 2736
Net ea. 23.37
TYPE P1971, Portable Plug-in version of Type 1975. Contacts rated 10 amps at 125 volts60 Hz AC. Shpg. wt., 6 lbs.
13 T 2714


## TYPE T101 TIME SWITCH

Turns equipment "on" and "off" once in 24 hours, or from 1-12 "on" and "off" opera tions a day can be obtained by use of extra trippers can be added without removing dial. Min. on or off time 1 hr ., max, 23 hours. Can be furned on or off manually with reset SPST switch rated at 40 amps. 4375 watt capacity. Mounting holes and knockouts. Gray steel case. UL Listed. Operates on 110 volt 60 Hz AC. $77 / 4 \mathrm{Lx} 5 \mathrm{Wx} 3^{\circ} \mathrm{D}$. Shpg, wt., 4 lbs . 13 T 2702

Net 9.07
TVPE P101. Similar to T101 except but with 6 ft , cord set and receptacle. Capacity 1250 watts. Shpg, wt., 4 tbs.
13 T 2703
Net 10.37
TYPE P101-300. Same as P101 but with 3 wire cord set and receptacle. Recommended for Air Conditioners.
13 T 2723
Netea. 11.02

## 7 DAY PROGRAM TIMER

Provides a different program each day of the week, with up to 4 on-off operations per day. 3 -hour minimum between operations. 4PST rated 20 amps. per pole. 110 . $125 v 60 \mathrm{Mz} \mathrm{AC}$. Steel case, $10 \% / 47 \% \times 35 / \mathrm{m}^{4}$. Grey finish. $12^{2}-y_{4}{ }^{n}$ knockouts. 7 sets of trippers. U/L Listed. Shpg. wt., $61 / 4 \mathrm{lbs}$. 13 T 2733 Type V26001 .......... Net ea. 21.09 TYPE V26003. As above, but 4P: $2 N O-2 N C$. Rated 40 amps, per pole.
13 T 2734
Net ea. 21.09 Set ON-OFF (1 ea.) trippers for elther above. 13 T 2735


## LAFAYETTE Techni-Timer

- Makes Any Appliance Completely Automatic
- No Special Wiring-Just Plug In
- Handles Loads Up To 1875 Watts
- Turns Lights And Appliances On and Off
- Can Be Set To Skip-A-Day


## - 1 Year Guarantee

The Lafayette Techni. Timer makes practically everything electrical automatic. Turns radios on and off. Does not have to be reset each night. Defrosts refrigerator, controls roaster. electric blanket, fans, coffee-makers, phonographs, etc. Turns your home lights on and off automatically while you're away. Repeats cycle every 24 hours-no need to reset. Min. imum $O N$ time 15 minutes, maximum $O N$ time, 23 -hours. Minimum OFF time 1 -hour. max. OFF time, 23 -hours 45 minutes. Easyto read- 24 -hour dial. Can be set to skip-a-
day operation and, controlled manually without automatic reset. Attractive design. For shelf, table or wall mounting. With 6 ft . cord. plug and receptacle for equipment to be controlled. Highest quality-we will repair any defect due to material or workmanship within 1 year without charge. Simply ship timer to Lafayette prepaid. $5 \mathrm{~W} \times 4 \mathrm{H} \times 22^{2 \prime} \mathrm{D}$. For 110 V 60 Hz AC. Shpg. wt., 2 lbs. UL/CSA listed.
13 T 0140

## ONLY

95

## 5-HOUR "RINGER TIMER"

- Portable "Alarm Type" Timer
- Rings From 1 Minute to 5 Hours


An indispensable aid for your everyday timing needs-cooking. photography. phone calls, etc. Loud long.ringing bell signals the end of the preset time period. Has an easy-to-read, crystal covered black dial with bold white numerals, gold hour dividers, and a red dial window to show the hours from 1 to 5 . Housed in an attractively styled high-impact white plastic case. From England. Shpg. wt., 1 lb. 13 T 1350

## Qramatic <br> Portable Interval Timer Only <br> - Control Operating Time

 of Household Appliances- Time Range: 0.60 Minutes
- Minimum Setting: 1 Minute
 MOOEL PT-301 Easy-to-use-just plug timer into outlet, connect appliance and set the large easy-to-read dial to the desired operatIng time. Appliance begins operation Immediately and stops at pre-set time. White case with walnut trim. For 120 volts 60 Hz . AC only, 1875 watts max. UL listed. Size: $5 W \times 4 H \times 3^{\prime \prime} \mathrm{D}$. 13 T 2753 Shpg. wi., 2 los.

Net 7.95 MOOEL PT-304 Similar to above but $0-24$ hours. Minimum setting $1 / 2$ hour. 13 T 2754 Shpg. wt., 2 lds.

Net 7.95

## RHODES MARK-TIME SWITCHES

## (a) <br> APPLIANCE MINOER

Add new space to the new or remodeled whtchen . . . more time for the harried housewife. Simply plug in the coffee-maker, rotisserie, electric frying pan, etc. . $i$ set the timer up to 12 hours ahead. . . iet the appliance minder do the rest. Easliy installed in a 4-gang wall box-or surface mounted. Contains two timed outlets (one turns "on." the other turns "off") and two regular outlets. Allows advance planning of meals-go out and return home hours tater to a cooked meal. Rated at 15 amps -125 volts AC. UL listed. Shpg. wt., $11 / 2 \mathrm{lbs}$.
13 T 8511

## - N...

 Net 11.21
## (B) FOR WALL BOX INSTALLATION

A dependable and versatile time switch to automatically turn off attic fans. porch and garage lights, window lights, heating units, efc. at any preset time. Has special HOLD feature: turn of knob cuts out timing mechanism and allows unlt to be used as a regular toggle switch. Capacity $20 \mathrm{amps}, 125$ volts AC. Satin-chrome dial $41 / 2 \mathrm{H} \times 3^{2} W_{\text {; }}$ switch $21 / 2 \mathrm{H} \times 11 / 4 \mathrm{~W} \times 11 / 4 \mathrm{D}^{*}$. Fits any standard rectangular wall box. Shipg. wt. 1 lb . MODEL 90024 -time range up to 1 hour 13 T 8502 Net 5.63 MODEL 90015-to 12 hours. Shpg. Wt. 1 lb . 13 T 8503

## C) PHOTOGRAPHIC TIME SWITCH

It's easy to control accurate timing on photo. graphic developers, enlargers, and photo copy equipment by plugging them into the convenience outlet on this inexpensive unit. Adjustable stop makes repeated settingseven in total darkness-easy and foolproof. Times up to 60 seconds, then automatically shuts off current. May also be used as "onoff" switch when timing is unnecessary. Rated 10 amps- 125 volts-A.C. UL and CSA listed. Shpg. wt. 1 lb.
13 T 8504 Model 78174 $\qquad$ Net 7.46

## (D) BUILTIN INOUSTRIAL TIME SWITCH

Easily panel mounted or installed in a 4" octagon switch box using the adapter plate. May be used in conjunction with thermostats to time control zone heated areas. Versatile SPDT construction permits switch to be wired for either "on" or "off" type operation. Rated at 20 amps . $125 \mathrm{~V} / 240 \mathrm{~V}$ AC. UR and CSA listed. 1 lb .
13 T 850715 min . $\qquad$ Net 6.38 13 T 850830 min . Net 6.38 13 T 851060 min . Net 6.38 ADAPTER FOR $4^{*}$ Octagon Switch Box 13 T 8509

Net .38

## (E) 2-SPEEO PRECISION TIMER

- For Precise 1 Second To 1 Hour Timing In The Home, Office and Laboratory
Indispensable for timing precise, short operations such as boiling eggs, pressure cook. ing, heat and sun tamp treatment, home permanents, photo developing and printing, long distance calls, etc. Times up to 6 minutes in seconds and up to 1 hour in minutes. Exclusive 2 -speed feature permits instant timing speed change by flick of a lever. A bell sounds at end of timing period. Smartly styled in white with dial face a rich copper tone. $4 \times 21 / 2^{\prime \prime}$. Shpg. wt., $11 / 2 \mathrm{lbs}$. 13 T 8505 Model 2130
wh. 112 los.
Net 5.21
(f) UTILITY HOUSEHOLD TIMER

This reliable, low-priced timer in a neat durable white plastic case has innumerable household timing uses, i.e., cooking, baking. nome permanents, games, remembering appointments, IV and radio programs, etc. Times any interval up to one hour accurately and gives resonant bell signal at end of period. $31 / 2 \times 3 \times 11 / 2^{\prime \prime}$. Shipg. wt., $3 / 4 \mathrm{lb}$



# Littelfuse Safety Devices 

## TYPE 3AG STANDARD FUSES

Series 312000 . Quick acting for low time lag applications such as amplifiers-auto radios. U.L. listed $11 / 44^{4} 1 / 4^{\prime \prime}$ diam. All rated 250 volt except 8 amp is 125 V .5 fuses per phg. Shpg. wt., 602

| Stock No. Amps | $\begin{aligned} & \text { Per } \\ & \text { Petg } \end{aligned}$ | $\begin{aligned} & 0 \text { \& up } \\ & \text { er PKF } \\ & \hline \end{aligned}$ | Stock No. | Amps |  | $\begin{aligned} & \text { tup } \\ & \text { r Pkg. } \\ & \hline \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 13 T 1001 1/100 | 207 | 1.73 | 13 T 1013 |  |  |  |
| 13 T $1002 \mathrm{k} / \mathrm{s}$ | 1.77 | 1.48 | 13 T1250 |  |  |  |
| $13 \mathrm{~T} 1003 \mathrm{~K}_{\text {c }}$ |  |  | 13 I 1014 13 1251 | 1/2/10 | 33 | 28 |
| 13 T $10041 / 2$ <br> 13 <br> 1005.15 | . 81 | . 68 | 13 T 1015 | $2{ }_{21 / 2}$ |  |  |
| 13 T 1006.175 | . 81 | . 68 | 13 <br> 13 <br> 13 1016 |  | 30 | 25 |
| 13 T 1007 \% |  |  | 13 T 1017 |  |  |  |
| ${ }_{13} 13$ T $10081 / 4$. |  |  | 13 T 1016 | 5 |  |  |
|  |  | 45 | 13 T1019 | 6 |  | 35 |
| 13 T 1011 1/2 |  |  | 13 T 253 |  |  |  |
| 13 T 1012 3/4 |  |  | 13 T 1020 | 8 | . 63 | . 53 |

## 3AG STANDARD PIGTAIL FUSES

Series $\mathbf{3 1 8 0 0 0}$. Designed for use in TV receivers and other applications where absolute economy in space is necessary. Rated at 250 V . UL listed through 3 amps. $11 / 4 \mathrm{Lx} 1 / 4^{\prime \prime}$ diam. pigtails $11 / 2^{\sim} \# 20$ tinned copper wire. 5 fuses per phe. Shigg. wt., 602.


## LIMITED CURRENT FUSES

Series 332000 . Exact IV replacements. Fuses match holders for specific sire ranges. Rated 250 volt through 6 amps and 125 volt above 7 amps. 5 fuses per pke. Shpg. wt., 602.

| Stoch Mo. Amps | $\begin{aligned} & \text { Pef } \\ & \text { Pkg. } \end{aligned}$ | $\begin{aligned} & 20 \mathrm{E} \text { up } \\ & \text { Per Pkg } \\ & \hline \end{aligned}$ | Stock No. | Amps | Per Phg. | $\begin{aligned} & \text { tup } \\ & \hline \text { it } \\ & \hline \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 13 T 1082 k | 1.71 | 1.43 | 13T1095 | $11 / 4$ |  |  |
| 13 T 1003 \% | 1.14 | . 95 | $\begin{aligned} & 13 \text { T } 1096 \\ & 13 \text { T } 1097 \end{aligned}$ |  | 39 | 33 |
| $\begin{aligned} & 13 \text { T } 10841 / 8 \\ & 13 \text { T } 1085 \% \end{aligned}$ | 84 | . 70 | 13 T 1098 | $3^{1 / 2}$ |  |  |
| 13 T 1086 |  |  | 13 T 1099 |  |  |  |
| 13 T1087 <br> 13  <br> 13 1088 <br> 13  |  |  | 13 <br> 13 <br> 13 <br> 1101 <br> 102 |  |  |  |
| 13 T1089 3/8 | . 66 | . 55 | 13 T1103 | 6 |  | 40 |
| 13 T $10901 / 2$ |  |  | 13 T 1104 |  |  |  |
| $13 \mathrm{~T} 10913 / 4$ |  |  |  |  |  |  |
| 13 T 10921 |  |  | 13 T 1105 | 8 | . 69 | . 58 |
| 13 T 1093 11/4 |  | .33 | 13 T 1106 | 10 | . 72 | . 60 |

## SLOW BLOW LIMITED CURRENT FUSES

Series 333000 . Exact TV replacement. Fuse matched to fuseholder All rated 125 volts except $61 / 4$ and 7 amp rated 32 volt. 5 fuses per ple. Shpg. Wt.. 602.

| Steck No. | Amps | Per Phe. | 20 2tup | Stock Mo. | Amps | Per Plg. | 20 \& up Per Ply. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 13 T 1107 | 1/100 |  |  | 13 I 1120 | 1 | 7 | . 98 |
| 13 T1108 | $\mathrm{K}_{2}$ |  | . 35 | 13 T 1121 |  |  |  |
| 13 T1109 | Kis |  |  | $13 T 1122$ | $1.6 / 10$ |  |  |
| 13 T <br> 13 <br> 1111 | ${ }^{1 / 10}$ |  |  | 13 <br> 13 <br> 1123 <br> 15124 |  | 1.05 | . 88 |
| 13 T 1112 | 2/10 |  |  | 13 T 1125 |  |  |  |
| 13 T 1113 | 1/4 |  |  | 13 T 1126 | 2-8/10 |  |  |
| 13 T 1114 | 3/10 | 1.17 | . 98 | 13 T 1127 | $3-2 / 10$ |  |  |
| 13 T 1115 | 4/10 |  |  | 13 I 1128 | $31 / 2$ | 99 |  |
| 13 <br> 13 <br> 13 <br> 1116 | 1/2/10 |  |  | 13 T 1129 |  |  | 8 |
| 13 T1117 13 T1118 | 6/10 |  |  | 13 T1130 | 5 |  |  |
| 13 T1118 13 T1119 | 3/4/10 |  |  | 13 T1131 | 61/4 |  |  |
| 13 T1119 | 8/10 |  |  | 13 T 1132 | 7 |  |  |

## AUTO FUSE ASSORTMENT



Universal auto fuse assortment easily stored in glove compartment for emergency use Fuses for radio, heater, lights, cigar lighter, air condltioner, windshield wipers etc. packed in plastic case, 10 fuses. Assorted value. Shpg. wt., 2 ors.

## 13 T 1174

Universal auto fuse retainer. Holds fuses with spring loaded action dust attach wires into circuit and load with a fuse.
13 T 1175 Shpg. wt., 2015.

## TYPE 3AG SLOW BLOW FUSES

Series 313000 High time-lag to withstand heavy surges, blows quickly on shorts. Units through 5 amps are rated 125 volts and are UL listed, above 5 amp rated 32 volt. 5 fuses per nigg. $11 / 4 \mathrm{~L} \times 1 / 4^{\prime \prime}$ diam. Shpg. wt., 6 oz .

| Stock No. Amps | Per Phg. | 20 部 Per Pkg. | Stock Mo. | Amps | Per Phg. | 20 \& up Per Pkg. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1317021 1/100 |  | 1.28 | 13 T 1039 | 1 | $\Pi .1$ | . 93 |
| 13 T 1022 k | 1.53 | 1.28 | $13 \text { T } 1256$ | 1-2/10 |  |  |
| $\begin{array}{llll}13 \\ 13 & 1023 \\ 13 & 1 / 16 \\ 13 & 1 / 10\end{array}$ | 1.11 | . 93 | 13 T 1040 13 T 1041 | $11 / 4$ |  |  |
| 13 T 1025 1/8 | 1.11 | . 93 | 13 T 1041 13 T 1042 | 11/2 $1-5 / 10$ | 2 | . 85 |
| 1371026.15 |  |  | 13 131043 | 0 |  |  |
| 13 T 1027.175 |  |  | 13 T 1044 |  |  |  |
| 13 T 1028 3/14 | , 1.11 | . 93 | 13 T 1257 | 2-8/10 |  |  |
| 13 <br> 13 <br> 131039 <br> 1029 |  |  | 13 T 1045 | 3 |  |  |
| 13 $1310313 / 10$ |  |  | 13T1046 | 3.2 |  |  |
| 13 T 1032 3/8 | 1.11 | . 93 | 13 T 1048 | 5 |  |  |
| 13 T 1033 4/10 |  |  | 13 T 1049 | 61/4 |  |  |
| 13 T 1034 1/2 |  |  | 13 T 1050 | 7 | 1 | 6 |
| 13 <br> 13 <br> 1035 <br> 1036 <br> $7 / 10$ |  | . 93 | 13 T 1051 | 8 |  |  |
| 13 $131037{ }^{3 / 4}$ |  |  | $13 \text { T } 1052$ | 10 |  |  |
| 13 T 1038 8/10 |  |  | 13 131054 | 20 |  |  |
|  |  |  | 13 T 1055 | 25 |  |  |
|  |  |  | 13 T 1056 | 30 |  |  |

## 3AG SLOW BLOW PIGTAIL FUSES

Series $\mathbf{3 1 5 0 0 0}$. Widely used in IV receivers. Designed to withstand heavy surges and instantaneous peaks yet quich acting under short circuit. All rated 125 Volt. UL listed through 3.2 amp . $11 / 4 / \mathrm{al}^{2 /}$ diam., pigtails $11 / 2^{\prime \prime}=20$ tinned copper wire. 5 fuser per. pte. Shpg. wi., 602.

| Stock Mo. | Amps | Per P应g. | $\begin{aligned} & 20 \text { \& up } \\ & \text { Per Phg. } \\ & \hline \end{aligned}$ | Stack Mo. | Amps |  | 20 2 4p Per Phes. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 13 I 1057 | 1/100 | 189 | 158 | 13 T 1070 |  |  |  |
| 13 T1058 | 1/3 | 1.89 | 1.58 | 13 T 1071 | 8/10 | 1.38 | 1.15 |
| 13 T 1059 | \% |  |  | 13 T 1072 |  |  |  |
| 13 T 1060 | $1 / 10$ |  |  | 13 T 1073 |  |  |  |
| $13 T 1061$ | . 15 | 1.38 | 1.15 | 13 T 1074 | $11 / 2$ $1.6 / 10$ | 1.29 | 1.08 |
| 13 13 13 1062 | 2/1610 |  |  | 13 13 13 T 1075 | $2^{1-6 / 10}$ |  |  |
| 13 T 1064 | 1/4 |  |  | 13 T 1077 | 21/2 |  |  |
| 13 T1065 | 3/10 |  |  | 13T1078 |  |  |  |
| 13 T 1066 | 3/1 | 1.38 | 1.15 | $13 T 1079$ | 3.2 | 1.11 | . 93 |
| 13 T1067 | 4/10 | 1.38 | 1.15 | 13 T 1080 | 4 |  |  |
| 13 T1068 | $1 / 2$ |  |  | 13 T 1081 | 5 |  |  |

## TYPE 8AG INSTRUMENT FUSES

Series 361000 . Designed for high.speed action to protect delicate electrical equipment. All rated at 250 volts, except 5 amp rated 32 volt. 5 fuses per pleg. $1 \mathrm{Lx} 1 / 4^{\prime \prime}$ diam. Shipg. wt., 601.

| Stock Mo. | Amps | Pep Pkg. | 20 tup Per Pkg. | Stock No. | Amps | Per Pag. | 20 sup Per Ply. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 13 T 1133 | 1/500 | 5.43 | 4.53 | 13 T 1141 | 1/2 |  | 45 |
| 13 T 1134 | 1/200 | 2.25 | 1.88 | 13 T 1142 |  |  | 4 |
| 13 T1135 | 1/100 | 2.07 | 1.53 | 13 T 1143 |  |  |  |
| 13 T1136 | 1/32 | 1.77 | 1.48 | 13 T 1144 | 12/2 |  |  |
| 13 T 1137 | 1/16 | 1.14 | . 95 | 13 T 1145 | - |  | . 28 |
| 13 T 1138 | $1 / 8$ | .81 | . 68 | 13 T 1146 | 3 | . 33 | . 28 |
| 13 T1139 | 1/4 | . 54 | . 45 | $13 \text { T } 1258$ | 4 |  |  |
| 13 T 1140 | 3/8 | . 54 | . 45 | $13 \text { T } 1147$ | 5 |  |  |

## TYPE 3AB FUSES

Series 314000 . Steatite enclosed, ARC Quenching Powder filled fuses. Will not shatter against quich shorts. Medium time lag types through 15 Amp . UL listed All 250 volt except 30 smps 125 volt. $1 \mathrm{~L} / \mathrm{L} \times 1 / 4^{\circ}$ 0iz. 5 tuses per ples. Shpg. wt., 602.

| Steck No. Amps | Per 20 I up Phg. Pep Pkg. |  | Stock No. | Amps | Per 20 ap Pke. Per Phy. |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 13711601 |  |  | 13 T 1165 | 10 | . 66 | . 55 |
| 13 T 11612 | . 69 | . 58 | 13 T 1166 | 12 |  |  |
| 13 T 11623 |  |  | $13 \text { T } 1167$ | 15 | . 69 | . 58 |
|  |  |  | 13 T 1168 | 20 |  |  |
| 13 T11635 <br> 13 T 11648 | . 66 | . 55 | 13 T1259 <br> 13 <br> 1169 | 25 30 | . 84 | .70 |

## PLUG FUSES

L listed. Wt., 6 oz. PER BOX OF 5
13 T 1170-10 amperes
13 T 1171-15 amperes
13 T 1172-20 amperes
$39^{c}$
13 T 1173-30 amperes

## SUBMINIATURE PICOFUSES

Fuses and Fuse Holders

Series 275000 . For computer, micro-electronic and aerospace circuits of 125 V ., or less, where short-circuit currents as high as 300 amps may occur. Ceramic body. Only $7 / 32^{*}$ long $\times 5 / 64^{\prime \prime}$ dia, dxial tin coated copper leads. 5 fuses per pkg. Shipg. wt., 2 oz.


## LITTELFUSE EURDPEAN EQUIPMENT FUSES

Used in European instruments, tape recorders, Radios, Hi.fl equipment and Hickok test equipment, $5 \times 20 \mathrm{~mm}$. Rated at 250 V . 5 fuses per pkg. Shpg. Wt., 602.

| Stock No. | Amps | $\begin{aligned} & \text { Per. } \\ & \text { Pkg. } \end{aligned}$ | 20 up Per Pkg. | Stock No. Amps | Per PkE. | $\begin{aligned} & 20 \text { tup } \\ & \text { Per Pkg. } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 271 Series Standard Fuse |  |  |  |  |  |  |
| 13 T 1210 | 1/2 | 1.23 | 1.03 | 13 1 1219 12/2 | . 99 | . 13 |
| Type F 212 Series Standard Fuse |  |  |  |  |  |  |
| 13 T 1211 | 1/8 | 1.59 | 1.33 | 13 T 1220 11/4 |  |  |
|  | 1/4 |  |  | 13 T1221 2 |  |  |
| 13 Y 1213 | $1 / 2$ | 1.23 | 1.03 | 13112224 | . 99 | . 83 |
| 13 T 1214 | 8/10 |  |  | 13 T1223 6 |  |  |
| 13 T 1215 | 1 | . 99 | . 83 |  |  |  |
|  |  | Type | 213 Series | Slow Blow fuse |  |  |

 13 T 1218

## LITTELFUSE 32 VOLT AUTO FUSES

307000 Series Medium acting fuses designed for auto use. Sizes to S,A.E. specifications, length according to current to guare against over fusing. For Buss specify SFE All 1/4" Diam. 5 fuses per pkg. Shpg. Wt., $60 z$.

| stock No. | Amps. | Per Pkg. | 20 \& up Per Phe. |
| :---: | :---: | :---: | :---: |
| $\begin{aligned} & 13 \text { T } 1226 \\ & 13 \text { 个 } 1227 \end{aligned}$ | 4 | . 25 | . 21 |
| $\begin{aligned} & \hline 13 \text { T1228 } \\ & 13 \text { Y } 1229 \\ & \hline \end{aligned}$ | $7.5$ | . 22 | . 18 |
| $\begin{aligned} & 13 \text { T } 1230 \\ & 13 \text { T } 1231 \end{aligned}$ | $\begin{aligned} & 14 \\ & 20 \end{aligned}$ | . 20 | . 17 |
| 13 Y 1232 | 30 | . 25 | 21 |

## BUSS FOREIGN CAR FUSES

Replacement glass fuses for porcelain body fuses used in Volks. wagen, Mercedes-Benz, Opel, Porsche, Saab, Volvo, Renaut ('64 8 later), Fiat and others. All $1 / 4$ " dia. $x 31 / 32$ except "1/4" dia. $x$ 21/32. 5 fuses per okg. Shipg. wt., 602.

| Stock No. | Amps | Per Pkg. | Stock No. | Amps | Per Pkg. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 13 Y 6210 | ${ }^{8}$ |  | 13 T 6213 | 25 | 24 |
| $\begin{aligned} & 13 \mathrm{~T} 6211 \\ & 13 \mathrm{~T} 6212 \end{aligned}$ | 15 16 |  | 13 T $6214^{*}$ | 25 |  |
| SNAP-ON FUSE HOLDER <br> fast replacement of pigtail fuses. One side of holder clips on to blown fuse. New fuse fits other side |  |  |  |  |  |
|  |  |  |  |  |  |

dual holder clips on to blown fuse. New fuse fits into other side.
13 T 1238 wt., 402.
Each 15
10 for 1.25

## PHOSPHOR BRONZE FUSE CLIPS

Bright nickel plate with fuse stop ears. 10 clips per package. Ship. wt., 402.

| stock No. | Littel fuse | For Fuse Types | $\begin{aligned} & \text { Net Per Pkg. of } 10 \\ & 1-9 \quad 10-\mathrm{up} \end{aligned}$ |
| :---: | :---: | :---: | :---: |
| 13 T 1233 | 101001 | Standard HI-Voltage | .25 . 21 |
| 13 Y 1234 | 103001 | SFE, 3AG, 3AB, 8AG | .41 . 35 |
| 13 T 1235 | 105001 | 4AG, 4AB | . 50 . 42 |
| 13 T 1235 | 107001 | N.E.C. -30 Fuses | $84 \quad .70$ |
| 13 T 1237 | 109001 | N.E.C. 30 Fuses | $2.22 \quad 1.85$ |
| BUSS FUSETRON AL-ELEMENT FUSES |  |  |  |

Contains both a thermal cutout and fuse to withstand heave starting surge currents yet protect on dangerous overloads or shori circuits For 125 V . Four fuses per pkg. Shpg. wt., 5 oz. Der pkg.

| stock No. | 8uss | Rating Amp. | Per PKg. | Stock No. | Buss. | $\begin{aligned} & \text { Ratimg } \\ & \text { Amp } \end{aligned}$ | Per Pkg. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $13 \mathrm{~T} 6205$ | $T-20$ | $20$ | . 37 | 13 T 6208 | T-25 | $25$ | . 37 |



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## LITTELFUSE MOUNTINGS AND EXTRACTOR POSTS

Mounts and fuse hoiders for every application. *Includes fuse. Avg. shpg. wt., 302.

| Stock No. | Fig. | For Fuses | Description | Net Ea. |
| :---: | :---: | :---: | :---: | :---: |
| 13 T 1176 | A | 3AG, 3AB | Panel mount, screw s |  |
| 1311177 | B | 3AG, 3AB | Panel mount, finger knob | . 54 |
| 13 Y 1178 | A | 8AG | Panel mount, screw siot |  |
| 13 T 1181 | C | 8AG | Single fuse, lug terminal | . 18 |
| 13 Y 1182 | C | 3AG, 3AB | Single fuse screw terminal | . 36 |
| 13 T 1184 | D | 8AG | Double fuse, lug terminal | . 34 |
| 13 T 1185 | E | 8AG | Meter-back mtg. | . 34 |
| 13 T1186 | F | 8AG | Below panel mtg. | . 51 |
| 13 T 1187 | F | 3AG, 3AB | Below panel mig. | 51 |
| 13 T1188 | 6 | SFE (9A) | Auto inline fuse retainer | . 40 |
| $13 T 1189$ | G* | SFE (14A) | Auto inllne fuse retainer | . 40 |
| 13 T 1190 | G* | SFE (20A) | Auto inline fuse retainer | . 40 |

## MINIATURE 3AG FUSE EXTRACTOR POSTS

Shortest 3AG fuse posts. Test post hole in knobs. UL listed.
Body and knob meet MIL-P-14F type CFG. Rated at 15 amps, 250 volts. Fig. $K$ has stralght bottom terminals, behind panel length $111 / 2$. Fig. L. $M$ has right angle bottom terminal behind panel length 1 Kos ". Fig. L has knurled knobs. Fig. K, M has fluted knobs. Shpg. wt., 3 oz.

| Stock No. | $\begin{aligned} & \text { Mrg. } \\ & \hline \end{aligned}$ | Fig. | 1.99 | $\begin{aligned} & \text { NET EACH } \\ & 100-499 \end{aligned}$ | 500 Up |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 13 T 1192 | 342014 | K | 40 | . 33 | . 26 |
| $\begin{aligned} & 13 Y 1193 \\ & 13 Y 1194 \end{aligned}$ | $\begin{aligned} & 342022 \\ & 342004 \end{aligned}$ | $\frac{1}{M}$ | . 45 | . 38 | 30 |

## 3AG INDICATING FUSE POSTS

Series 344000 . Fuse holder with foolproof neon indicator that lights when the fuse blows. Mounts in $5 / 6$ " Diameter " $D$ " hole with an overall length of $23 / \mathbf{g}^{\prime \prime}$ including the inserted fuse. Comes in models for voltages between $21 / 2$ and 250 volts with a maximum current rating of 20 amps

| Stock No. | Fig. | Mfr. No . | Volts | $\begin{aligned} & \text { Net Each } \\ & 100-49 \end{aligned}$ |  | 500 Up |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 13 T 1195 | $\cdots$ | 344006 | 2.5-7 |  |  |  |
| $\begin{aligned} & 13 \text { Y1196 } \\ & 13 \text { Y } 1197 \end{aligned}$ | $\underset{\mathbf{N}}{\mathbf{N}}$ | $\begin{aligned} & 344012 \\ & 344024 \end{aligned}$ | $\begin{aligned} & 7-16 \\ & 16.32 \end{aligned}$ | 2.65 | 221 | 1.76 |
| $\begin{aligned} & 13 \text { T } 1198 \\ & 13 \text { T } 1199 \end{aligned}$ | $\begin{gathered} \mathrm{N} \\ \mathbf{N} \\ \hline \end{gathered}$ | $\begin{aligned} & 344125 \\ & 344250 \end{aligned}$ | $\begin{aligned} & 90-125 \\ & 200-250 \end{aligned}$ | 1.61 | 1.35 | 1.08 |

## BUSS FUSE MOUNTINGS



Convenient methods for mounting fuses on equipment, radio, TV, instruments, etc. Fuses easily replaced. 6 oz.

| Stock No. | Buss | For | Net <br> E. | Stock No. | Buss | For | Net E. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 13 T 6200 | HPC | 5AG | . 60 | 13 T 6203 | HJM | 8AG | 40 |
| 13 T 6201 | HCM | 4AG | . 55 | 1316204 | 4405 | 3AG | . 18 |
| 13 T 6202 | HKP | 3AG | 40 | 13 T 6205 | 4408 | 3AG | 34 |



## DUAL FUSE HOLDER WITH CLEAR PLASTIC COVER

## LOTS OF 10

Dual fuse holder for popular 3AG, 3AB, and
8AG fuses with durable, clear plastic, protective cover. Rated $\mathbf{2 5 0}$-volts 3 amps. Has right angle bottom solder terminals. ported.
99 T 6337 Shpg. wt., 402 ....Net Each 24
Lots of 10. Net Each 19


## DELUXE CABINET RACKS



16 Gaure steel cabinet racks. Front vertical comers are rounded and the top and bottom are trimmed with red striped chrome finished moulding. Recessed pla-no-type hinged door in top. Units marked* also have hinged rear door. Louvered sides and rear opening provide ventilation. Panel mounting holes tapped for $\mathbf{1 0 - 3 2}$ machine screws. Gussets weided at bottom of rear on types $170-350$ for additional strength. All are $211 / 4^{\prime \prime}$ wide. $151 / 4^{\prime \prime}$ deep. Finished in gray hammertone. o/a $=$ overali.

| Stock No. | Type |  | $\mathrm{H}^{0 / a}$ |  |  | Lus. | $\begin{gathered} \text { Net } \\ 1-14 \end{gathered}$ | $\begin{aligned} & \text { ach } \\ & 15-24 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 12 T 8519wXY | OCR 70 |  | 87/4 |  |  | 22 | 16.70 | 15.0 |
| 12 T 8520WXY | OCR 80 |  | $104 / 2$ |  |  | 24 | 17.80 | 16 |
| 12 T852iwxy | DCR 100 DCR 120 |  | 121/4 |  |  | 26 | 19.50 | 17.5 |
| 12 Y 8522WXY |  |  | 14 |  | / ${ }^{\text {* }}$ | 28 | 21.70 | 19.53 |
| 12 T 8523WXY | DCR 120DCR 140 |  | 153 | $14^{\prime}$ |  | 32 | 23.35 | 21.0 |
| 12 Y 8524WXY | OCR 170** |  | 194 |  | 2 | 40 | 28.40 | 25.56 |
| 12 T8525WXY | OCR 190* |  | 21 |  |  | 42 | 30.05 | 27.04 |
| 12 T8526WXY | DCR 210* |  | 223 | 21 |  | 44 | 31.15 | 28.03 |
| 12 T 8527Wxy | OCR 260** |  | 28 |  | $4^{*}$ | 45 | 33.40 | 30.06 |
| 12 Y 8528wxy | DCR 310** |  | 331 |  |  | 50 | 35.60 | 32.04 |
| 12 T 8529WXY | OCR 350* |  | 363/4 |  |  | 55 | 37.85 | 1400 |
| TELEPHONE TYPE CHANNEL RELAY RACKS |  |  |  |  |  |  |  |  |
| Open type racks constructed of 12 gauge steel finished in gray ham. mertone. Vertical members and top crossbrace are included together. Panel mounting holes are tapped for $\mathbf{1 0 - 3 2}$ machine screws. Racks shipped knocked down with all necessary bolts for easy assembly. Base punched to accommodate tyde CA- 4 casters. |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| Stock Mo. | Mfr. Type | HWW0" |  |  | Panel Space |  | Lus. | Net |
| 12 T 8589 WX | $\begin{aligned} & \text { RR-800 } \\ & \text { RR-801 } \\ & \text { RR- } 802 \end{aligned}$ | $391 / 4 \times 20 \times 18 \%$ " <br> 741/4×20×207/" <br> $791 / 2 \times 20 \times 207 /{ }^{\prime \prime}$ |  |  | $\times 19$ |  | 40 | 23.80 |
| 12 T 8590 Wx |  |  |  |  |  | 3/619" | 55 | 28.30 |
| 12 T8591wx |  |  |  |  | 77 | $\times 19^{\circ}$ | 60 | 32.8 |

TABLE TYPE RELAY RACKS RIRidiy constructed of \#16 gauge steel finished in gray hammertone. Base constructed of one plece, similar to a chassis. Panel mounting holes are tapped for 10.32 machine screws. Shipped knocked down.

| stock No. | Mfr. Type | HxWxD" | Space | Lus. | Net |
| :--- | :--- | :--- | :--- | :--- | :--- | | 12 T $8592 W X$ | TR-2119 | $25 \times 21 \times 12^{\circ}$ | $21 \times 19^{\circ}$ | 17 | 9.85 |
| :--- | :--- | :--- | :--- | :--- | :--- |



## SLOPING PANEL UTILITY BOXES

Steel and aluminum sloping panel cabinets with round top comers and sloping front. For installations that require odening in rear of box. No. 20 gauge steel-Black Wrinkle finish. No. 18 gauge (.040) aluminum- natural aluminum finish. $412^{\circ} \mathrm{H} x 41 / 4^{\circ} \mathrm{D}$.

| STOCK No. | WIDTH | TYPE | L8S | 1-49 | $\begin{aligned} & \text { NET } \\ & 50.99 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 12 T 8065 | 4\%。 | SPC-1200 | 3/4 | 1.35 | 1.21 |
| 12 T 8066 | 53/6 | SPC. 1201 | 1 | 1.55 | 1.39 |
| 12 T 8067 | 636 | SPC-1202 | 1 | 1.75 | 1.57 |
| 12 T 8068 | ALUMINUM |  |  |  |  |
| 12 I 8069 | 436. | ASPC-1200 | $1 / 2$ | 2.15 | 1.93 |
| 12 T 8070 | 53. | ASPC. 1201 | $1 / 2$ | 2.25 | 2.02 |
| 12 T 8071 | 6\% | ASPC-1202 | 3/4 | 2.35 | 2.11 |
| 12 T 8072 | 7\% | ASPC-1203 | 3/4 | 2.45 | 2.20 |

STANDARD AMPLIFIER FOUNDATIONS

| 20x |  | Consists of regular chassis with rusgedly constructed metal covers. Top cover has Derforations, rounded comers; $6^{\prime \prime}$ high: 1-DC chassis with corners spotwelded; Gray Hammertone Finish. |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Stock No. | Type | $\begin{gathered} \text { Chassis } \\ \text { OxWaH } \end{gathered}$ | Lbs. | 1.24 | $\begin{gathered} \text { Net } \\ \mid 25-49 \end{gathered}$ | 50.99 |
| 12 T 8530 | AF. 510 | $5 \times 10 \times 3$ | 9 | 7.00 | 6.30 | 5.67 |
| 12 T 8531 | AF-615 | $6 \times 14 \times 3$ | 10 | 7.75 | 6.97 | 6.27 |
| 12 T8532 | AF-1017 | 10x17x3 | 13 | 9.75 | 8.77 | 7.89 |
| 12 T8533 | AF-1317 | 13x17x3 | 15 | 11.00 | 9.90 | 8.91 |

STANDARD RACK PANELS
Steel panels, gray hammertone both sides19" wide. No. 12 gauge steel.

| Stack No. | Mifr. No. | Het. | Lbs. | 1.49 | 50.99 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 12 T 8670 | RP. 119 | 13/4 | 1 | 1.20 | 1.08 |
| 12 Y8671 | RP-319 | $31 / 2{ }^{\prime \prime}$ | 2 | 1.40 | 1.26 |
| 12 T8672 | RP-519 | $51 / 4{ }^{\prime \prime}$ | 3 | 1.75 | 1.57 |
| 12 T 8673 | RP-719 | $7{ }^{\prime \prime}$ | 4 | 2.00 | 1.80 |
| 12 T8674 | RP-819 | 83/4" | $51 / 4$ | 2.40 | 2.16 |
| 12 T 8675 | RP. 1019 | 1012" | $61 / 4$ | 2.85 | 2.56 |
| 12 T 1276 | RP-1219 | 121/4" | 7 V | 3.25 | 2.92 |
| 12 I 8677 | RP-1419 | 14** | 84/4 | 3.75 | 3.37 |
| 12 T 8678 | RP-1519 | 154" | 9 | 4.20 | 3.78 |
| 12 T 8679 | RP-1719 | 1712" | 1042 | 4.70 | 4.23 |
| 12 T 8680 | RP. 1919 | 191/4" | 12 | 5.10 | 4.59 |
| 12 T 8681 | RP-2119 | $21^{\prime \prime}$ | 1242 | 5.65 | 5.08 |

Aluminum panels, type MAP, bright aluminum protected both sides by peelable maskine paper. Type ARP printed gray hammertone both sides. 19" wide, $1 / 0^{\prime \prime}$ thick.

| Mastred Anminum |  |  |  |  | Gray Hammertone |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Stock No | yot | ExCh | Mst. | Lbs. | Stock No. | Ype | Each |
| 12 T 8546 | MAP 119 | 1.25 | 1 $1 /{ }^{* \prime}$ | 1/2 | $12 \mathrm{TB682}$ | ARP 119 | 1.30 |
| 12 T 8547 | MAP 319 | 1.70 | $342{ }^{\prime \prime}$ | 1 | 12 T 8683 | ARP 319 | 1.75 |
| 12 I I 48 | MAP 519 | 2.30 | 51/4* | $14 / 2$ | 12 T 8684 | ARP 519 | 2.50 |
| 12 I 8549 | MAP 719 | 2.75 | $7^{\prime \prime}$ | 2 | 12 T 585 | ARP 719 | 3.05 |
| 12 T 8550 | MAP 819 | 3.40 | 83/4" | 21/2 | 12 T8686 | ARP 819 | 3.50 |
| 12 T 855 | MAP 1019 | 4.20 | 104/2" | 3 | 12 T 8687 | ARP 1019 | 4.45 |
| 12 T 8552 | MAP 1219 | 4.85 | $124 / 4^{\prime \prime}$ | 342 | 12 T 8688 | ARP 1219 | 4.95 |
| 12 T 8553 | MAP 1419 | 5.60 | $14^{\prime \prime}$ | 4 | 12 T 8689 | ARP 1419 | 5.90 |
| 12 T 8554 | MAP 1519 | 6.25 | 15Y" | 4 | 12 T 8690 | ARP 1519 | 6.60 |
| 12 T 8555 | MAP 1719 | 6.85 | 174* | 47/4 | 12 T8691 | 却P 1719 | 7.20 |
| 12 I 8556 | MAP 1919 | 7.60 | 1914** | 5 | 12 T 4692 | ARP 1919 | 7.75 |
| 12 T8557 | MAP 2119 | 8.25 | 21* | 6 | 12 T 6693 | 4RP 2119 | 8.60 |

## ALUMINUM PANEL CHASSIS

Front flange notched for mounting on $19^{\prime \prime}$ stand. ard racks. Made of 14 gauge (.064) aluminum. Al chassis depths are $5 \%_{2}^{\prime \prime}$. Gussets are spot weided in each corner for greater strength. Etched finish. $\mathrm{H}=$ Height.

| Stock No. | Mfr. Type | H | Lbs. | 1.24 | $\begin{aligned} & \text { Net } \\ & 25-49 \end{aligned}$ | 50.99 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 12 18025 | ACH. 1200 | 13/4 | $3 / 4$ | 3.00 | 2.70 | 2.43 |
| 12 I 8026 | ACH-1201 | 3142" | 13/4 | 3.25 | 2.92 | 2.63 |
| 12 T 8027 | ACH-1202 | 51/4" | $11 / 2$ | 3.60 | 3.24 | 2.92 |
| 12 T 8028 | ACH-1203 | $7{ }^{\prime \prime}$ | 2 | 4.05 | 3.64 | 3.28 |
| 12 I 8029 | ACH-1204 | $83 / 4 "$ | 21/4 | 4.75 | 4.27 | 3.84 |
| 12 T 8030 | ACH. 1205 | 104/2" | 23/4 | 5.35 | 4.81 | 4.33 |
| 12 I 8031 | ACH-1206 | 121/4" | 3 | 5.90 | 5.31 | 4.78 |
| 12 T 8032 | ACH-1207 | $14^{\prime \prime}$ | 3V/4 | 6.75 | 6.07 | 5.47 |

## MINIATURE UTILITY CABINETS WITH ATTACHED CHASSIS

Small \#20 gauge steel cabinets with a chassis spot welded to front panel. Front and rear panels removable. Finished in black wrinkle. Average shpg. wt., $24 / 4 \mathrm{lbs}$.

| Stock No. | $\begin{aligned} & \text { Size } \\ & \mathrm{HxW} \times \mathrm{O} \end{aligned}$ | Chassis Size | 1.49 | $\begin{gathered} \text { Net ea. } \\ 50-99 \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: |
| 12T8033 | $4 \times 4 \times 2$ | $1 \times 27 / 8 \times 17 / 8$ | 1.60 | 1.40 |
| 12 T 8034 | $4 \times 5 \times 3$ | 1 $\times 37 / 8 \times 27 / 8$ | 1.90 | 1.70 |
| 12 T 2035 | $5 \times 4 \times 3$ | 11/4×27/627/4 | 2.00 | 1.00 |
| 12 T 8036 | $6 \times 5 \times 4$ | 11/4x37/0x37/5 | 2.10 | 1.90 |
| 12 T 2037 | $5 \times 6 \times 4$ | 11/6x47/8×37/8 | 2.40 | 2.10 |
| 12 T8038 | $6 \times 6 \times 6$ | $17 / 4 \times 47 / 8 \times 5$ \% | 2.50 | 2.60 |

## CHASSIS MOUNTING BRACKETS

Constructed of No. 16 gauge steel. Cutaway to provide clearance so that chassis can be flush mounted. All for $3^{\prime \prime}$ high cassis except * are for 4 inch high. Finished in gray hammertone. In pairs only.

| Steck Ne. | Mfr. Type | $\mathrm{H}^{\text {size }} \mathrm{O}^{m}$ |  | Les. | $\underset{1-48}{\mathrm{Ne}}$ | $50.99$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 12 T 8570 | CB. 78 | 61/2 | 8 | $11 / 2$ | 1.30 | 1.17 |
| 12 T 8571 | CB. 710 | 61/2 | 10 | $13 / 4$ | 1.60 | 1.44 |
| 12 T8572 | CB.711 | 64/2 | 11 | 2 | 1.75 | 1.57 |
| 12 I 8573 | C8.712 | 61/2 | 12 | 21/3 | 1.90 | 1.71 |
| 12 T8574 | C8-713 | $61 / 2$ | 13 | $21 / 4$ | 2.00 | 1.30 |
| 12 T 8575 | CB. 717 | $61 / 2$ | 17 | 3 | 3.20 | 2.88 |
| 12 T 8576 | C8-810** | $81 / 2$ | 10 | 2\% | 2.40 | 2.16 |
| 12 T8577 | CB-813* | $81 / 2$ | 13 | 3 | 2.55 | 2.29 |

# PREMIER Metal Products 

## METAL UTILITY CABINETS

## CDMPACT CABINETS



Body made of 20 gauge steel with, 064 alu. minum front panel. Top four corners are rounded. Sides are perforated for ventilation. TOD handle is recessed. Panel fits into $1 / 2$; recess. Two inch opening in rear for leads. Welded construction. Base has rubber feet Body finished in dark groy motallic enamel, panel in light gray metallic enamel. With hard. ware for assembly. Ideal for instrumentation ACH series chassis are on next page.

| Stach No. |  | Use Wi. Chasssis lbs. | Net Ea. |
| :---: | :---: | :---: | :---: |
| 12 T 8435 | 8x6 1/8x8 | $5 \times 7 \times 24$ | 9.80 |
| 12 T 8436 | $8 \times 81 / 8 \times 8$ | $7 \times 7 \times 2$ | 10.75 |
| 12 T 437 | $8 \times 101 / 8 \times 8$ | $7 \times 9 \times 2$ | 11.50 |
| 12 T 8438 | 12x81/819 | 7x1182 7 | 12.45 |
| 12 T 8439 | $18 \times 11$ 1/8x11 | $10 \times 17 \times 310$ | 14.75 |
| 12 T 8440 | $18 \times 141 / 8 \times 12$ | $13 \times 17 \times 311$ | 16.75 |

## MINIATURE ALUMINUM OPEN-END CHASSIS

Ideal for small amplifiers, oscillators, and miniature assemblies. Made of 18 gauge (.040) aluminum, natural finish. Avg. shpg. wh. the th.

| Stock No. | $\begin{gathered} \text { Slze } \\ \text { DrWal } \end{gathered}$ | $\begin{aligned} & \mathrm{ACH} \\ & \text { Type } \end{aligned}$ | $\begin{gathered} \text { NKT } \\ 1-2425-49 \end{gathered}$ |  |
| :---: | :---: | :---: | :---: | :---: |
| 12 T 8318 | 2\%x2\%xal $1 / 4$ | 1350 | . 50 | . 45 |
| 12 T 8319 | $13 / 4 \times 31 / 81$ | 1351 | . 50 | 45 |
| 12 T8320 | $31 / 4 \times 1 / 2{ }^{2}$ | 1352 | . 55 | 49 |
| 12 T 321 | 23/x41/x1 | 1353 | . 55 | 49 |
| 12 T 8322 | $33 / 8 \times 41 / 6 \times 11 / 2$ | 1354 | . 55 | . 49 |
| 12 T 8323 | $3 \times 61 / 811 / 4$ | 1355 | . 65 | . 58 |
| 12 T 8324 | $51 / x 41 / 8 \mathrm{xl}$ | 1356 | . 70 | . 63 |
| 12 T 8325 | $4 \times 31 / 9 \times 1$ | 1357 | . 55 | . 49 |
| 12 T 326 | $4 \times 41 / 2 \times 1$ | 1358 | . 60 | 54 |
| 12 T8327 | $4 \times 51 / \times 1$ | 1359 | . 60 | 54 |
| 12 T 83 | $4 \times 61 / 5 x$ | 1360 |  |  |

## UNIVERSAL METER CASES

A meter case that can accommodate either a $\mathbf{2 "}^{\prime \prime}$ or 3" meter. Center hote for $2^{\prime \prime}$ meter increases to $3^{\prime \prime}$ meter hole by simply re moving a knock-out. 4\%ax $41 / 2 \times 41 / 4{ }^{\prime \prime}$. Supplled with two $1 / 2^{\prime \prime}$ dia. knockouts for feed through insulators or Volume Controls. Type
SPC-23 20 gauge steel-black Wrinkle Finish Type ASPC. 23 gauge (.040) Aluminum-Natural Finish. Average shpg. wt., $3 / 4 \mathrm{lb}$.

| Stoek No. | Type | 1.49 | $50-99$ |  |
| :--- | :---: | :---: | :---: | :---: |
| 12 T | 8315 | SPC-23 | 1.60 | 1.44 |
| 12 T | 317 | ASPC-23 | 2.15 | 1.93 |

## CASTERS FOR RACKS

## and Cabinets

Made of Plaskite non-marking composition wheel with Ball Bearing Swivel Plate. Packed one set of 4 in box with screws for assembly.

| Steci No. | Mofr. | Whel | Met Per <br> Set of 4 |
| :--- | :---: | :---: | :---: |
| 12 T 8337 | CA-4 | $2^{\prime \prime}$ | 4.50 |
| 12 T 8338 | CA-5 | $3^{\prime \prime}$ | 11.55 |

Have two removable sides for easy accesslbility. Have flanged edges and spot-welded corners. No. 20 ga . steel finished in Black Wrinkle; No. $16 \mathrm{ga} .(.051)$ aluminum in natural aluminum finish. Avg. shpg. wt. of steel cabisets 3 lbs., aluminum $11 / 2 \mathrm{lbs}$. Type No. is prefaced by "C" for steel and AC' toc aluminum.

| GLACK WhiNKLE STEER |  |  |  |
| :--- | :--- | :--- | :--- |
| Mfr. |  | Net Each <br> Type | Stock No. |


| Size <br> Hxwx |
| :--- |
| $4 \times 4 \times 2$ |
| $415 \times 3$ |
| $5 \times 6 \times 4$ |
| $5 \times 9 \times 6$ |
| $6 \times 6 \times 6$ |
| $6 \times 9 \times 5$ |
| $7 \times 5 \times 4$ |
| $8 \times 10 \times 10$ |
| $12 \times 7 \times 6$ |
| $15 \times 9 \times 7$ |


| Natural alumimum |  |  |  |
| :---: | :---: | :---: | :---: |
| Mrr. Type | Stock No. | $\begin{gathered} \text { Ne1 } \\ 1.49 \end{gathered}$ | Each 50.99 |
| AC. 442 | 12) 8348 | 1.60 | 1.44 |
| AC-453 | 12 T 8349 | 1.70 | 1.53 |
| AC-564 | 12 T 8350 | 2.00 | 1.80 |
| AC-596 | 12 T 8351 | 3.35 | 3.01 |
| AC. 666 | 12 T 8352 | 2.60 | 2.34 |
| AC-695 | 12 T 8353 | 3.25 | 2.92 |
| - | - |  |  |
| AC-1276 | 12 T 8354 | 4.60 | 4.14 |
| AC. 1597 | 12 T 8355 | 6.35 | 5.71 |

## STREAMLINED CABINETS

The perfect cabinets for electronic devices not requiring excessive depths. Has hinged top front vertical rounded corners and a re movable front panel. Slides and back of cabinet are louvered for ample ventilition. Back has opening for leads. Constructed of 20 gauge steet. Finished in gray hammertone.


| Stock Mo. | MAfr. Type | HxWrow | Panel Size | Ubs. | Chassis | $1.2$ | $\begin{aligned} & \text { ach } \\ & 25.45 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 12 T 857 | HTC-200 | $8 \times 10 \times 8$ | $8 \times 8$ | 6 | $7 \times 7 \times 2$ | 6.45 | 5.83 |
| 12 T 8579 | HTC-201 | $8 \times 12 \times 8$ | $8 \times 10$ | 61/2 | 7x9x2 | 6.75 | 6.07 |
| 12 T 8580 | HTC. 202 | $8 \times 16 \times 8$ | $8 \times 14$ | 11 | 7x13x2 | 8.45 | 7.60 |
| 12 T 8581 | HTC. 203 | 9x17x11 | $9 \times 15$ | $61 / 2$ | $10 \times 14 \times 3$ | 12.35 | 11.11 |
| 12 T 8582 | HTC. 204 | $12 \times 20 \times 12$ | $12 \times 18$ | 131/2 | $10 \times 17 \times 3$ | 14.60 | 13.14 |
| 12 T 8583 | HTC. 205 | $8 \times 14 \times 8$ | $8 \times 12$ | $71 / 4$ | 7x1122 | 7.25 | 6.52 |

## SLOPING PANEL CABINETS

These handy cabinets have rounded top corners and a removable front panel. Back of cabinet is perforated and has opening for leads. Constructed of 20 gauge steel. Finished In gray hammertone.

| Steck No. | Mfr. Type | $\begin{aligned} & \text { Skiz } \\ & \text { HxWrD" } \end{aligned}$ | Use Chassis" | Lbs. | 1-24 | $\begin{array}{r} \text { Net } \\ 25-49 \end{array}$ | 50-99 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1218584 | SFC. 500 | $8 \times 8 \times 8$ | 7x7x2 | 6 | 5.45 | 4.90 | 4.41 |
| 12 T 8585 | SFC-501 | $8 \times 10 \times 8$ | 7x9x2 | 7 | 6.10 | 5.49 | 4.94 |
| 12 T8586 | SFC-502 | $8 \times 1418$ | $7 \times 13 \times 2$ | 8 | 6.50 | 5.85 | 5.26 |
| 12 T 8587 | SFC-503 | $9 \times 18 \times 8$ | 7x17x3 | 10 | 9.35 | 8.41 | 7.57 |
| 12 T 858 | SFC. 504 | 12×18×12 | 10x17x3 | 14 | 11.95 | 10.75 | 9.67 |

Two plece case made of $\$ 16$ gauge $(0.51)$ aluminum. Each section forms 3 sides. Flanges assure proper shleiding, Avaliable in variety of sizes for popular electronic devices and construction projects. Available in natural finish or grey hammertone

NATURAL ALUMINUM

| Stock Mo. | $\begin{aligned} & \text { AMC } \\ & \text { Type } \end{aligned}$ | 149 | $\begin{aligned} & \text { Net } \\ & 50- \\ & 99 \\ & \hline \end{aligned}$ | Sire-Lw $\mathrm{Wx}^{\text {N }}{ }^{\prime \prime}$ | Llbs. | Stock Mo. | $\begin{aligned} & \text { PMC } \\ & \text { Type } \end{aligned}$ | 1-49 | $\begin{aligned} & \hline \text { Met } \\ & 50 . \\ & 99 \\ & \hline \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1278367 | 1000 | . 75 | . 67 | 23/4x21/615/4 | 1/4 | 12 T 8384 | 1000 | 85 | 76 |
| 12 T 8388 | 1001 | . 78 | . 70 | $31 / 4 \times 21 / 5 \times 15 / 8$ | $1 / 4$ | 12 T 8385 | 1001 | . 90 | 11 |
| 12 T 8369 | 1002 | . 80 | . 72 | 4 $\times 21 / 4 \times 1$ \% | $1 / 4$ | 12 T 8386 | 1002 | 95 | 89 |
| 12 T 8370 | 1003 | 1.00 | . 90 | 4x21/4 $21 / 4$ | \% | 12 T 8387 | 1003 | 1.15 | 1.03 |
| 12 T 3371 | 1004 | 1.05 | . 94 | $5 \times 21 / 4 \times 21 / 4$ | 3/6 | 12 T 8388 | 1004 | 1.15 | 1.03 |
| 12 T 8372 | 1005 | 1.25 | 1.12 | $5 \times 4 \times 3$ | 1/2 | 12 T 8389 | 1005 | 1.40 | . 26 |
| 12 T 8373 | 1006 | 1.15 | 1.03 | $51 / 4 \times 3 \times 21 / 4$ | 1/2 | 12 T 8390 | 1006 | 1.25 | 1.12 |
| 12 T 8374 | 1007 | 1.50 | 1.35 | $6 \times 5 \times 4$ | 1 | 12 T 8391 | 1007 | 1.70 | 1.53 |
| 12 T 8375 | 1008 | 1.65 | 1.48 | $7 \times 5 \times 3$ | $7 / 4$ | 12 T 8392 | 1008 | 1.90 | 1.71 |
| 12 T 376 | 1009 | 2.45 | 2.20 | 8×6×31/2 | 14/5 | 12 T 8393 | 1009 | 2,60 | 2.34 |
| 12 I 8377 | 1010 | 3.05 | 2.74 | 10×6×31/2 | 11/2 | 12 T 8394 | 1010 | 3.20 | 2.88 |
| 12 T 8378 | 1011 | 3.40 | 3.06 | $12 \times 7 \times 4$ | $13 / 4$ | 12 T 8395 | 1011 | 3.80 | 3.42 |
| 12 T 8379 | 1012 | 4.05 | 3.64 | $17 \times 5 \times 4$ | 2 | 12 I 8396 | 1012 | 4.45 | 4.00 |
| 12 T 380 | 1013 | 1.25 | 1.12 | $10 \times 2 \times 15 / 8$ | $1 / 2$ | 12 T 8397 | 1013 | 1.45 | 1.30 |
| 12 T 8381 | 1014 | 1.65 | 1.48 | 12x21/2 $\times 21 / 4$ | 1/4 | 12 T 8398 | 1014 | 1.85 | 1.66 |
| 12 T 8382 | 1015 | 1.05 | . 94 | $4 \times 2 \times 23 / 4$ | 1/4 | 12 T 8399 | 1015 | 1.30 | 1.17 |
| 12 T 8383 | 1016 | 1.05 | . 94 | $41 / 4 \times 21 / 4 \times 14 / 2$ | 1/4 | 12 T 8401 | 1016 | 1.30 | 1.17 |

## SLOPING COMPACT CABINETS

Two piece unit made of \$20 cold rolled steel. Front, bottom and back form one " $U$ " shaped unit which screws to one plece cover and sides. Top and sides of units ex. tend beyond the front panel area and slope toward the bottom of the panel. Choice of two tone grey enameled finish. black outer shell with blue insert or black with gold Insert.

| Size | Wt. | Twe. Tone Grey |  | Blue-Black |  | old. Black |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| H.w.D. | LDs. | Stock No. | Net | Stock No. | Net | Stock No. | Wet |
| 6x10x7" | 5 | 12 T 8593 | 5.75 | 12 T 8441 | 6.35 | 12 T 8445 | 6.35 |
| $7 \times 12 \times 8{ }^{\prime \prime}$ | 6 | 12 T 8594 | 6.30 | 12 T 8442 | 6.95 | 12 T 8446 | 6.95 |
| $3 \times 8 \times 5$ | 41/2 | 12 T 8595 | 3.25 | 12 T 8443 | 3.60 | 12 T 8447 | 3.60 |
| 5×5×5* | $41 / 2$ | 12 T 8596 | 3.50 | 12 T 8444 | 3.85 | 12 T8448 | 3.85 |

PRRMITA

## PRECISION BUILT METAL CHASSIS

## STEEL AND ALUMINUM CHASSIS

Chassis are of one plece construction with gussets spot-welded to the bottom flanges for addi. tional strength. Made of No. 18 gauge (.040) aluminum except t are No. 14 gauge (.064) in natural aluminum finish.
Bottom plates have holes to match chassis and have 4 pressed dimples. No. 18 gauge (.040) in natural aluminum finish. Avg. shog. wt., 2 lbs.

| B0TT0A | PLATES |  |
| :---: | :---: | :---: |
| Stock No. | $\begin{aligned} & \text { Nef } \\ & 1-49 \end{aligned}$ | $\begin{aligned} & \text { Ea, } \\ & 50.99 \end{aligned}$ |
| 12 T 4287 | . 95 | . 85 |
| 12 T8287 | . 95 | . 85 |
| 12 T 8287 | . 95 | . 85 |
| 1278280 | 1.05 |  |
| 12 18289 | 1.45 | 1.30 |
| 12 T 8290 | . 95 | . 85 |
| 12 T8290 | 95 | . 85 |
| 12 T 8291 | . 95 | . 85 |
| 12 T 8292 | 1.10 | . 99 |
| 12 T 8293 | . 95 | 85 |
| 12 T 8294 | 1.45 | 1.30 |
| 12 I8295 | 1.50 | 1.35 |
| 12 T8296 | . 95 | . 65 |
| 12 T8297 | 1.00 | 90 |
| 12 T 8298 | 1.15 | 1.03 |
| 12 T 8298 | 1.15 | 1.03 |
| 12 T 8299 | 1.30 | 1.17 |
| 12 T8301 | 1.40 | 1.26 |
| 12 T8302 | 1.45 | 1.30 |
| 12 T 8303 | 1.55 | 1.39 |

CHASSIS

|  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Stock No. | Size Inches | Ltos. | $\begin{array}{r} \mathrm{Ne} \\ \mathrm{~T}-49 \end{array}$ | $\begin{gathered} E a \\ 50-99 \end{gathered}$ | Stock Mo. | $\begin{aligned} & \text { Ne1 } \\ & 1.49 \end{aligned}$ | $\begin{aligned} & t \text { Ea. } \\ & 50-99 \end{aligned}$ |
| 1278211 | $8 \times 10 \times 21 / 2$ | 1 | 2.30 | 2.07 | 12 T 8304 | 1.25 | 1.12 |
| 12 T 8212 | $8 \times 12 \times 3$ | 1 | 2.60 | 2.34 | 12 T 8305 | 1.45 | 1.30 |
| 12 T 8213 | $8 \times 17 \times 2$ | 11/2 | 3.25 | 2.92 | 12 T 8306 | 1.70 | 1.53 |
| 12 T 8214 | $8 \times 17 \times 3$ | $11 / 2$ | 3.55 | 3.19 | 12 T8306 | 1.70 | 1.53 |
| 12 T 8215 | $81 / 2 \times 15 \times 3$ | 11/4 | 3.50 | 3.15 | 12 T 8307 | 2.55 | 2.29 |
| 12 T 8216 | $10 \times 12 \times 3$ | $11 / 4$ | 3.15 | 2.83 | 12 T 8308 | 1.65 | 1.48 |
| 12 T 8217 | $10 \times 14 \times 3$ | $11 / 4$ | 3.80 | 3.42 | 12 T8309 | 1.75 | 1.57 |
| 12 T 8218 | 10x17x2 | $11 / 4$ | 3.65 | 3.28 | 12 T 8310 | 1.85 | . 6 |
| 12 T 8219 | $10 \times 17 \times 3 \dagger$ | 17/8 | 4.05 | 3.64 | 12 T 8310 | 1.85 | . 6 |
| 12 T 8220 | $10 \times 17 \times 4 \dagger$ | 2 | 5.15 | 4.63 | 12 T8310 | 1.85 | 1.66 |
| 12 I 8221 | $10 \times 23 \times 34$ | $21 / 2$ | 6.25 | 5.62 | 12 T 8311 | 2.85 | 2.56 |
| 12 I 8222 | $11 \times 17 \times 2 \dagger$ | $17 / 4$ | 3.95 | 3.55 | 12 T 8312 | 2.50 | 2.25 |
| 12 T 8223 | 11×17x3 $\dagger$ | 1 | 4.80 | 4.32 | 12 T 8312 | 2.50 | 2.25 |
| 12 T 8224 | 12x17x2 $\dagger$ | 17/8 | 4.20 | 3.78 | 12 T 8313 | 2.60 | 2.34 |
| 12 I 8225 | 12x17x3 $\dagger$ | 21/6 | 5.05 | 4.54 | 12 T 8313 | 2.60 | . 34 |
| 12 I 8226 | $12 \times 17 \times 4+$ | 27\% | 5.75 | 5.17 | 12 T 8313 | 2.60 | 2.34 |
| 12 T 8227 | $13 \times 17 \times 2$ 1 | 17/3 | 4.40 | 3.96 | 12 T 314 | 2.65 | 2.38 |
| 1278228 | $13 \times 17 \times 3+$ | 21/0 | 5.25 | 4.72 | 12 T 114 | 2.65 | 2.38 |
| 12 I 8229 | $13 \times 17 \times 4 \dagger$ | $21 / 2$ | 6.35 | 5.71 | 12 T 8314 | 2.65 | 2.38 |
| 12 P 8230 | $17 \times 17 \times 4 t$ | 3 | 11.50 | 10.35 | 12 T 8315 | 2.45 | 2.56 |



1. BAKELITE PULL CHAIM CURREMT TAP. Pull chain controls tamp, two side taps are always on. Lamp outlet 250 W , Side raps 660 W 125 V . UL Iisted.
13 P8123
Net .44
BAKELITE CURRENT TAP. Similar to above less pull chain. U.L. Listed.

## 13 T8104

Net .30
2. CANOPY ROTARY SWITCH. Bakelite knob single pole Very shallow. Wire leads. Rated 3 amp . at 125 V . U.L. Listed
13 T8112
Net 30 CANOPY PULL SWITCH. Similar to above with pull chain on /off.
13 T8133 Net. . 44 3. PARALLEL GROUND AOAPTER. Adapts 3 wire tools and appliances to 2 wire AC outlets. 15A. 125V. $33 / 4^{\prime \prime}$ ground lead and lug. with cord clamp. U.L. Listed.
13 T 8115 Net 24 for 2.15 4. RUBBER CUBE TAP. 3 outlets. Unbreak. able one piece soft rubber construction. 13 T 6110 U.L. Listed

Net 32 5. Parallel ground rubeer piug. With cord clamp. U ground Dia, $11 / 2^{\prime \prime}$. $15 \mathrm{amps} ;$ 125 V . U.L. Listed.
13 T8121
Net .54 6. FLEXIBLE RUBBER hanOLE PLUG. Can be used for heavy duty work. 15A. 125 V .
13 T 8107 U.L. Listed. Ea. 10; 10 for 90 7. RUBBER CORD CONNECTOR. With pull handie for extension cords. $11 / 4^{" \prime}$ diameter. With cord clamp. U.L. Listed. 13 T 8114

Net .42

## WEATHERPROOF OUPLEX PLATE



For outdoor AC outlets and switches. Individual "snap" covers. Lock in open position -"snap" shut-seal tight. Rust proof brass plate with aluminum finish, rubber gas. ket and stainiess steel hinge springs. Wt., 8 or.
$13 \mathrm{~T} 8117 . . . . . . . . . . . . ~$

Net 1.69
7. PARALLEL GROUMO RUBBER CONmECTOR. For extension cord, $12 / 2^{*}$ diameter, with cord clamp. UL listed.
13 Y 8134
Net 99
8. BAKELITE EOISON SOCKET ADAPTER. Adapts standard parallel outlet to take standard bulb with Edison Dase. $660 \mathrm{~W}, 125 \mathrm{~V}$. 13 Y 8122 U.L. Listed Net 20 9. BAKELITE PLUG. Sturdy prongs. U.L. List. 13 T 8103 EAS RECEPTACIE. 08 i 10 for .72 10. ChASSIS AC RECEPTACLE. Mounts from top or bottom. Mtg. centers $1 \% / \mathrm{m}^{\prime \prime}$. U.L. Listed. 15A. 125VAC/DC. Solder terminals. 13 T 0904
11. 3. Way SURFACE OUTLET. Brown Pin Type 13. 1 os04
11. 3.WAY SURFACE OUTLET. Brown Pin Type terminals, wood screw. U.L. Listed.
13 T 8106 Ea. 22; 10 for 1.98 12. BAKELITE FLAT CORO CONMECTOR. TWO piece cord connector; $10 \mathrm{Amp} ., 125 \mathrm{~V}$.
1378108 U.L. Listed ............... 42 13. JIFFY PUSH PULL PLUG. Attaches in 5 seconds without any tools. Spring prongs. Brown. U.L. Listed.
1378113 Ea, 12; 10 for 1.10 14. INSULATEO STAPLES, NO. 5. $1 / 4^{*} \times 5 / 8^{\prime \prime}$. 13 T 8109 -Package of $100 \ldots$ Net 31 15. CUBE TAP EXTENSION. Trio tap, 9 ft . rubber cord. AC plug. Brown. U.L. Listed. 13 T8111 ......................................... 62 16. $4^{\prime \prime}$ PORCELIIN PULL RECEPTACLE WITH OUTLET. Also usable as $314^{\prime \prime}$ size. Lampholder 250 W . outlet 15 A ., 125 V . With mtg. screws, cord.
13 T 8135
Net .79

## AC LINE CORD

## $a-3+30$

6-ft. fine-quality, zip cord is an ideal replacement for worn line cords in lamps, radios, small appliances, etc. Sturdy plug at one end; other end stripped and tinned. Shpg. wt.. 5 or.
Shps. wt.
12 T 3901

# LAFAYETTE Wireless Remote Control 

For Lamps, T.V., Hi-Fi, Household Appliances For 2 Channel Operation

- A Lafayette Exclusive
- Turns Lights and Appliances On and Off From Anywhere In Your Home-By Remote Control
- Simply Plúg Appliances In and Operate
- Use Two Separate Zones of Operation

Lafayette wireless remote control permits remote operation of electrical devices in two separate areas from anywhere in your home or shop. Simply plug in the transmitter and place the receivers at remote locations, also plugged in. The switches on the transmitter will turn any appliance plugged into the receivers on or off. Perfect for operating appliances, lamos, viewing TV. or listenIng to hi-fl in bed. Transmitter and receivers operate on standard house current. Receivers accept any 105 to 120 volt device up to 500 watts per channel. Supplied with dual channel transmitter and one receiver for channel A. Imported. Shpg. wt., $11 / 4 \mathrm{lb}$.
99 T 9193 Dual Channel Transmitter and Recelver
Nat 19.95
9919194 Channel 8 Recelver Net 10.95
99 T 9195 Extra 2 channel Transmitter Net 9.95 SINGLE CHANNEL WIRELESS REMOTE CONTROL UNIT Similar unit as above but for single channel operation of appliances up to 300 watts. Shpg. wt., $1 / 2 \mathrm{lb}$.
99 T 9118 Complete Transmitter \& Receiving Unit _......Net 14.95 99 T 9122 Extra Recelver 99 19178 Extra Transmitter Niet 5.95


## WIRELESS REMOTE CONTROL SWITCH

- Use To Turn On and Off Lamps, Fans, HiFi, TV. And Radios From Chair or Bed
- Use From Car To Open and Close Garage Door
- Operates At A Distance Un To 40 Feet
"Microsonic Beam" switches On/Oft any appliance in the home. A touch of the button on the wireless transmitter switches $T V$, hi-fi, lamps, radios, fans or other electrical devices $\mathrm{On} / \mathrm{OH}$ up to 40 feet away. Consists of a Teleswitch (miniature recelver), and a Telewand (miniature transmitter). Instalis In seconds... ust plug the AC cord from the appliance you wish to control into the Teleswitch socket. then plug the AC cord from the feleswltch Into any 110.120 V ., 60 cycle AC wall outlet. For use with up to 7.5 Amps . 860 Watts. Telewand operates on 9 V battery. Shpg. wt., $11 / 2 \mathrm{lbs}$.


## 12 T 8701

Het 19.95 9916021 Battery for above. Ext. Telewand for above less battery. 12 it a702 Shpg. wt., $1 / 2 \mathrm{tb}$.

Het 21

## PHOTO-ELECTRIC LIGHT CONTROL

- Easily Installs In Light Fixtures-Post Lanterns-Etc.
Now! Electronically protect your home in minutes.-. photo electronic "Lamp Liter" automatically turns lights on at dush, off at dawn. Easily installs in driveway post ianterns: yard lights around swimming pools; patios, and gardens; or, in expose mounted knochout type switch boxes. Built-in time delay prevents accidental switching from auto headiamps or flashing lights. UL com. ponent listed for 120 volts 800 watts maximum. size: $2 \mathrm{H} \times 1 \mathrm{~W} \times 2^{1 / 4}-\mathrm{D}$. Shpg. wt., $1 / 2 \mathrm{to}$. 13 T 6450


## $5^{95}$



## AUTOMATIC OUTDOOR LAMPLIGHTER CONTROL

- Turns Lights On At Dusk/ Off At Dawn Automatically
- Easily Screws Into Fixture Socket

Heips prevent burglary . . . vandalism accident by turning on ait your outdoor lights at home, store, office, factory, signs, etc. It's cordess. Screws into any standard or floodilght socket. Compact, requires only $21 / 4^{\prime \prime}$ of additional clearance in fixture. Weather resistant. 300 watts. U.L. Iisted. Shpp. wt, 1 lb .
${ }_{12} \mathrm{~T} 2850$. 116
Net 4.95


Depend on Lafayette For Ever!thing in Electronics

## AUTOMATIC PHOTO-ELECTRIC



## ILLUMINATOR

only $3^{95}$

- Automatic Light Switch
- Lights On At Sunset-

Off At Sunrise


Photo-electronic, light-sensitive switch turns lights on and off at dusk and dawn. You need never come home to a darkened house. Just plug it in for protection from prowlers-illuminate outdoor areas-any place you requilre automatic illumination. Measures only $3 y / 4-22 / 2-21 / 4^{-}$. Use on 117 -volt AC only. Maximum 300 watts lamp load Instruction Included. Imported. Shpg. wt., 1 lb. 99 T 9084

Net 3.95
LAFAYETTE 1000 WATT PHOTO-ELECTRIC LIGHT CONTROL

## - Turns Lights On At Sunset Off At Sunrise

- Automatic Light Switch

Only
$6^{95}$
Automatically switches on house, office, or store lights at sunset and of at sunrise. Great for vacation time, or dally use. No need to come home 10 a dark house at night. Helps keep burglars away. No special wiring necessary-just plug into wall socket and plug lamp into jack. 1000 watt capability permits use of several standard lights-will brilliantly light an entire house. Brass finish illuminator measures only $3^{\circ \prime}$ in diameter. Supplied with a 6 ft . cord. Wt. 1 ib . 12 T 0102 $\qquad$

# High Intensity Lamps 




- Continuous Variable Intensity

Now you can vary your light continuously from a soft glow that is dimmer than a night light to a brilliant. glare-free, white light equivalent to 150 watts of Illumination. Slide switch turns light on or off without disturbing dial setting. Telescoping arm extends to $15^{\circ \prime}$; shade swivels $360^{\circ}$. The lamp can be hung on a wall by using keyhole slot on base. Unit folds down to only $31 / 4 \times 91 / 4^{\prime \prime}$. Sand finish. For $120 \mathrm{v}, 60$ cycles, AC. Uses GE No. 1129 bulb (in. cluded). Ship. wt., $11 / 2$ ibs. 13 T8131 Net 12.95

HI-LOW HIGH INTENSITY LAMP

$3^{95}$


- Hi-Low-Off Selector Switch
- Rugged Construction
- Sleek Modern Styling!

Ideal for desk or wall mounting. Lamp shade turns in any direction, giving an ample uniform, non-glare beam of light. Sturdy hinged arm extends to 14 inches, folds flat against a hi-impact base. Hi-Lo-Off switch plus 6 ft . Cord. Gold finish lamp shade and arms; ivery base. Uses 193 bulb, supplied. 117 volts, $50 / 60$ cycles. 12 T 2550 Imporied. Shpg. wt., 2 lbs.

Net 3.95


HIGH INTENSITY DESK LAMP - Adjustable Folding Chrome Arms

- High and Low Control Switch

All metal construction, transformer powered high intenslty lamp with high and low control switch. Extremely versatile and fully adjustable folding arm in polished chrome finish. Maximum heirht $19^{-1}$ - when closed $31 / 2^{\prime \prime H} \times 121 / 2^{\prime \prime}$. Sturdy black metal base. Uses high output 1156 bulb supplied. 12 T 1603 Shpg. wt., $31 / 2$ lbs.

Net 9.95

## REPLACEMENT HIGH INTENSITY BULBS

Popular replacement bulbs for most high intensity lamps. Avg. shpg. wt., 3 oz.

| Stock No. | Type No. | Qty. | Net |
| :---: | :---: | :---: | :---: |
| 12 T 7550 | 93 | 2 | .55 |
| 12 T 7551 | 93 Dayight | 2 | .69 |
| 12 T 7552 | 1133 | 2 | .65 |
| 12 T 7553 | 40511 N | 1 | .65 |
| 12 T 7554 | 1073 | 2 | .65 |
| 32 T 6671 | 1156 | 1 | .47 |
| 32 T 6647 | 1129 | 1 | .32 |



- Spring Control Keeps Perfect Balance
- Swings - Swivels Stretches
- 24" Arm Reach - Air. Cooled Shade
Directs light where it's needed. A gentie tap glides the light to any position and holds it. Specially designed shade stays cool. 117 volt, long. life 40511 N bulb. Smartly designed base is weighted for stability. U.L. listed. Charcoal color. Shpg. wt., 8 tbs.
12 T 6954
Net 14.95


Fig. A. An attractive all metal fluorescent lamp with combination solid/gooseneck support finished in chrome. Brown metal base with push button light control
perfect for study, office or den. Translucent white plastic diffuser for maximum light dispersal includes 14 -watt, $15^{\circ}$, cool fluorescent buib. Streamifine design complements any room decor, 14 inches high by 15 inches wide. Provides illumination anywhere on your work or reading surface. 12 T 1602 Imported. Shpg. wt., $41 / 2$ lbs.

Net 5.95
Fig. B. Solldiy constructed lamp is ideal for students of all ages. Durable enough to withstand full time use in office. Industry or home. Triple plated, polished chrome flexible arm permits desired level of pure white fluorescent lighting. Separate on/off pushbutton switches for instant operation. Cool operating transformer. With $7 . \mathrm{ft}$. cord and molded plug. With two, 15 -watt fluorescent bulbs. Attractive bronze finish. 12 inches high and 18 inches wide. For 117 VAC operation.
12 T 6602 Shpg. wt., 6 lbs
Net 12.95

# Do Home-Office-Shop Lamps 


$24^{45}$
$33^{65}$ $24^{\circ 9}$

## (A]

## Deluxe INCANDESCENT LAMP

Model L8-1A. Designed for use wherever work areas must $b=$ well Illuminated. Non-friction, spring-balanced design permits easy positioning, and keeps lamp permanently in place. Can be ralsed or lowered, swivels $360^{\circ}$, and has $45^{\prime \prime}$ reach. Dual-shade construction reduces heat and maintains new lamp performance. Easily clamps to edge of table or desk. Dove gray finish. Accepts standard bulb. U.L. listed. Less bulb.

12 T 6955 W Shpg. wt., 54/2 lbs. ........................................ Net 17.50

## [C] Deluxe FLUORESCENT MAGNIFIER LAMP

Model LFM-1A. Designed for assembly and inspection of miniature parts, reading numbers and fine print. Spring balanced design; the lightest touch guides the light to any fixed position users hands are left completely free. $5^{\prime \prime}$ magnifler; $360^{\circ}$ swivel; reaches 25 to $45^{\circ \prime}$. Constructed with precision ground lens and die cast aluminum shade. Dove gray. "C" clamp mtg. U.L. listed. 12 I 6957 w Less Bulb. Shpg. wt., 9 lbs.

Net 33.95 12 T 750122 watt, cool white fluorescent lamp

Net 2.99

## [

## Deluxe COMBINATION INCANDESCENT

 and FLUORESCENTModel LC-1A. Ideal for use in any office or home where maximum lighting efficiency is necessary. Separate switches independently control each light. Spring-controlled, counter balanced arm:
"finger-touch", "stay put" positioning; can be raised or lowered, rotates $360^{\circ}$ extends $45^{\prime}$ " " C " clamp mig. bracket. Handsome dove gray finish. U.L. listed. Less buibs.
12 T 6956 w shpg. wt., 8 lbs.
Net 24.95
Nel 2.99

## [b] Deluxe FLUORESCENT DESK LAMP

Model FL-1A Dual-light fluorescent desk lamp with uniquely designed shade and inner reflector to produce maximum, non-giare, lighting. Spring-balanced extension arms permit smooth, easy adjustment. Has two button starter switch, and top quality ballast for quiet operation. $45^{\prime \prime}$ reach, $360^{\circ}$ sweep. Includes " $C$ " clamp mig bracket. Beautiful desert tan. UL Ilsted.
12 T 6958 w Less bulbs. Shpg. wt., $91 / 2 \mathrm{lbs}$.
Net 24.95
12 T 750122 watt. cool white fluorescent lamp
12 T 100215 watt, cool white lamp. (2-required) ..... Net ea. 99

## FLUORESCENT MAGNIFYING LAMP as oom as $21^{50}$

- 5" Diameter Lens

Designed for precision work. features a $5^{\prime \prime \prime}$ diameter magnifying glass with a powerful $13^{\prime \prime}$ focus, surrounded by a 22 watt shadowfree fluorescent tube. A custom-engineered arm permits complete directional mobility -special adjustment knobs insure the
 proper tension and steadiness for any desired position. 45" arm reach. Ideal for assembly, laboratory, quality control and other detail work. In kit or assembled form. Shpg. wt., 8 tbs. 12 T 6952 W Kit, less lamp 12 T 6953 W Assembled tess lamp 19, 22-watt, cool white lamp 12'T7501

## FLUORESCENT MAGNIFYING LAMP



- 5"Lens with $13^{\prime \prime}$ Focus

The perfect lamp for the hoobyist who needs plenty of light and magnification for close precision work. The flexible, gooseneck arm adjusts and holds the lamp in the position you want. Five inch diameter magnifying glass; overall length about $21 / 2$ feet. Sturdy, clamp-mount base. Uses 22 -watt circline fluorescent lamp.
less Lamp. Shpg. wt. 6 ibs.
12 T 1004
Net 18.95
T9, 22.watt, cool white lamp 12 T 7501

Net. 2.99

## ALL PURPOSE $17^{405}$

Ideal for factory benches, tables and drafting boards. Two bolts clamp base securely to any surface up to $3^{\circ \prime}$ thick. Spring-controlled swivel joints and double arm action give you light In any desired position. Arm extends $36^{\circ \prime}$. Uses two T8, 15-W lamps. For $110-125 \mathrm{~V}$., 60 cycles $A C$. Bronze finish.
12 T 1001 w Less lamps. Shpg. wt., 10 lbs. $\qquad$ Net 17.95
12 T 1002 T8, 15-watt, cool white lamp Net ea. . 99

# LAFAYETTE CLAMP.TYPE "DRAFTING LAMP" 



- Spring Control
- Extends to $45^{-1}$

Perfect illimination where you need itmoves up, down, sideways at your lightest touch, and stays exactly where you put it. From a central position, the $45^{\prime \prime}$ arm reach can swing to llluminate any area on a desk or table, six feet long and four feet wide. Sleek all-metal construction with versatile $3^{\prime \prime \prime}$ throat edge clamp. Uses standard bulb (not incluced). Available in easy-to-assemble kit form or completely assembled.
12 T 6950 W Kit. Shpg. wt., 5 lbs.. Net 11.50 12 T 6951v Assembled ............... Net 13.50


- Spring Controlled Swivel Joints
- Extends To 30 Inches
- Perfect Illumination Anywhere
A deluxe lamp from Lafayette for perfect, illumination wherever you require it. Ideal for benches, tables, and drafting boards. Clamps securely to any surface up to $3^{\prime \prime}$ thick. Spring controlied swivel joints and double arm action moves light in any direction. Arm extends to $30^{\circ}$. Neutral color. For $110-125 \mathrm{~V}, 60$ cycles AC , less bulb. Imported. Shipg. wt., 9 lbs.
99 T 9077
Net 7.95
Lafayette Cat. No. 690327


An all-purpose lamp with "C" clamp for easy installation on any table or desk. Adjusts with a touch. Lamp swivels full $360^{\circ}$. has $25^{\prime \prime}$ reach. $7 \mathrm{Hx} 7^{\prime \prime} \mathrm{W}$ shade is ventilated and provides glare-free light. Clamp has felt pad to protect finish. Black enamel and aluminum trim. 6 ft . cord. For $117 v ., 50 / 60$ cycle AC. Imported. 99 I 9184 Shpg. wt., 3 lbs.

Net 9.95

## CORDOMATIC

 HANDY LIGHT

As Low As
$7^{95}$
Retracts automatically
Provides light and power up to 20 feet from installation. Swivels $180^{\circ}$ when wall mount ed- $360^{\circ}$ when ceiling mounted. Detaches easily to change location. Simply hang it up and plug it in. Eliminates the inconvenience and hazards of tangled cords. U.L. listed. 13 T 8302 Shpg. wt., 5 lbs. 7.95 3-Wire Lite. As above but with 3 -wire cord and plug.

Net 9.95


## TROUBLE LAMPS

as low as
$1^{69}$

- 2 Side Outlets
- Heavy Rubber Construction

Heavy-duty vinyi plastic insulation: all copper wire. Flip-Lak care eliminates removal for re-lamp. Uses standard lamp. Heavy rubber handle with 2 side tool-tap outlets, on/off switch. Shag. wt., 2 los.
12 T $760150-\mathrm{ft}$. Lamp
Net 2.39
12 I 7652 25-ft. Lamp
Net 1.69

## FLUORESCENT trouble light


$5^{59}$

The ideal trouble light with 20 feet of cord. All plastic construction with tight fit end caps-shock proof and water proof. Cool burning without glare or shadow. Butyrate bulb shield; fluorescent bulb.
1214450 Shpg. wt., 2 tbs.
Net 5.59
Modern styled lamp that's ideally suited in any area of the home where cool, bright light is required. Counterbalanced extension arm can be raised or lowered at a touch, has $15^{\prime \prime}$ reach. With weighted felt bottom base to protect furniture finish. Ivory finish, gold trim. 6-ft. line cord. For 117 v 50/60 cycles, AC. Imported
99 T 9183 Shpg. wt., $54 / 2$ lbs. ........ Net 7.95

## INDOOR-OUTDOOR

 EXTENSION CORDS- 2.Wire and 3-Wire

16 Gauge

- Molded Connectors

Use indoors and out, with power tools, refrigerators, mowers, fans, etc. All are 16 gauge, 3 cond. cords have 3 prong plug. * 2-conductor $\$ 3$-conductor.

| Stock No. | Feet | Amp. | Shpe. Wh. | Net |
| :---: | :---: | :---: | :---: | :---: |
| $12 \mathrm{I}^{2501}$ | 25 ft . | 7 amp . | 2 lbs . | 1.75 |
| 12 T 1501 * | 50 ft . | 5 amp. | 3 lbs . | 2.99 |
| 12 T3402* | 100 ft . | 5 amp. | 3 lbs . | 5.50 |
| 12 T 3403 $\dagger$ | 25 ft . | 10 amp . | $11 / 2 \mathrm{lbs}$. | 2.89 |
| 12 T $2502+$ | 50 ft . | 7 amp . | $21 / 4 \mathrm{lbs}$. | 4.49 |
| 12 T 3404 $\dagger$ | 100 ft . | 5 mmp . | $31 / 2 \mathrm{lbs}$ | 7.95 |

## LOUVRE NITE LITE \& RECEPTACLE

Flush-mount, combination night Ight and receptacle box without sacrificing the convenience of an electrical outlet. On-off rotary switch. Modern, one-plece louvered bakelite faceplate ( $41 / 2 \times 23 / 4$ ). Ample 6 -watt lamp. U.L. and CSA listed. Shpg. wt., 40 oz . 12 T 1400 ....... Net 1.99 32 广 6667 Replacement Lamp Net .21
CONVERTIBLE GROUND PLUG


Convertible plug fits all wall outlets-2 or 3hole. Grounding blade is locked firmly in place until intentionally deflected by depressing the blade-latch button. UL tested and listed for use on all hand held tools and appliances. Patented-Safe-Convenient. Made of impact resistant phenol, with nylon shell. 12 T 4501

## Electrical Accessories <br> LAFAYETTE DESK LAMP <br> EXTENSION FLUORESCENT WALL LAMP

- Scissors Type Extension
- Complete with Wall Bracket and Hardware

A smartly styled wall-lamp for use in the den, office, shop, even the living room. Wall bracket swivels $180^{\circ}$ horizontally and the arm extends to 24"-enough light in any direction over a large area. Arm closed is $15^{\prime \prime}$. Adjustable shade. Arm, wall mounting brackets and screws are brass-plated. Uses a 22-watt circline fluorescent tube. UL Listed. Shpg. wt., 4 lbs.
12 T 1006 Less Lamp
Net 9.95
19. 22 -watt, Cool White lamp. wt. 6 oz

12 T 7501
Net 2.99


## GIANT PATIO LAMP

 all aluminum tarnish reflector mounted in double swive clamp on base. $6^{\prime}$ rubber covered cord and rubber plug. Shpg. wt., 2 lbs
12 ${ }^{1} 2001$
Net 2.25

## TOUCH-A-MATIC NITE-LITE



Goes on and off at a touch-by pushing, flipping and even kicking without stooping or groping when light is plugged into baseboard outlet. vertical design hugs the wall. Shade rotates $360^{\circ}$ for any desired light. All bakelite construction. With $3000-\mathrm{hr}$. bulb. 31/2" long. Shpg. wt., $40 z$. 13 T 8124

Net .59


Ideal as a flire alarm, burglar alarm warning bell. Glves a clear, loud ring to overcome high level background noise. Gleaming chrome-plated bell on a sturdy plastic base. 110 volts: AC. Overall size, $41 / 4^{\prime \prime}$ across and $21 / 4^{\prime \prime}$ deep. Imported. Shpg. wt., 1 lb . 99 1 9023


Net 1.99

## LAFAYETTE ELECTRIC BUZZER



Extra loud buzzer In a metal housing set on heavy plastic base. SIx inch leads. Red metallic finish. For 110 V AC. Overall: $334^{m}$ $\times 23 /{ }^{\prime} W \times 2^{\prime \prime} \mathrm{H}$. Imported. Shpg. wt., 10 oz . 99 T 9024

Net 1.79

# Electronic Dimmers-Electrical Accessories 

## FUSED POWER CONVENIENCE CENTER

Only

- Mounts Any-whereBench, Walls, Floor,
- 6 Fused Outlets Anywhere


Lafayette's power control center adds six, fused convenient outlets anywhere you choose. Designed to mount on walls, floor, benches, counter tops or for portable use. On/Off rocker switches and panel mounted On/Off indicator light. Built-in fused holder with replaceable 15 amp . fuse. Heavy duty 8 -foot line cord. For 120 volts AC, 1500 watts, 15 amps. With Fuse. Imported. 99 T 8209 Shpg. wt., 1 tb. ___ Net 3.95 13 T 1053 Pkg. of 5 fuses for above Net . 81

## 3 WAY POWER CONTROL

2
95


- Individually Switched Outlets With Indicator Lights
Switchable power outtet box for wall or bench mounting. Three Indlvidually controlled outlets, each with its own indicator light. Measures $4 \times 21 / 2 \times 15 /{ }^{\prime \prime}$. Equipped with 3 polarized receptacles, 3 toggle switches. 3 indicator lights, 6 ft . line cord. Rated 5 amps at 125 volts AC/DC. Imported. Shpg. wt., 1 lb .
99 T 8007 $\qquad$ Net 2,45

- Safe, Automatic Electric Service Wherever Needed
Now you can have portable electric power wherever you need it in the home, and outside the house too. Just plug in the cord and carry the portable outlet reel where you want to use it. Cord pulls out to any desired length up to 15 feet ... locks into position... automatically retracts when the reel is not in use. 3-way outlet operates sev. eral appliances at once. Case: $61 / 2^{\prime \prime}$ dia.; $11 / \mathrm{m}^{\mathrm{m}}$ thick. 10 amps. Shpg. wt., 3 lbs
13 TE303
Net 7.95


## CORD STRAIN RELIEFS

Package of 5 rubber cord strain reliefs prevents all standard line cords from pulling loose. Fits $\%$ " holes for permanent or temporary installations. Imported, Shpg. wt., 102. s9 T 6274


## ELECTRIC OUTLET CONTROL CENTER



- For Use in Home, $5^{49}$ Office, Industry
 - Mount on Bench or Walls, or Keep Portable

If you need extra outlets, you need this Electric Outlet Control Center. Has six individual outtets with its own built-in fuse box. Finger-touch control on-off rocker switch with jeweled on-off indicator panel light. Heavy duty line cord for use in the home, office and industry too. Complete with mounting screws for permanent installation on wall or bench. or use it as a portable control center. For $110 / 120$ V AC/DC. 1500 watts, 15 amps. Less fuse. Imported. Shpr. wt., 1 lb .
$\qquad$ 14 T 2103

Net 5.49
13 T 1170 Box of 510 -amp fuses Net .39 13 T 1171 gox of $5 \mathbf{1 5}$ amp fuses _ Net . 39


- With Circuit Breakers
- For Home, Workshop, Industry

Convenient, heavy-duty power where you want it . . . when you want it. Panel-mounted pushbutton reset circuit breaker; tough neoprene cord-set; steel case finished in sil. ver gray textured hammertone. Rated 15 amps. 130 V continuous duty. Size: ${ }^{131 / 216 x}$ $21 / 2 \times 15^{\prime \prime}{ }^{\prime \prime}: 123 / /^{\prime \prime} \mathrm{mtg}$. centers. 3 -wire outlet has $10-\mathrm{ft}$. cord; 2 wire with $6-\mathrm{ft}$. cord. UL listed. Shpg. WL. $21 / 2 \mathrm{lbs}$.
(a) ImDIVIDUALLY SWITCHEO OUTLETS. 4 on. off switches control 4 outlets.
12 T 6753 2.Wire Outlets $\qquad$ Net 6.95 12 T 6754 3-Wire Outiets Net 9.50
(8) SINGLE ON-OFF SWITCH. Controls 6 AC outlets. Bright pilot light. 12 T 6751 2-Wire Outlets $\qquad$ Net 6.95 12 T 6752 3-Wire Outlits $\qquad$ Net 9.50


A must for use in areas having a limited number of outlets. Permits the use of as many as 8 different appliances at one time. Easy to tnstall or use unmounted. Rated at 1000 watts. Ivory colored tough plastic 12" long by $1^{\prime \prime}$ square. Four foot heavy cord and plug. Shpg. wt., $11 / 2 \mathrm{ibs}$.
1214701
Net 1.69
Same as above but 2 feet long. Net 2.69

LAFAYETTE ELECTRONIC LIGHT DIMMER CONTROL SALE!


- Full Range-Total Darkness To Maximum Brightness
- 600 Watts Capacity
- Sets the Light Mood In Any Room
Enjoy modern lighting in any room in your home or office. Soft light for TV viewing, bright light for reading or working. Easy to use, dimming is continuous from off to full illumination. Push on or off at any light level. Fits into standard single gang wall box without rewiring. Ivory plastic knob has brass finish insert. For 120 volts. 60 cy cles AC. Operates incandescent lamps to 600 watt capacity. Shpg. wt., 1 lb . 12 T 0101

Net 5.95
PORTABLE LAMP DIMMER


- Use With Any Incandescent Lamp
- Dial From Total Darkness To Full Brightness
- 350-Watt Capacity

Dial the exact Intensity of light desired. Create a light mood in any room in your home. Full-wave feature allows continuous dimming of any light load up to 350 -watts. Efficient electronic circuit saves you money _ pay only for the light you use. With cord and special plug/receptacle. For 120 VAC. Gold Color.
13 T 2756 Shpg. wt., 1 lb. Net 8.95

## LAFAYETIE APPLIANCE REMOTE CONTROL

\author{

- with 10 ft . Cord
}


## $99^{\circ}$



Turn any 110 volt appliance on and off without getting up from your chair or bed. Control your TV, radio, hi-fi, lamp, fan, appliance, movie projector, tape recorder, phonograph. etc. Nothing to connect-just plug it in. Easy fingertip control with handy In-out push switch. Long 10 -foot cord makes it ideal for TV viewing when you're confined to bed. Imported. Capacity- 250 watts. Shpg. wt., $1 / 2 \mathrm{lb}$.
99 I 8069
Net .99

# Lighting Fixtures-Chimes - Exhaust Fans 

## (A) DECORATIVE ENCLOSED CIRCLINE FIXTURE



UNOER-CABINET FLUORESCENT LAMP
 work counters. White ribbed anti-glare diffuser. Bulit-in AC outlet. Push-button switch. With cord, plug, 15 watt bulb and easy-mount hard ware, White finish. $18^{\prime \prime}$ long. Imported. Shpg. wt., 3 tbs.
12 T 6603
5.95
"THE WELCOME"
2-NOTE ELECTRIC DOOR CHIME


> Provincial White with Gold Leaf Trim
> 439

Contemporary design, blends well with any decor. Rich resonant tones: two-notes front door, one-note rear. Provincial white case, brushed brass plate and gold leaf trim. Installation instructions included. $43 / 4 \mathrm{Hx}$ $71 / 6 \times 23 / \mathrm{B}^{\prime \prime} \mathrm{D}$. Shpg. wt. $11 / 2 \mathrm{lbs}$.
12 T 4850
$5^{95}$
> - Complete with Bulb - Convenient AC Outlet

Net 4.39

Rapid start surface mounting fluorescent fixture. Includes 1.40 watt and 1-32 watt circline lamp. Custom appearance - smooth white opal plastic diffuser is handsomely formed in a bottom pattern of nine shallow diamonds for excellent light diffusion and is easily removable for relamping. U.L. listed. Size: $18 \times 18^{\prime \prime}$. Shpg. wt., 14 lbs.
12 T 7061 B Baked white enamel housing
Net 19.95
12 T 7062 W simulated walnut grain housing
Net 21.95

## (B) STRIP LIGHT FIXTURE

Attractive, steel frame fluorescent fixture. Baked white enamel finish. Completely whed ready for easy installation. *Rapid start type. With tubes and starters. UL listed. For 110-125V., AC.

| Stock No. | Watts | No. Bulbs | Length | Wt., Lbs. | Net |
| :--- | :--- | :--- | :---: | :---: | :---: |
| 12 T 7054 | 20 | 1 | $25^{\prime \prime \prime}$ | 3 | 3.98 |
| 12 T 7055w | $40^{\circ}$ | 1 | $49^{\prime \prime}$ | 7 | 6.50 |
| 12 T 7056w | $80^{\circ}$ | $2 \times 40$ | $48^{\prime \prime}$ | 18 | 10.95 |

## (C) 80-WATT UTILITY REFLECTOR FIXTURE

Versatile fixture for recreation room, workshop or garage, Baked white enamel reflector with grey enamel exterior. Rapid start. In. cludes two 40 -watt tubes, 6 ft . 3.wire power cord and pull.chain On/Off switch. UL listed. For $110-125 V$., AC. Size: $48 L \times 12 W \times 5^{\prime \prime} D$. 12 T 7059W Shpg, wt., 15 lbs.

Net 12.95

## 2-LIGHT 80-WATT REFLECTOR FIXTURE

Similar to above, less power cord and pull chain switch. With bulbs. U.L. listed.

12 T 7060W Shpg. wt., 15 lbs
Net 11.95

## $8^{50 \text { FLUORESCENT LIGHT }}$ with SHELF

- Choice of White or Walnut with Bulb

Luxury, indirect lighting combined with handy shelf space. Holds up to 85 Jbs. safely. Shelf is a full $7^{\prime \prime}$ deep and $18^{\prime \prime}$ wide. Ribbed anti-glare diffuser. Push-button switch. AC outlet. Has cord and plug, 15-watt bulb and easy-mount hardware. Imported. Shpg. wt., 5 lbs. 12 T 6604W White finish

Net 8.50 12 T 6605W Wainut finish

Net 8.50
"THE COSMOPOLITAN" 2-NOTE ELECTRIC DDOR CHIME


- Ivory Gold Leaf Trim - Gold Resonating Tubes
A universal design for all areas of the home. With handsome gold resonating side tubes. Soft Ivory plastic cover with gold leaf trim. Two-notes front door, one-note rear door. Installation instructions included. $71 / 2 \mathrm{Hx}$ $7 \mathrm{~W} \times 2 \frac{518 \mathrm{D}}{}$. Shpg-, wt., 2 lbs.


## CHIME ACCESSORIES <br> 

(G) POLISHEO BRASS LIGNTEO PUSH BUTTOM. Surface mount, equipped with miniature electric bulb. No special wiring required. 12 T 4852 For 6 to 16V. Wt., 4 o2. Net 1.49 (H) "COLONIAL" LIGHTEO PUSH BUTTON. Solid polished cast brass with lighted push button center. No special wiring required. 12 T 4853 Wt., 1 lb. $\qquad$ Net 1.99
(l) "QUICK MOUNT" SIGNAL TRANSFORMER for bells buzzers, chimes. Thermal Switch prevents overload. Rated $16 \mathrm{v} ., 10 \mathrm{~W}$. 12 T 4854 UL listed. Wi., 4 oz ..... Net 2.95


- 1500 RPM- 160 Cubic Feet Per Minute
- $43 / 4^{\prime \prime}$ Diameter Intake $3^{\prime \prime} \times 31 / 4$ " Output
- Complete With

Fixed Mounting Studs

> Heavy Duty centrifugal blower usable in many applications-air distribution in confined areas, exhaust fumes and gas, etc. Suitable for ventilation equipment in home, marine, and commercial use. Provides efficient quiet operation. 10" A.C. leads for 115 VAC . 60 CDS. .64 Amp. Shpg. wt., 8 Jbs. 12 T 5403
> ONLY 95

## PROGRESS CEILING or WALL FAN



## Only $9^{95}$

- Ideal for Bathroom, Utility or Recreation Room
- Attractive Aluminum Grille

Utility ventilating fan of compact design. Fits in "problem" areas such as shallow ceilings and partitions. Quiet operation with a big $6^{\prime \prime}$, four blade fan with 60 cfm capacity Vents to standard $3^{\prime \prime}$ round duct, built-in plaster frame and outlet box. Has removable aluminum grille and automatic back-draft damper. Fits between $2^{\prime \prime} \times 4^{\prime \prime}$ studding. Size: $105 / 8 \times 9 \times 31 / s^{\prime \prime} \mathrm{H}$.
12 T 7555 Shpg. Wt., $6 \mathrm{~V} / 4 \mathrm{lbs}$. UL. listed.

# Flashlights-Lanterns-Fire Extinguishers 

## GULTON RECHARGEABLE SPORTSTER LANTERN

## 16 95

## - Sealed Beam Light

Never buy batteries again with this smartly styled, rechargeable sportsmen's lantern. Sealed beam light provides a bright 7000 candlepower. its long distance beam is ideal for hunting, camping. boating (it floats!) or any other outdoor ac-
 tivities. Features an adjustable handle that locks in any position. Handsomely finished in navy blue with silver trim. Sportmen's Lantern operates on 4 permanent nickel cadmium batteries with 110 VAC charging built right in. Size: $31 / 4 \times 7 \times 51 / 4{ }^{\text {" }}$. Shpg. wt ${ }^{2}$ lbs. 14 T 1452 $\qquad$

## DELUXE RECHARGEABLE FLASHLIGHT

Slim, handsomely styied, flashlight with strong spotlight beam. Never needs batteries Works on two long lasting nickel cadmium power cells. Just remove cap and plug into any 110 V AC wall outlet for a few hours. Smartly sized, tapered body fits in purse, travel bag or brief case. Length $51 / 2{ }^{\prime \prime}$; lens diameter $21 / 4^{\prime \prime}$.
12 T 6404 Shpg. wt., 1 lb. $\qquad$ Net 5.99 32 T 6603 PR-4 Repl. Bulb $\qquad$ Net .20

## RECHARGEABLE FLASHLIGHT

Never needs batteries-ready for use. Recharge in standard home 110 V AC outtet. Utilizes long lasting nickel cadmium power cells. Handsome shock resistant plastic case includes magnifying lens for brilliant light. Easily fits pocket or purse, handy and comfortable to hold. Size: $51 / 4 \mathcal{L}^{2 \prime 2}$ W. Shpg. wt., 1 lb . 12 T6402 _._._._ Net 3.99 32 T 6634223 Redl. Bulb $\qquad$ Net .20

## 6.CELL HIGH INTENSITY LANTERN

Powerful high-intensity lantern features penetrating, long-range sealed beam, and automatic safety blinker. Waterproof, unbreakable case with sure.grip handle makes it perfect for the outdoorsman. for boat owners . . . It floats! Uses 6 D cells. 12 T 6406 Shpg. $w t ., 14 / 2$ lbs. $\qquad$ Net 3.49 Batteries for above ( 6 req.) 99 Tr 6256 $\qquad$ Net .15

## LENK INSTANT FIRE EXTINGUISHER

- You Can't Afford To Be Without One!
Extinguishes all types of fires safely and quickly. Electrical-oil--grease-etc. A must in the shop - home - auto - boat - camp - office. Full control valve - turns on and off. Includes mounting bracket. Shpg. wt., 2 lbs.
13 Y 5905 Lenk 72
Net 1.69


## FIRE/BURGLAR ALARM

Combination Unit With Heat Sensor And Window Or Door Switch


Compact portable unit (only $21 / 2 \times 51 / 2{ }^{\prime \prime}$ ). Your travelling companion - be protected in motel or hotel from fire or intrusion. Attractive ivary finish. Shpg. wt., 1 lb.
14 T 3850 Less Batteries


99 T 6256 Batteries (2 required) Net ea. . 15

## BURGESS SAFARI LITE FLUORESCENT LIGHT SAFE-BRIGHT- <br> - AC or Battery Operation <br> - Hi-Lo Switch <br> 

Efficient battery powered light weighs only a compact 9 lbs. yet delivers plenty of bright light for use in tents, trallers, boats, patios, etc. Especially useful during emergencies. Two light levels are provided for brilliant or low intensity Illumination. Operates on batteries for only pennies per hour. Built-in 110 volt circuit permits use with standard AC current. Attractive polystyrene case and handle complemented with gleaming stainless steel trim. Size: $12 \% / 4 \times 4 W \times 7 \% / 40 \mathrm{D}$. With batteries. 13 T 8056 Shps. wt. 6 lbs. $\qquad$ Extra batteries for above ( 2 required). Wt. ea., $11 / 2$ lbs. 32 T 3906
12 T 1007 F8T5CW Replacement Bulb

## DELUXE POWERHEAD LANTERN WITH EVEREADY BATTERY

Extra large power beam from big $43 / \mathrm{a}^{\text {" }}$ head. for motorlsts, home owners, sportsmen, campers. 6-position warning blinker arm telescopes into contour handle. Separate switches; gleaming chrome, sturdy steel construction. With bulbs and \#731 Eveready battery.
12 T 6405 Shpg. wt., 6 lbs.
Net 4.95

## GIANT 3 CELL FLASHLIGHT

 With big searchlight head. Bright chrome finish on seamiess aluminum barrel. Throws strong, illumination beam. 3position slide switch. Imported.12 T 6401 Wt., 1 tb. $\qquad$ Net 1.39
Batteries for above ( 3 required). 99 T 6256 Ea. . 15

## GULTON "STANDBY" LIGHT

Plugs into any ordinary AC outlet When electricity falls the "standby" goes on illuminating lts area with a powerful beam. Eliminates many problems encountered because of sudden darkness. Powered by rechargeable nickel-cadmium batteries. "Standby" incorporates its own built-in recharger. Always ready for emergencies. You never buy batteries again. May be used as an extra powerful flashilght when and where you need it. Shpg. wt., $11 / 2$ lbs.
14 T 1451
_ Net 7.95


JET ACTION HYDRO-PUMP FIRE EXTINGUISHER


- New Satety From Fire Damage for Auto-Home-Boat - Complete with Wall Bracket

Extinguithes olf and grease fires, chemical fires. electrical fires, wood, paper, and
 plastic fires. Chemically smothers fires in seconds that water esnnot control. Just aim and pump. Put a unit wherever a fire is likely to start. keep one ready in your kitchen, basement. bedrooms, and car. Complete with "QuickDisengage" wall mounting bracket and hard. ware. Imported. Shpg. wt., 2 lbs.
14 T 21 C 6

## 2314 LB. DRY CHEMICAL

 FIRE EXTINGUISHER- $23 / 4 \mathrm{lb}$. Capacity
- Rated 6 B:C Coast Guard, ICC, Marine Testing Institute and UL Approved
- Built-in Pressure Indicator

Powerful 23/4 lb. pressurized extinguisher meets marine and other requirements. Simple, low cost recharging. Easy onehand operation. Built-in pressure indicator can be read at glance. Non-toxic dry chemical ure fabrics etc Tamper-proof lock $t$ in isted Rated 6 B.C Corrosion resistant con struction. $14 \mathrm{H} \times 3^{\prime \prime}$ diam. Shpg. wt., 5 lbs 13 T 4504 $\qquad$
DISPOSABLE RECHARGE CYLINDER: Recharges extinguisher in minutes. Shpg. wt., 4 lbs. 13 T 4505


# LVL-UV Log-Periodic Antennas <br> FOR VHF-UHF-FMSTEREO 




VHF to 175 Miles UHF to 90 Miles FM to 95 Miles


VHF to 125 Miles UHF to 65 Miles FM to 70 Miles
(C)
$14^{95}$
VHF to 100 Miles UHF to 60 Miles FM to 65 Miles


## 28 ELEMENT "EXTREME FRINGE" ANTENNA

Range in miles up to: VHF to 175, UHF to 90, FM to 95. 28 Elements 13 for VHF/FM. 15 for UHF. Has $1^{\prime \prime}$ square 15 ft . boom with twin brace boom supports. Shpg. wt., 15 los.
18 T 0180 WX $\$ 5$ Monthly $\qquad$ Net 32.95
[B] 18 ELEMENT "FRINGE" ANTENNA
Range in milles up to: VHF to 125, UHF to 65, FM to 70.18 elements 7 for VHF/FM, 11 for UHF. Has $1^{\prime \prime}$ square $10^{\prime} 1^{\prime \prime}$ boom. 18 T 0182 WX Shpg. wt., 9 lbs.

Net 20.95
C 12 ELEMENT "SUBURBAN" ANTENNA
Range in miles up to: VHF to 100, UHF to 60, FM to 65.12 elements, 5 for VHF/FM. 7 for UHF. Has $1^{\prime \prime \prime}$ square $4^{\circ} 8^{\prime \prime}$ boom. Shpe. Wt., 7 los. 18 T 0183 WX

Net 14.95
[0] 10 ELEMENT "METROPOLITAN" ANTENNA
Range in miles Up to: VHF to 60 . UHF to 30. FM to 35. 10 elements, 3 for VHF/FM. 7 for UHF. Has $1^{\prime \prime}$ square $30^{\circ}$ boom. Shipg. wt., 5 lbs.
OUTDOOR/INDOOR 75-300 OHM MATCHING TRANSFORMERS

As Low As
49 - With Croves Color Reception


Coaxial cable matching transformers for instaliling TV and FM antennas. For use with noise-freè 72 ohm coax cable. Imported. (A) OUTOOOR - Matches 300 ohm antenna to 75 ohm coax. Mounting bracket, fittings.
9954027 Shpg. wt., $1 / 2 \mathrm{lb}$.__ Net 1.79 (B) INDOOR-Matches 75 ohm coax downlead to 300 ohm TV set, with fittings. 99 T 402 shog . Wt. $1 / 2 \mathrm{lb}$. Nef 1.49 75-OHM RG-59U LOW-LOSS CABLE WITH CONNECTORS.
18 T 5807 50, Shpg. wt., $11 / 2$ lbs. Net 4.95 18 I $58087^{7 \prime}$ Shpg. wt., $21 / 4$ lbs. Net 6.49 18 T $5809100^{\prime}$ Shpg. wt., 3 lbs. -Net 7.95


Receives sharp, clear pictures on all
VHF, UHF Television channels plus
FM/stereo. Features sturdy all-aluminum construction, dual high band directors, single downlead, snap-open assembly, and golden. lzed finish. Supplied complete with UHF.VHF resistive splitter. 18 T 0206 W Shpg. wt., 4 los.

## TWIN-BOOM VHF-UHF-FM/Stereo Log-Periodics Antennas


-DELUXE FEATURES-


Lafayette deluxe alt-purpose twin boom three-in-one antennas for VHF, UHF, FM/ STEREO. New frequency independent design permits all blements to work together on both low and high bands for maximum front-to-back ratio and high do gain. Extra long up to $110^{\circ}$ reinforced aluminum VHF dipoles with wide band "cap-electronic" elements operate on both fundamental and harmonic modes. The result is an increased number of working elements producing maximum gain and directivity to bring sharpness and color brilliance to your screen. Disc-on-Rod
director system reínforces performance of planar-grid UHF driver on low end of UHF band. It's log-perlodic dipoles step-up gain, flatten response, and narrows beamwidth. On channels 14 to 83. Improved impedance match obtained by unique twin boom construction which combines mechanical rigidity with superior electrical performance. Utilizes single 300 -ohm downlead. Rugged quality construction boasts $1^{-1}$ twin booms, heavy duty insulators, rust resistant hardware and lasting goldenized finish. Supplled complete with splitter to separate VHF, UHF, and FM signals.

## NEW!

24 ELEMENT
$27^{95}$
VHF - To 150 Miles UHF-To 80 Miles FM -TO 85 milles

## LVL-LOG-PERIODIC ANTENNAS FOR VHF-UHF FM STEREO

## OUR "HIGH POWER" ALLCHAMNEL (2-13) *LAFAYETTE "VECTOR-LOG" SWEPT-ELEMENT ANTENNA DESIGNED FOR VHF-TV AND FOR DYNAMIC FM

 - For Color or Black-White Pictures... Plus FM- Excellent Front-to-Back Ratio . . . High ob Gain
- Sharp-Narrow Gadin Pattern and Selectivity
- Flat TV Color Response-Plus FM Signal
- Protective Goldenized Finish
$28^{95}$
18 ELEMENTS

Lafayette's powerful, revolutionary LVL "-designed specifically for (VHF) true-to-life color reception plus black and white. Also reaches out to Full in static-free FM and stereo FM signals. Five models to choose from for ldeal performance. Offers such exceptional quality teatures as: Heavy aluminum reinforced insulator cups heavy duty aluminum rivets-special back-up brackets and square boom! Triple thick combination sleeved elements assure great ruggedness. Double contact drive line and air-insulated spacers provide maximum signal delivery to set. Less mast and twin lead. "With boom brace support.

| Stock Mo. | Range | Elements | Boem Length | Shpg. Wt. | Mot |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | up to 75 miles | $5$ |  | 5 fbs . |  |
| 18 T 0186wX | up to 100 miles | $7$ | $6^{\prime 11}$ | 7 lbs. | $12.95$ |
| 18 T0187wx | up to 140 miles | 10 | 9* ${ }^{\prime \prime}$ | 10 lbs. | 17.95 |
| $\text { 18 J } 0188 w x$ | up to 175 miles | $15 *$ | 12* ${ }^{-}$ | 13 tos. | 23.95 |
| 18 T 0189wx | up to 200 miles | $18 *$ | $14^{\circ} 4^{\prime \prime}$ | 16 lbs. | 28.95 |

39 ELEMENT "ULTRA-FRINGE" ANTENNA Range in miles up to: VHF to 200, UHF to

100, FM to 110 - Has heavy-duty 1 - square 14" 8" "twin-boom" and boom brace sup. port. Shpg. wt., 18 lbs.
18 T 0208wX $\$ 5$ Monthly
$\qquad$ Net 41.95
24 ELEMENT "DEEP-FRINGE" ANIENNA Range in miles up to: VHF to 150 . UHF to 80. FM to 85 - Has heavy-duty $\mathbf{1}^{-}$square 12" "Twin-Boom." Shpg. wt., 12 lbs. 18 T0207WX

FM To 110 Miles

## OUR BEST ANTENNA

39 ELEMENJ $41^{95}$<br>VHF - To 200 Miles UHF-To 100 miles<br>39 ELEMENJ

## LAFAYETTE "Fringe Area" Antenna Outfits

## - 20.40 FT. MAST • WITH OR WITHOUT FAMOUS ALLIANCE ROTATOR • FINEST COMPONENTS



## INSTALLATION ACCESSORIES

Deluxe Antenna Outfits feature Lafayette "Deep-Fringe" Log.Periodic Antennas. (See pages 332 and 333 for listing of antennas). Chosen by experts to meet the most demand. ing reception problems-each kit contains pre-selected high-gain antenna, telescoping mast of heavy gauge galvanized steel, plus all components in kit " $A$ " which includes a universal base mount, lightning arrestor, $50^{\circ}$ ground wire, $3.71 / 2^{\prime \prime}$ mast standoffs, $5.31 / 2^{\prime \prime}$ wood screw standoffs, 5 -guy hooks, 5 turn. buckle, ground rod. $200^{\circ}$ guy wire supplied with $20^{\circ}$ outfits; $500^{\circ}$ supplied with 40 out fits. $100^{\circ}$ twin lead supplied with all outfits except 82 channel VHF.UHF.FM outfits get $100^{\circ}$ of tubular iwin lead. Optional Automatic Rotor package (Kit " $B$ ") includesAlliance U. 100 Automatic Rotor, thrust bear. ing, additional $10^{\circ}$ antenna mast, $100^{\circ}$ of rotor cable. With instructions for top quality installation. Kits shipped express only.

KIT A


3 Mast Standoffs

5 Turnbuckles


Alliance U. 100 Automatic Rotor



## SAVE WHEN YOU BUY COMPLETE ANTENNA OUTFIT

Nothing else to buy. Avallable with or without automatic rotor. Buylng a kit gives you substantial savings over the total catalog price of individual components if purchased separately.
"ULTRA-FRINGE" VHF-UHF-FM ANTENNA OUTFITS


## PRIME AREA VHF ANTENNAS

- Excelient for Metropolitan Areas
- Rugged Aluminum Construction



## (A) INLINE FOLOED DIPOLE

ideal metropolitan and suburban antenna kit. Efficient folded dipole design. Broad band, uni-directional response. Perfect impedance match results in reduced stray reflections and ghosts. Shog. wt. 4 Ibs.
18 T 0107W
Net 3.79

## [B SINGLE BAY CONICAL

All aluminum 8 element conical. Provides top quality reception on channels 2 to 13 . Full slzed. Rugged insulator block. Fan front of 6 full length elements. Easy to assemble. Shpg. wt., 4 lbs.
18 T 0146W
Net 2.49

## [C] VEE-BEAM

Popular primary area antenna - covers channel 2 to 13 . Provides excellent gain. especially on the high band. Sharply directional pick.up pattern glves steady, clear pictures. Utilizes rugged aluminum construction. Lightweight, very easy to install. Less mast and 300 ohm twin line. Shog. wt. 4 lbs. 18 T 0136 W

Net 2.69

## CONICAL WINDOW ANTENNA



- More Antenna for Less Space
- All Aluminum Construction


## (A) VHF MODEL

Contains 4 full-sized elements plus 2 high frequency dipoles. Ideal for apartment bulid. ing, hotels etc., or wherever roof 100 installations are impractlcal but necessary for the greater gain which is provided by a good outdoor antenna. Complete with all mounting hardware, less 300 ohm twin lead. Base spans up to $44^{\prime \prime}$. Shpg. wt. 3 lbs.
18 T D138W

$$
-\cdots+\cdots \quad 0
$$

VHF/UHF MODEI
Same as VHF model plus 8 element UHF sec Sam.
18 T 0164W
18 T 0139 Extension bar to 60"
Net 8.39 Net 1.49
Net 1.89

# Super Color 'Tenna <br> FOR VHF - UHF AND FM/STEREO COMPLETE WITH VHF/UHF/FM SIGNAL SPLITTER 

- For Color and Black and White
- Protected 'Goldenized Finish
- Completely Pre-Assembled Snap Open Design
- Easy To Install, Just One Down Lead

26 Element super color antenna with high gain providing fringe area reception on all VHF/UHF/FM channels. High front-to-back ratio minimizes co-channel Interference. Rugged aluminum harness, with rust-proof clips dellver maximum signal to set. Includes VHF/UFF/FM signal splitter. Requires only one down-lead. Range: 26 element, up to 140 miles VHF, 90 miles FM, 60 miles UHF. Boom length $105^{\circ}$ with aluminum boom support. 18 T0163WX Shpg. wt., $81 / 2 \mathrm{lb}$.

Net 22.95
18 ELEMENT super color antenna. Same as above except range up to 100 miles VHF, 75 miles FM, 50 miles UHF. Boom length $85^{*}$ less boom support
18 T of 62wx Shpg. wt., $61 / 2$ lbs
Net 17.95

## FAMOUS COLOR 'TENNA

## $14^{95}$

- For VHF-FM Reception
- Range: Up To 125 Miles
- For Color and Black-White


Twelve twindriven elements work with carefully tuned, phased and spaced directors and reflectors to extend flat high gain response across entire VHF band. Cuts out ghosis and unwanted signals. Rugged reinforced aluminum elements and brackets stand up under most severe wind and ice loading. $100 \%$ preassembled for easy installation. Less mast, lead in. Shpg. wt., 7 lbs. 18 T 0101wX Net 14.95
"Star Fire"'Tm COLOR ANTENNA

- For VHF-UHF-FM Reception
- With VHF-UHF Signal Splitter
- Range Up To: $\mathrm{VHF}-60$ Miles UHF- 35 Miles FM -30 Miles


Eleven element high gain antenna provides VHF-UHF \& FM reception with one downlead. Separate folded dipoles on low and high bands assure greatest power with constant 300 ohm impedance match. Sturdily constructed 68" boom. Completely pre-assembled-just snap open to instail. Goldenized finish resists corrosion. 18 T 0197 Wx Shpg. wt., 5 lbs.

Net 9.95

## 20 ELEMENT STACKED <br> SNAP OPEN CONICAL TV ANTENNA



- For VHF-Reception
- Range To 50 Miles
- All AluminumGoldenized Finish

Best antenna deal yet for service man dealer and Installation speciallsts. All the most wanted features. Quickest, easiest Instaltation
 passible. No loose hardware. Alt elements snap open and lock in without tools. Most efficient conical design frr all reception areas. Two complete bays with 0 bars, less mast. Shpg. wt., 8 tbs. 18 T0105wx

## 18 ELements $17^{95}$

## SUPER COLOR 'TENNA <br> FOR VHF-FM STEREO

## $19^{95}$

- For Deep Fringe Reception
- Range Up To: 175 Miles
- For Color \& Black and White


##  <br> $22^{95}$

 brace support.

Field proven design for fringe reception. Goldenized finish to combat corrosion. Compound yagi array to "suck-in" signals where other designs fail. "Tension-lok" hardware. Heavy wall fubing throughout. Snap-open design. Fiberglas-Insulators, Less Mast. Shpg. wt., $81 / 2 \mathrm{lbs}$. 10 T0104wx

## POWER BEAM VHF ANTENNA



The ideal metropolitan and suburban VHF TV antenna. Broad-band, sharply directive. Fulf tength elements, all aluminum construction, famous in-line design. 300 -ohm impedance match reduces stray reflections and ghosts. Fiberglass insulators for maximum strength and weather protection. Less mount and lead-in. Shpg. wt.. 6 lbs. 18 T 0102WX


# Super Colortron Antennas by Winegard 



- One Downlead
- Exclusive Winegard Built-in Cartridge Housing
- Powerful 82 Channel Reception -Color and Black/White

Extremely high uniform gain for VHF-UHF-FM reception. Five deluxe models with pin-point directivity-highest front-to-back ratios for sharpest, clearest color and black/white. Exclusive impedance correlators allow each model to be $20 \%$ more compact, easier to install and less wind loading. Features vertical resonant UHF reflectors for much higher UHF gain. FM control elements allow user to peak antenna for extra long distance FM and FM stereo. Exclusive built-in cartridge housing holds 300 ohm terminat board (included) for weathertight downlead connection. For extra power, use Super Colortron cartridge amplifiers; see listing below.

## As Low As <br> $13^{55}$

## Winegard <br> "SUPER FRINGE" HIGH GAIN 82 CHANNEL SUPER COLORTRON ANTENNA FOR VHF - UHF - FM STEREO

## MAXIMUM UP TO 325 MILES VHF/FM RANGE UP TO 150 MILES UHF

- 54 Working Elements - Ultimate for Color
- Designed For "Deep Fringe" Reception and Black and White - With VHF-UHF Signal Splitter Model SC- 1000 High Gain, 82 Channel Antenna. ProviJes superb color, black/white, and high fidelity fM stereo reception even in deep fringe areas. Attains very high gain with high frant to back ratio and sharp directivity. Impedance correlators provise accurate 300 -hmm impedance for VHF and UHF channels. Features Vertical Beam Phasing on all VHF channels to elliminate signal pickup from above and below the antenna; thereby shutting out interfarence from such common sources as airplanes, autos, and diathermy machines. "Wedge" design offers low wind resistance. 54 working elements of gold anodized, high strength aluminum with an extra strong ellipsodial boom. Also features weather-proof housing for perma. nent protection of downlead connections and optionsl cartridge ampllfier. Incluces behind set signal spiliter. te $16078 \mathrm{Wx} \$ 5$ Monthly. Shipg. Wt, 24 lbs. $\qquad$ Net 62.95
optional Solid state Preamplifiers Load Instantly Into Housing

GOLD ANODIZED

Exclusiver Builtin Cartridge Housing

## MODELS FOR EVERY AREA

| Stock Mo. | Model Mo. | Elements | Boom Length | Shpz. Wt. lbs. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 18 T 6059 VX | SC-83 | 37 | 156" | 15 | 44.07 |
| 18 I 6060w | SC. 82 | 27 | 109" | 101/2 | 34.62 |
| 18 T 6061 wx | SC. 81 | 21 | $81^{\prime \prime}$ |  | 25.17 |
| 18 T 6062 wx | SC-80 | 17 | 64* | $71 / 2$ | 18.67 |
| 18 T 6063 W | - SC-79 | 12 | 44" | 6 | 13.55 |

Solid State Amplifiers For Above Antennas See Listings Below

# Electronic Rotating TV Antennas <br> MONEY BACE GUARANTEE 

If not completely satisfled with any ALL CHANNEL product, refurn at once for full refund, less only transportation charges

## "RIVIERA" UHF-VHF-FM ALL-DIRECTION DOUBLE STACKED COLOR ANTENNA

## SQUARE WAVE" UHF-VHF-FM STEREO ALL-DIRECTION COLOR ANTENNA



- Guaranteed 125 Mile VHF, 30 Mile UHF
- Broadband UHF.VHF and FM, motorless all direction reception
- Receives channel 2.83 from all directions without a rotor
- All aluminum flip-out assembly
- Color Perfected


## $21^{95}$

No Money Down

Perfect for application where color TV or FM multiplex signals are extremely weak due to distance from transmitting antenna and to other receiving conditions. Here is an antenna with only one transmission tine for all VHF-UHF-FM stations in all directions without the use of a motorized rotator. The 12-position selector switch with new built-in UHF-VHF Signal Separator conveniently connected at the set electronically rotates the antenna beam pattern instanfly without physically moving the antenna. Superb gain on channels 2-6 comparable to stacked 10 -element single channel yagis. $16 \% 2^{-}$ doweled aluminum elements are 60 inches long. Complete with switch. $45^{\circ}$ stacking bars and $2-71 / 2^{\prime \prime}$ angle type mast insulators for Polymicalene line listed below. Shpg. wt., 10 lbs.
18 T 1234 w ) Less Mast
Net 21.95
"U-Instalt-It" kit: Includes Riviera antenna, chimney mount, two five ft . masts, 100 ft . of Polymicalene 4 -conductor lead-in wire, 8 stand off insulators and complete instructions.
18 T 1235 Wx Shpg. wt., 16 lbs. $\$ 5$ monthly
Net 33.95

The 16 element Rembrandt Square Wave VHF/UMF/FM antenna with "special adjustable angle heads" makes it possible to adjust the UHF and VHF polar direction receiving patterns to insure best reception in any location. Brings in stations from different directions, strengthens weak channels, and helps clear-up ghosts and snow. The 12-position selector switch, with new buiti-in UHF-VHF signal separator conveniently connected at the set, insures even stronger reception by electronically rotating the antenna beam pattern instantly without physically moving the antenna. Ideal for application where color TV or FM multiplex signals are extremely weak due to distance from transmitting antenna. The 4 special color locking stabilizers eliminate color breathing and fading (due to antenna) and provide for clear sharp color. $16 \times 60^{\prime \prime}$ gold permadized elements mounted in heavy-duty 10 -position insulator blocks, to eliminate antenna drift, are adjustable for best reception pattern. Stainless steef screws and non-ferrous wing nuts for longer life. Complete with 12 position selector switch. 12 lbs.
$11 \mathrm{~T} 1236 \mathrm{WX} \$ 5$ Monthly
Net 36.95

TME "RIVIERA" And "SQUARE WAVE" ANTENNAS MUST BE USED WITH THE LOW LOSS LEAD IN WIRE LISTED BELOW
Special 4 conductors, matched impedance transmission line. Low loss. mica-filled Polymicalene copperweld conductors.


## TV GHOST ELIMINATOR



- Improves Color Reception - Receives From All Directions - Filters Out Interference
- No Installation Problem

Electrically rotates the polar-receiving pattern of your existing antenna and phases the ground wave picked up by the electrical wiring system with the sky wave picked up by the antenna. Improves any existing antenna; indoor, outdoor, master or builli-in. Boosts pich-up power of any antenna-old or new. Just a flich of the selector control tunes out ghosts-filters out interterence--tunes in those "sard-to-get" problem channels. Automatically amplifies TV signal strength for "snow'" free, brighter, clearer pictures. Works on every channel-in any location-with any antenna-for any TV set. No installation problem-simply attach to antenna terminals in bach of TV set-and plug lato 117V AC/DC socket. For Rembrandt guarantee see above. Shpg. wt., 2 ibs.
1071205 In lots of 5 ea.

Net 5.95 Net 5.00

## REMERANDT SELECTOR SWITCH

## - New With Built-in VHF-UHF Signal Splitter

12-Position Switch with hnob to select proper antenna elements for best reception from any direction. Replacement for all "Riviera", "Atlas", and "Square Wave" antennas. Shpg. wt., 2 lbs. 18 T 1237


## TV COLOR COMPUTER

## ${ }^{\text {an }} 12^{95}$

- Instantly Improves The Performance of Any Roof Antenna
"TV Color Computer"-assures you of clearer, sharper, brighter color as well as blach and white picture reception on all VHF-UMF channels from your present room antenna! Simply by setting a dial, the "Color Computer" electronically compensates for weather and atmospheric changes which affect TV signals plus corrects signal mismatching between antenna and TV set. Automaticaliy simplifies color tuning and potentially eliminates annoying ghosts and shadows strengthening picture color, contrast and brightness simul taneously. Easily installed. Attractive styling in walnut or mahogany blends with any room decor. (For Rembrandt Guarantee See Above) Shpg. wt., $11 / 2$ ibs.
1811239 Walnut Net 12.95
13 T 1240 Mahogany
"DOUBLE-DRIVEN" 5 ELEMENT FM ANTENNA
- For Fringe Areas GOLDENIZED
High gain antenna design for the audiophile who seeks perfection in $\|$. FM reception. Extra elements on this antenna serve to pull in sta. tions where others fail. Trouble free operation even under severe weather conditions. The fully automatic snap-lock brackets insure easy, rapid and secure instaflation. Shpg. Wt., 3 lbs. is T 0149wx

FM ANTENNA KIT

- Ready to Install
- Fully Assembled
- All Directional
- 40 Mile Range

Provides excellent gain for areas up to 40 miles from the station. Gold anodized aluminum. Complete with 50 ft . of 300 -ohm twin lead, mast standoff, screw eye standoffs, mast mount.
14 J'0132w Shpg. wt., 5 lbs.
FM ANTENMA ONLY. Shpg. wt., 3 tbs.
IOT 0133W
Net 3.29

## ULTRA-LITE FM ANTENNA



- Perfect for Indoor Concealed Installations
- Solid Rod Elements

Here is the FM antenna you have been walting for. Designed for either outdoor mast or indoor closet/attic installation. Easy to install-no holes to drill. Provides excellent gain for areas up to 35 miles from station. Perfect for multiplex reception. Brings in all stations clearly. Gold corodized finish for weather and corrosion protection. Strong. yet lightweight design. Shpg. wt., 1 lb .
18T0134
Net 2.15
FM Antenna Kit
Same as above, but with kit containing 50 th., 300 ohm line. 3- $31 / 2^{\prime *}$ Stand-offs; $1-742^{-\prime}$ stand-off and 1 mast wrap around stand-off. Shpg. wt., 3 tbs.
18 T0135
Net 3.49


Ideally suited to Multiplex FM reception. This 10 -element doubledriven yagi array has the necessary added gain, sensitivity and directivity to compensate for the lack of signal strength. All-aluminum goldenized construction. Fiberglas insulators. Torsion lock hardware sure-lock mast clamp. Shps. wt., 7 lbs.
18 T 0128wx
Net 10.95

## OMNI-DIRECTIONAL FM ANTENNA




Eliminates the need for two masts on your roof. All direction reception no rotators needed. Double mast mount-rugged, rigid parallel mounting. For use on all masts. Shpg. wt., 3 lbs.
18 TO130w
Net 4.50

FM STEREO-PLEX ANTENNA

- Receives up to 50 Miles In Any Direction
- Goldenized

Model FM-88 Seven-Element StereoPIex FM antenna is the first antenna designed specificaily for Multiplex Stereo FM. An omni-directional antenna with triple the power of crossed dipoles and four times the power of " S " shaped FM antennas. All aluminum construction. Receives from any direction at distances up to 50 miltes from the station. Shpg wt., 4 lbs.
18 T 2402w
Net 8.95


HIGH GAIN BROAD BAND FM ANTENNAS


## ALL DIRECTION FMT-A KIT

- Receives Stations from All Directions
- Gold Corodized

Model FMT-A Mounts on present T.V. mast. An All Direction FM Antenna designed for reception over the entire FM band. Two folded dipoles are matched with a special quarter wave phasing stub for optimum gain and "all direction" padiation pickup pattern. Kit supplied with 50 ft . of 300 ohm twin lead, two mast stand-off insulators, 3 Wood screw-eye stand-off insulators.
stand-off insulators. $31 / 2 \mathrm{lbs}$......... Net 8.37

FM STEREO MODEL FM-4G

- Range Up to 125 Miles
- Gold Corodized

Receive clear, strong signals with this 6 element FM antenna. Geometrically designed to provide 9.6 db gain with twin driven element and impedance control stubs. Extra wide spacing of the six elements results in high front to back ratio (22.5). Square boom for rigid support with locking brackets for notitt elements. Preassembled Shpg. wt., $61 / 2$ lbs. 18 T 302 wwx

Net 15.57

## FM STEREO MODEL FM-5

- Range Up to 175 Miles
- Gold Corodized
- Braced-10 Ft. Square Boom

10 Element deluxe FM antenna using twin drive etements with impedance control "T" match stubs. Db gain of 9.6 for maxlmum reception throughout 88-108 MHz band. Patented fidelity phasing provides 27.1 front to back ratio with 1.25 SWR. Corrosion resistant with gold finish. Sturdy saddle mounting of elements and "box girder" snap out, self aligning brackets are preassembled for easy instaliation. Shpg. wt., 9 lbs. 10 T 3023 wK

Net 22.77

# UHF TV Antennas for Channels $14-83$ 

LAFAYETTE PARABOLIC UHF ANTENNA
Ultimate In Directivity - Rugged Construction Sharp Pictures Even In Fringe Areas

## 7-FT. DEEP FRINGE PARABOLIC ANTENNA

 Range Up To 150 MilesAdvanced 7 ft diameter antenna utilizes a parabolic design to achieve the highest performance characteristics attainable. Multiple element construction has extremely high front-to-back ratio with narrow beam width to help eliminate ghost reflections - especially in fringe areas. All aluminum thick-wall assembly is fitted with vibration dampers for quiet high wind operation. For channels 14 to 83. Impedance: $\mathbf{3 0 0}$ ohms. Shpg. Wt., $131 / 2$ lbs. 18 TO192wx

Net 26.50

## 5-FT. PARABOLIC UHF ANTENNA <br> Range Up To 110 Miles

A 5 foot parabolic antenna which utilizes a single drive broadband driver unit. The high front-to-back ratio elliminates the necessity of reflectors which shadow the center of the field. Signals reaching any part of the parabola are concentrated on the driver mounted at the exact focal point. This selective design provides up to 18.6 db gain. Back of reflector acts as a shield to reduce unwanted and reflected signals. Preassembled for easy installation. Small diameter, rugged elements with vibration dampers limit ice loading. All aluminum with protective Gold Corodized finish. Shpg. wt., $61 / 2$ lbs. 18 T0150

Net 15.95

- Range Up to 50 Miles - Goldenized

For quality UHF reception even In fringe areas. High gain, sharp horizontal and veptical directivity eliminates "ghosts" and "snow." Rugged construction, large reflector screen made of highest grade aluminum tubing. "Fold-open" assembly. "Goldenized" finish for $100 \%$ protection against weather and salt-air deterioration. Shpt wt. 5 lbs. 187 8144W Net 4.15

## 4-BAY BOW-TIE UHF ANTENNA

- Highest Gain on 70 UHF Channels
- Completely Preassembled
- Excellent Directivity
- Flat Response Across Each Channel
- Range Up To 50 Miles

Four bay, UHF bowtie antenna, Exceptionally high (12db) gain - relatively flat across the entire spectrum . . . fully factory as. sembled. Quickest and easiest to install. High efficiency screen grid reflector boosts tront to back ratio. Unique "cross-over" phasing bars - open $V$ elements, Ruggedrigid - corrosion resistant construction. Shipg. wt., 5 lbs.
UHF "TRANSLATOR" 4-BAY ANTENNA
Four bay bow-tie and screen reflector-tuned to the UHF translator frequencies. Average 16 db gain on channels $70-83$. Completely preassembled. Shpg. wt., 5 los.
18 TOt43WX
Net 4.15

## BLONDER-TONGUE "GOLDEN DART"

 UHF ANTENNA - Range Up to 50 Miles
$4^{15}$
No matter what UHF channels serve your area-from 14 to 83-the Dart delivers a sharp, clean pattern on every channel. Utilizes the logarithmic-periodic principle which is the modern approach to UHF TV antenna design. Maintains an excellent front-to back ratio (more than 20 db ). An extremely low VSWR prevents ghosts and smears. Completely preassembled, nothing to snap out, no screws to tighten. Rugged, unitized welded construction. Shpg. wt., 2 lbs.
18 T 1801
Net 4.15

## VHF-UHF INDOOR ANTENNA



- Separate VHF-UHF Dipoles
- Separate VHF-UHF Leads

Pulls in superb pictures on all 82 channels. Brass-plated twin-bowties screened for im. proved UHF gain and directivity. 4-section chromed brass dipoles give high quality VHF reception. Separate 300 ohm VHF and UHF twin-leads. Tip-reststant, rubber-cushioned stand. Shor. wt., 2 tbs.
11 T 3907
Net 5.49


UHF INDOOR ANTENNA $3^{7}$ 75

- Attractive "Bow Tie" Design
Decorator designed to blend perfectly with any interior. Black "bow ties" are sharply set off by the attractive golden grid. Provides excellent UHF reception; minimizes snow and ghosts; attaches to back of any TV set; uses $\mathbf{3 0 0}$-ohm lead-In wire. Shpg. wt., 2 lbs.
18 T 6324
Net 3.75
 with electronically tuned brass-plated trapezoid dipoles. Frequency-inde. pendent design pulls in extremely strong signal on all channels 14 to 83. Sharp unidirectional beamwidth removes snow, rejects ghosts and interference. Unusually fow VSWR, 300 -ohm twin tead. Tip resistant, rubber cushloned stand. Shpe- wt., 3 lbs 18 T 3860

Net 4.95


# Add Channels 14-83 To Your 12 Channel TV Set BLONDER KTONGUE 

MODEL BTX-99B



MODEL BTX-11A UHF CONVERTER/AMPLIFIER.

MODEL BTD-44A

$13^{20}$

- All Channel-All Transistor
- Ideal for Good Signal Areas
- Drift Free! Distortion Free!

Keep abreasl with the new look In IV programing. If your present television has been dated by modern UHF reception, modernize your TV and allow for future expansion. Adds all UHF channels (14-83) to your TV set. Ideal for prime signal areas up to 20 miles from the station, and in many areas can perform well using only an indoor antenna. Low molse. solld state circuit meets critical needs of good color TV reception. Rugged, reliable patented tuner. Fine vernier Hluminated dial for easy tuning. Spliceless, stripless terminals. Complete with UHF loop antenna, connecting cable. For $\$ 10-120 \mathrm{~V}, 60 \mathrm{Mz}$., AC. UL Listed. Shpg. wt., 2 Ibs.

Net 19.85

- All Channel - All Transistor
- Arplifies Signal 3 Times
- Illuminated Dial for Precise Channel Tuning
If you live anywhere within the range of a UHF stat on you can enjoy additional educational and regular programing. This attractive converter adds all UHF channels (14-83) to your present TV. anywhere within the range of a UMF station. Features a new dual speed 100 to I fine vernier and llluminated dial for easy tuning: double tuned UHF input cir cuits and shielded oscillator section for interference-free reception, $A C$ convenience outlet. Complete with UHF 1000 antenna, connect ng cable. Reliable patented tuner; spliceless, stripless terminals. For $\mathbf{1 1 0 - 1 2 0 V}$. 60 Hz AC. UL listed. Shpg. wt., 2 lbs.
- Battery Powered
- Solid State

Converter combines the most modern approach to UHF reception-solio state converter circuitry and cordless power. Troublefree tunnel diode circuit assures maximum reliability. Highly selective luned Rf stage minimizes multiple tuning problems. Receives channels 14 through 83 sharp and clear. Output on channel 5 or 6 . Operates on an ordinary "D" flashlight battery which lasts from 6 to 9 months. 300 ohm balanced input and output. Easy installation. Complete with UHF loop antenna, connecting cable. less battery. Size $63 \times 3 \times 3 \%{ }^{\prime \prime}$. Shpg. wt. 3 lbs.
18 T 1823
Net 13.20
Battery for above (1 req.)
9916256
Netea.

## UHF-Converters

## MODEL U-VERT 100



- All-Transistor and All Channel for Strong Signal Area

This economy UHF converter provides clear. Wh-channel reception in metropolitan areas Aaere you recelve a strong television signal. prets all the UHF channels (14-83) to your plasnot TV set. Unit is housed in a sturdy. expensi, streamilined cabinet that looks like hance the furniture
will actually enon too of the TVance of any room as it sits need is a screwdret. Easy to install-all-you your time; extreniver and a few minutes of Meets all FCC specifity simple to operate. size $8 \times 5 \times 31 / 4^{\prime \prime}$. Operate 3 tions. Overall cabinet 60 Hz ., AC. Underwriters with $\mathbf{1 1 0 - 1 2 0}$ volts. Shog. Wt., $21 / 4 \mathrm{lbs}$. aboratories Listed is T 3031

Not 14.95


- Electronic Circuit for Local and Suburban Reception
- Illuminated Dial for Easy Tuning
A delsxe, all transistor converter featuring a powerful electronic circuit that makes it ideal for use in local as well as suburban areas. Features an exclusive uttra-clear. fine tuninz dlal to insure easiest possible channel selection. Handsomely styled. durable plas. tic cabinet looks "just right", on top of the N tnit-complementing any room decor. Installation is simplified ... the only tool you need is a screwdriver. Uses a sensitive circuit to provide low noise and picture perfect reception. AC convenience outlet. Overall sise $8 \times 5 \times 31 / 4^{\prime \prime}$. Meets all FCC require ments. Operates on $110-120$ volts, 60 Hz . AC. U.L. Listed. Shpg. wt., $21 / 4$ lbs. 18 T 3032

Net 19.80

MODEL U-VERT 300


- UHF Converter/Amplifier
- For Deepest Fringe Reception of UHF

This is a handsome addition to any TV set. but that Is only one virtue. Full power frequency coverage of channels 14.83 are ac. complished by this all solid-state converter. Exact 300 a input and output connections assure a perfect match of your antenna and your $N$ set to the U-Vert 300 . It uses one diode as a mixer, one high-frequency trans. istor as the oscillator and one high-frequency transistor as an amplifier. The transistor amplifier gives up to 15 db measured post signal cooversion gain. The conversion loss prior to amplification is less than 6 db . 8 wide x $31 / 4$ high $\times 5^{\prime \prime}$ deep. $120 \mathrm{~V} \cdot 50 / 60$ Hz AC, UL. Listed. Shpg. wt., 2 lbs. 18 T 3035


## © "COLOR KING" VHF/UHF ANTENNA

- Clear, Sharp Color/B\&W Pictures
- Special Color Control

Deluze indoor antenna for color and black and white reception on all VHF and UHF channels. Perfect pictures insured by color phasing loops and color filter coupled with telescoping arms. 12 position picture correction control with silver plated contacts to clear up annoying "ghosts" and "snow" even in the most difficult reception areas. Separate VHF and UHF transmission lines provides low-loss matched impedance. Attractive styling in walnut or mahogany. Shpg. wt. 4 ibs.
111222 Walnut
10 T 1223 Mahogany
Net 12.95
Net 12.95

## (B) "DELUXE" VHF/UHF ANTENNA

- For Channels 2-83
- For Color, Black and White TV

Indoor $\boldsymbol{T V}$ antenna with $46^{\circ \prime}$ telescoping arms coupled with adjustable radar loops for extra efficient operation in difficult reception areas. 12-position dual control to reject ghosts and orlent antenna to direction of strongest signal. Brass tip balls on telescoping arms eliminate signal losses and static discharge interference. Radar loop principle makes possible clearer and sharper pictures on all channels. Matched impedance with separate leads for VHF and UHF. Attractive, durable plastic base. Shpg. wt., 4 lbs.
18 T 1207 Mahogany
is 11208 Walnut
Net 8.95
L 1

## TV-FM Antenna Amplifiers-Antennas

## RPA NUVISTOR TV BOOSTER $19^{95}$ <br> - High gain-low norse operation <br> - Designed for continuous low <br> 

 cost operation High gain-low noise performance is achieved through the use of two RCA 6CW4 nuvistor triodes. Amplifier provides approximately 13 db gain on channels 2 through 6 . and 11 db gain on channels 7 through 13. This booster will substantially improve TV reception in tringe areas where noise interterence and "snow" are caused by weak signal levels. From one to six additional TV sets may be connected using "directional coupline." Power consumption is approximately 5 watts at $120 \mathrm{VAC}, 60 \mathrm{~Hz}$. Shpg. wt., 2 lbs. 1817504
## 

## INDOOR VHF-UHF-FM CULOR AMPLIFIER

- Intensifies Color
- Clears Up "Ghost". "Snow" And Interierence



## NUVISTOR FM PREAMPLIFIER

$21^{95}$
Nuvistor Cascode FM Pre. amplifier is the iceal so. lution for weak, fading. and noisy FM reception. Extremely easy to install and operate; just connect
 between your existing FM antenna and funer or receiver with 300 onm twin-lead wire. Contains its own power supply and ON/OFF Indicator light and may be placed anywhere near the FM tuner. Once desired station is tuned on FM tuner. the control is also tuned to that station for optimum reception. Greatly helps to eliminate fading and background noise especially inherent in weak FM muttiplex signals. Features two 60SA nuvistors in cascode circuit. Size 53/4x
 Net 21.93

## MAST MOUNTED VHF-UHF-FM COLOR AMPLIFIER

## $25^{50}$

Modet PC-4382CD VHF/UMF/FM Director 3 Transistor Amptifier. improves performance of any VHF/UHF/FM combination antenns using one downlead. Broadband design. 300 ohm input splits to feur 300 ohm outputs with $8 \mathrm{db} g$ ain per output. Network completely isolates each output and prevents interaction. Uiltralow noise silicon "Noverload" transistor circuitry. Improves color reception. Easily mounts In any position on any surface. For $110-120 \mathrm{VAC}, 60 \mathrm{~Hz}$. Size: 5x $31 / 2 \times 13 /{ }^{\circ}$
18 t 3916 Shpg. wt., 2 bbs.
Net 25.50

## JFD EXACT TV REPLACEMENT ANTENNAS




- Gain 20db/Up - Built-in 2-Set Coupler - Uses Low Noise, High Gain Solid-State Circuit. Use With Any Outdoor TV or FM Antenna - AC Isolation Transformer-No Shock Hazard

Improve the performance of any new or existing outdoor TV/FM antenna. Efficient solid-state design utilizes reliable sllicon transistors for more than 20 db gain across the VHF-FM band. Compact, lightweight construction permits mast mounting for maximum transfer of energy. Metal case is weatherproof with built-in lighting-protected circult and high-pass filter which rejects CB and other interference. Separate power supply plugs into any 110 -volt house outlet. No batteries required. Consumes less power than an electric clock. Handles up to 2 TV or FM receivers. Uses standard 300 ohm twinline. Imported. Shipg. wt., 2 lbs. 99 T 4018

Net 21.95

RANGE BOOSTTM TRANSISTORIZED VHF-TV/FM BOOSTER

$12^{95}$


- Gain 12 db - Built-in 3 Set Coupler - Low Noise, High Gain Transistorized Circuit - Use with Any Outdoor IV Color TV or FM Antenna
Add better performance to your existing outdoor TV/FM antenna. Boost reception for B\&W and color TV. plus FM stereo. Solid state design with 1 silicon transistor \& 1 diode permitting a gain on VHF frequencles of better than 12 db on high band, 9 db on low band and 7 db on FM. Compact styling. lightwelght for mounting on mast for greatest transfer of energy. Metal case is weatherproof, Circult protected against lightning. Separate power supply plugs into any 117 volt outlet. Consumes less power than an electric clock. Economical to use where units are in continuous operation. Uses 300 ohm twinline. May be used for 3 sets. Comalete with mounting hardware, instructions. Imported. Shpg. wt., 2 lbs.
99 T 4023
Net 12.95


## TRANSISTORIZED 4-SET VHF-TV/FM BOOSTER



- Amplifies Signals for Top Reception on Up to 4 Sets
- Easy to Connect and Economical to Operate

If your antenna isn't pulling in signals of sufficient strength then this Lafayette Booster Amplifier is just what you need. Screw-on terminals make wire connections easy, no cutting is necessary. Transistor circuit runs cool. draws little current. Signal strength is boosted 3 to 5 times. WIII operate up to 4 TV and of FM sets on the same antenna. Input Impedance is matched to antenna impedance. Heeds no adjustment. Isolated outputs insure maximum set separation. Can be mounted in any convenient location where adequate ventilation is provided. Size $44 / 4 \mathrm{Wxl} / 4 \mathrm{Hx} 31 / 2^{2} \mathrm{D}$. For 117 volts. 60 cps AC. Imported. Shpg. wt. 1 to.
99 T 4011
Net 14.95

## Finco

INDOOR 4-set VHF-TV/FM 800STER-COUPLER

- High Gain 20db Only
- Ideal For Stereo And Monaural FM noise transistorized FM amplifier, designed to reject any strong signals outside the FM band to improve reception of weak FM sig. nals in deep or medium fringe areas, even where strong local signals are present. Shock hazard is eliminated through the use of an Isolation transformer. 300 -ohm input and unique output board will drive 1 or 2, 300 ohm sets. Compact, and easlly mounted on set. baseboard, or wherever desirable. Com. plete unit measures: $11 / 4 \times 4 \times 41 / 2^{\prime \prime}$. 18 T 3042 Shpg. wt., $11 / 2$ los. ...... Net 16.65


## INDOOR 4-set VHF-TV/FM BOOSTER-COUPLER

## - +8 db Gain to

 Each Output

- For Use with Color/

Black and White Plus FM
Madel 65-1, boosts signal strength 8db low band-FM-and high band at each of 4 outputs feeding 4 VHF.TV or FM sets. With low loss splitters can feed 16 or more sets, depending on signal level and line length losses. Easily mounted with hardware provided. Features two 6HAS low noise tubes, 300 ohm input and outputs with stripless terminals. $110 \mathrm{v}, 60$ cps. $6 K_{1} \times 3 \mathrm{~K}_{4} \times 3 \mathrm{~K}_{0}{ }^{\circ}$.
18 T 3038 Shps. wi., $24 / 4$ los. ........ Net 23.97


- 15 DB Gain VHF 8 DB Gain UHF
- For 300-Ohm Systems

Model $\mathbf{m - 2 2}$. Powerful 82 channel amplifier. with 2 silicon transistors and remote power supply provides sharp VHF/UMF/FM color and black and white reception. Die-cast mast mounted amplifier achieves an overall gain of 15 db with minimum nolse and without overloading on stronger signals. Rust and corrosion proof construction. Remote power supply fastens behind the TV set and connects with solderless terminals to accommodate two TV receivers with 300 -ohm twin line. For 110 VAC 60 Hz . Shpg. wt., 2 lbs . 18 T $3045 \$ 5$ Monthly

Net 39.35

# TV-FM Boosters by Winegard 

## VHF-UHF-FM SOLID STATE BOOSTER-COUPLER

- 4.300 OHM Outputs
- Perfect For Ch. 2-83 and FM Home System
- Excellent For Color Because Of


## Uniform Gain <br> - Fine Commercial Quality <br> $25^{15}$

Wodel BC-382 highly efficient TV-FM signal amplifier with overlay silicon transistors and printed circuitry. Delivers full gain on ail 82 channels ( 5 db for VHF, 4.5 for UHF), enough to operate 1, 2, 3, or 4 sets. 15 db isolation between outputs. Low noise ( 6.2 db Jvg., VHF, 11.7 db avg., UHF), cuts snow even in deep fringe areas. Uses existing 300.0 hm downlead to the input and has 4.300 ohm outputs with "no-strip" connections. In enamel steel case with connestors and instructions. 117 VAC. Shoe. wt .. 3 lbs.
1816073
Net 25.15
Model BC.782. Similar to above except for 75 ohms; avg., gain 6.5 do per output.
1016074
Net 28.30

## SOLID STATE VHF-FM 4-SET BOOSTER/COUPLER/AMPLIFIER

- +7.1db Gain To


## Each Of 4.300

Ohm Outputs

- Recommended For Color and Black and WhiteImproves FM Reception
- 75 and 300 -ohm Inputs
$21^{95}$
Model EC-234 makes a good home TV and FM system amplifier, of an amplitied 4 -set coupler. Gain is +7.1 ob at each of the 4.300 ohm outputs or +14 do at the single 75 ohm output. Uses terperature stabte overlay silicon transistors-long life, low cost operstion. Flat response for perfect color reception. No interaction be ween sets. All metal housing. Includes connectors. 117 VAC .
18 I 6075 Shpg. wt., 3 lbs.
Net 21.95 Model BC-274 As above, except with $4-75$ ohm outputs. Avg. gain 4 db per output. With connectors. Shpg. wt., 3 lbs.


## 1815076

Net 25.17
+25 D8 VHF-UHF-FM SOLID-STATE COLOK SYSTEM AMPLIFIER

## $37^{75}$

- Will Drive 10 TV/FM Units
- Use In Motels, Apartments,
Hospitals, Homes


Model 04-825 75-ohm 82-channel high quality color and blazk and white amplifier with 25 do gain. Rugged transistor circuity features silicon transistors in a unique grounded emitter circuit for excellent stability, sensitivity, and ultra low noise figure $\mathbf{5} .1 \mathrm{db}$ VHF, 7 do UHF). Provides 35 dbmv per channel UHF output with 4 channel input operating at $60 \%$ maximum input level. Idzal for home and commercial MATV systems with up to 10 line tap offs. May be used with a single 82 channel antenna or separate WHF-UHF antennas. Has separate inputs for VHF and UHF. Model CS-775 Separ-ator-Joiner recommended for separating VHF-UHF signal Irom a single down lead of a 82 ch . antenna. Compactiy designed in a vented cabinet unit. Complete with coaxial connectors, hardware and built-in 117 VAC power supply.
18 T 6070 Shpg. wt. 3 tbs. 5 Monthly
Net 37.75
SUGGESTED OISTRIBUTION SYSTEM FOR ABCVE

"RED-HEAD 82" VHF-UHF-FM SOLID-STATE AMPLIFIER

- +16db Average Gain Across Band
- For Color and Black and White
- Use with any VHF-UHF-FM Antenna
Model AP. 83300 ohm transistor-
lzed ampllifier gives big signal boost to any 82 channel antenna for beautiful color and black and white reception. No extra wires needed; connects to existing downlead. High signal input assures snow-free receptlon of weak and distant stations. AC isolation transformer-no shock hazard. Protected against lightning, static discharges, or power line surges. Bullt-in hi-pass fliter. With AC power supply. mtg hardware. 117 $V A C, 60 \mathrm{~Hz}$. Shpg. wt., 2 lbs.
18 T 6068 Net 18.88 Model AP-87 As above, but 75 ohm.
 18 T 6069 Net 20.48


## VHF-UHF-FM SOLID STATE 2 SET BOOSTER-COUPLER

- Doubles Input Signal
- Perfect For Color and Black and White
- High Isolation

Between Sets


Model BC- 43 boosts signal on all channels $\mathbf{2 . 8 3}$ plus FM from an 82 channel antenna. 300 ofm transistorized booster coupler de. signed to connect 2 sets using existing downlead. Average gain of 5.25 do to each output amplifies weak signals for snow-free recep. tion. Silicon transistors for stabillty. $300-0 \mathrm{hm}$ input and outputs. No-strio terminals. Polvstyrene case. 117 VAC.
1816071 Shpg. wt., 1 lb.
Net 12.55
Model ec. 87 Similar to above, except with 2.75 ohm outputs. Avg., gain 4.5 do to each output.
is T 6072
Net 13.55
FM SUPERCHARGER

## - Transistorized

- Gives You 8 Times More FM Signal
- Ideal for Stereo and Monaural FM - Easy to Install

Model FM-340. Greatly improves FM and FM stereo reception. Transistorized booster-amplifier adds +17 do gain ( 8 times more signal) to incoming stgnal. Ideal for fringe and deep fringe areas. 300 ohm input and output. Bandpass: $88-108 \mathrm{MHz}$. Operates on $110-120$ VAC 18 t 6064 Shpg. wt. 1 lb .

Net 11.35

## ACCESSORIES FOR DISIRIBUTION SVSTEM

Madel VTF-73-Flush mounting 82 channel variable line tap. Matches 75 ohm input to 300 ohm output. Fits standard wall box-with plug.
10 T col7 Shpg. wt., 6 oz . $\qquad$ Net 2.50
Bakefite Wall Bex-Knockouts top and bottom -
standard size.
18 T 7001 Shpg. wt., 6 oz. Net 79


Model T-203M-Mast mounted 82 channel. Matching Transformer matches 300 ohm antenna to 75 ohm coaxial cable, with connector. 11 I cos1 Shps. wh. $6 \mathbf{0 2}$.

Net 3.10
Model CS-775-75 ohm separator-joiner designed to separate or mix together VHF and UHF TV signals on coaxial lines-with 3 connectors. if I cos2 Shpg. wt., 1/2 Ib.
Model L-E20 82 channel (VHF-UHF.FM) line amplified
2 way splitter. Powered by trunk line from DA-825 amplifier, with 3 connectors.
18 T 6083 Shpg. wt., 10 oz.
Net 15.70
Model Cs-2as-Behind set VHF-UHF signal splitter.
IE T 6050 Shpg wt., 6 oz.
Net 1.89
melet Cs-175-Behind set VHF-UHF signal spilitter and 75-300 ohm matching transformer.
13 t cos 7 Shpg. wt., 6 oz .
Net 3.10
Medel T-293-75-300 ohm back of set matching transformer.
18 T 5020 Shpg . wt. 6 oz . Net 2.05


## 4-SET TV-FM AMPLIFIER /COUPLER

## - Silicon Transistors

- Feeds Up To 4-Sets

Indoor, solid state, 4 -output, 300 ohm VHF/FM indoor powered splitter for VHF channels 2-13 plus FM. Single transistor low noise. more powerful siticon circuitry. Can be used to supply up to 4 N sets. Excellent Isolation between outputs prevents interaction between sets, 300 ohm balanced input and output impedance. All terminals equipped with stripless screws. Size: $3 \times 41 / 8 \times 1$ s/a". For $110.120 \mathrm{VAC}, 60 \mathrm{~Hz}$. 1s T 1835 Shpg. wt., 1 to.

Net 11.97
The Homer-Similar to above except for use with 75 ohm coaxial cable. Provides 5db (typical) gain at each output.

Net 16.50
MAST-MOUNTING VHF-UHF-FM AMPLIFIER

2. Transistor Circuit

- Approved For Color-

Built-in FM Filter Weatherproof all-channel (2-83) ampllifier and remote power supply. Silicon transistors provide peak performance in any location. Will not overload if there are strong locai stations. Dual amplification imcreases signal up to 5 times. Has separate 300 ohm UHF and VHF Inputs and outputs. Provides signal for up to 4 sets. Comes complete with power supply and mounting hardware. $21 \% \mathrm{x}$ $5 \times 37 /{ }^{2}$; Power supply, $47 / 4 \times 31 / 6 \times 13 \%$. 117 vac.
10 T $1809 \$ 5.00$ Monthly
Net 35.25

## MAST-MOUNTING 2-TRANSISTOR VHF/FM AMPLIFIER

## - High Signal To Noise Ratio <br> - Use For 2 TV or FM Sets

Selid state, mast-mounted home TV amplifier with remote power supply. 2.transistor circuit brings in distant and local stations with spartling clarity and no overloading. Built-in 2 set coupler. Pro. vides 17 db gain. Hardware provided. 117 VAC . Size ampliffer: $21 / 0 \mathrm{x}$ $5 \times 37 /{ }^{-}$; Power supply, $47 / 5 \times 31 / 6 \times 37 / 8$ ". Similar appearance to above. Shipg. wt., $1 / 2 \mathrm{lbs}$.
18 T 1810
Net 24.62

## INDOOR TWO-SET UHF/VHF

 TRANSISTORIZED AMPLIFIER- For Single Downlead
- For Two TV Sets
- For Color and Black and White
Brings In weak signals and minimizes overioad from strong local signals, for peak performance in all areas. Bulit-ln 2 -set coupler. Can supply up to 4 sets with additional couplers. Built- In splitter provides excellent impedance match; eliminates interference and provides ghost-free reception. Combined UHF-VHF input; 2-combined UHF-VHF outputs ( 300 ohm ). $117 \mathrm{VAC} .41 / 4 \times 5 \times 24 / 4$. Shpg. Wt., 110 . 18 T 1317

Net 26.85


## MAST-MOUNTED 2-TRANSISTOR UHF AMPLIFIER

- Triples Signal Strength
- Silicon Transistor Circuit Gives Uniform High Gain

Offers maximum $S / N$ ratio to give snow-free pictures; even in difficult fringe areas. Will not overload strong signals. High db gain offers top performance on channeis 14.83. Operates on existing twin-lead antenma wire. Remote power supply works on 117 VAC, 60
Hz . Mounting hardware supplled. Dim.: (ea. Hz. Mounting hardw
unit) $3 \times 41 / 5: 156$.
1et) 1113 Shpg. wt., $11 / 4$ lbs Net 29.65


## ony $16^{75}$

- For Color and Black and White
- For Up To 4-TV Or FM Sets
Indoor 300 ohm amplifier for channels 2.13 plus FM transistoroutput amplifier can supply up to 8 or more IV sets with couplers. Gain: VHF 8 db . Maximum signal to noise ratio for clear strong pictures. Excellent isolation between outputs prevents interaction between sets. Ideal for use in home and small 300 ohm systems.
 Stripless screw terminals, with self.c.
$31 / 4 \times 11 /{ }^{\circ}$ For $110.120 \mathrm{VAC}, 60 \mathrm{~Hz}$. 16 T 1833 shipg. wt., 2 lbs.

Net 16.75

## 4-SET VHF-UHF.FM AMPLIFIER

Similiar to above except for channels 2-83 plus FM. 3.transistor silicon circuitry provides excellent gain aross entire band. Gain: VHF 8 db ; UHF, 60 bb . $110-120 \mathrm{VAC}, 60 \mathrm{Mz}$.
18 I' 1834 '\$5 Monthly
Net 41.42


## MAST-MOUNTED HIGH GAIN

 TV/FM AMPLIFIERNo Money Down

- 28db Minimum on VHF/FM - Solid-State - For Deep-Fringe

Deluxe two-piece mast mounted amplifier for use in the most difficult reception areas. One of the most powerful units avallable for the home. May be used in small hotels, appliance stores, etc. WIII drive up to 50 sets in a properly designed distribution system. May be used as a preamplifier for an HAB or other distribution amplifier. Power is duplexed onto lead connecting ampilfier and Its remote power supply. (Power supply is included with unit). Mast mounted amplifier has 300 ohm input and 75 ohm output. Specs: 28 db minimum gain on all VHF and FM frequencies. Remote Amplf: fier/Power supply mounts anywhere-indoors. Single 75 -ohm input and output. Supplied with coaxial connectors. Size: Mast Mounted Unit- $5 \times 3 \times 3$; indoor Amplifier/Power Supply $8 \times 3 \times 2$. For 117 volts $A C, 60 \mathrm{~Hz}$. Shpg. wt., 3 lbs.
18 T 1837 \$5 Monthly
Net 42.45

## VHF MASTER TV/FM SYSTEM AMPLIFIER



# 44 

62 - Serves Up to 50 TV Sets

- For Homes, TV Showrooms, Schools and Motels - High Gain

Model HAB, low-nolse broadband amplifier for use in larger home systems, motels, appliance stores. High and low band gains are independently variable, providing compensation for different signal strengths and increased system losses at higher frequencles. Will drive up to 50 sets in a properiy designed distribution system. Dual impedance 75 and 300 ohm input and output. Gain controls adjust output to desired level, 25 ob minimum gain on all VHF/FM frequencies. Bandpass of 54.108 MHz and $174-216 \mathrm{MHz}$, Gain control range: $15 \mathrm{do}, \mathrm{ch} .2 .13$ and $\mathrm{FM}_{\mathrm{i}} 15 \mathrm{db}, \mathrm{ch} .7-13$. Noise figure: ch. 2-6, $4 \mathrm{db} ; 7-13,6 \mathrm{db} ;$ FM, 4 db (typical). Max, output (at full gain, across 75 ohms): 0.9 V total low band; 0.6 V high band, for $1 \%$ crossmodulation. 105-120VAC, 60 Hz .
18 I 1808 Shpg. wt., 5 lbs. $\$ 5$ Monthly
Net 44.62
INDOOR 8-SET VHF AMPLIFIER


- 22db Output Isolation
- Built-in Splitter
- 75 Or 300 Ohm

Model OA-8B has bulit-in splitter with 8 fully isolated outputs. Minimum high gain of 10 db from antenna to each output. Choice of 75 or 300 ohm connections at input and outputs. Adjustable gain control adjusts output to desired tevel. Gain control range: 20 db. Uses all triode circuitry. For 105 -120VAC, 60 Hz 9 z $5 \times 5 \frac{1}{2}$. Iliustration similar to above.
18 T 1827 Shpg. wt., 6 lbs. $\$ 5$ Monthly
Net 68.85


- Factory Lubricated for Life
- Reinforced Housing for All Weather Protection
- External Hardware Stainless Steel or Corrosion Resistant Materials
(A) Medel C-225 Automatic Rotor System with Transistorized Control Box. If an indtididual can lift and install nis antenma, this Terna-Rotor will support It, hold it, and rotate It. Accepts masts to $13 \mathbf{"}^{\text {" D.D. }}$. Guy wire aecesses provide secure instaliation. Has patented offset feed thru design for ereater strength to weight patio. Control Case is completely transistorized teaturing a patented phase-sensing bridge circult designed from scientific taboratory test equipment. Completely silent operation and accurate repeatability. Size: Rotator $7 \times \times 41 / 2 \times 8^{-}$. Control Case $61 / 2 \times 414 \times 5^{5} .115 \mathrm{~V} .60 \mathrm{~Hz} \mathrm{AC}, 80$ watts. Uses 5 Cond. Cable. Shpg. Wt., 12 lbs.
10 1 thoiw $\$ 5$ Monthly.
Met 39.97
[B] U-100 Automatic Rotor system, If an individual can lift and install his antenna, this Penna-Rotor will support it, hold it, and rotate It. Accepts masts to $17{ }^{\prime \prime}$ O.D. Guy wire accesses provide secure installation. Control Box fully automatic, just set control knob and antenna rotates to desired position and stops automatically. Indicator shows position of antenna. Has positive mechanical stop at the end of rotation. Sires: Rotator $7 \times 4 \times 1 / 2 \times 8^{\prime \prime}$. Control Case $7 \times 41 / 2 \times 4^{\prime \prime}$ 100 V, 60 Hz AC at 65 watts. Uses 4 Cond. Cable. Shpg. wt., 12 tbs. 18T imedw
- Will Handle the Largest Color TV Antenna In Winds in Excess of 90 M.P.H. Rotation Speed 1 R.P.M.
- Magnetic Brake for Instant Stops with No Drift - Full $360^{\circ}$ Rotation
[C] Medel T-45 Manual Rotor System, Slight pressure on the control bar rotates antenna through its full $360^{\circ}$ cycle and stops at any point by releasing the bar. New patented 5 -wire circuit provides preision system that is unaffected by motor current, cable length and ine voltage variations. Improved electrical system with expanded meter scale, assures pin-point accuracy and easy-to-read antenna direction Indication, 115 Y. 60 Hz AC at 70 watts. Size: Rotator $7 \times 144 / 2 \times 8^{\circ}$. Control Case $6+2 \times 41 / 2 \times 21 / 2^{\prime \prime}$. Uses 5 Cond. Cable.
1818402 w Shpg. wt., 12 ds. $\qquad$ Net 23.0
(D) Model K-22 Manual Roter system. Economy modet-provides instant fingertip control of rotation. Push on end of bar and antenna turns clockwise. Push down on other end and antenna turns counterclockwise. Automatic signal light indicates when limit of travel in elther direction has been reached. Size: Rotator $7 \% \times 54$ axem. Case $5 \times 5 \times 4^{-}$. $115 \mathrm{~V}, 60 \mathrm{HI}, \mathrm{AC}$ at 50 wafts. Uses 4 Cond. Cable. 15 T 1404w Shps. wt., 12 los.

Net 19.37
[E] Trust Bearin! Brachet. Increases stress capacity of antenna rotators up to 300 lbs, and is recommended for staching antennas. Withstands winds up to 90 MPH . Prevents buckling and bending. Shipg. wt , 3 lbs.

Het 2.97

## 1811405 <br> CORNELL DUBILIER ROTORS

## AR-22R AUTOMATIC ROTOR SYSTEM (units 1 \& 2)

Heavy duty rotor will handle antennas up to 150 lbs . Developed from years of experience in the amateur radio field. Completely weatherproof and life lubricated. Simple automatle operation, set the edgeIf dial at the desired position and the rotor will automatically rotate to this position and firmily brake in place. Reversible clamps will accommodate masts from $7 / \mathrm{sm}^{\prime \prime}$ to $\boldsymbol{\gamma}^{\prime \prime} 0.0$. Control unit is marked In compass points. Housed In attractive Black Vinyl steel clad cablnet, dial edze llluminated Comolete with rotor, control unit and instruc. tions. Uses 4 wire cable. For 110/120 Volt, $50-60 \mathrm{~Hz}$ A.C. We. 14 lbs. 42 I
AR-33 SOLID STATE AUTOROTORTM (Units 1 \& 3)

## - Fully Automatic Pushbutton Antenna Rotor

Advanced design, heavy-duty antenna rotor. Control unit features an exclusive $C D E$ patented circuit with five siation pushbution auto. matic control function, plus $360^{\circ}$ compass dial operaticn; pushbutton feature can be pre-set to select any five antenna positions automatically. Quiet operating solid state circuitry includes rugred sillcon transistors protected by an RF bypass provision, heavy-duty relay contacts and thermaliy protected transformer. Unit controls ele conous CDE heavy-duty "Bell" rotor. Use five conduc-or cable. the famous CDE heavy-duty "Bell" rotor. Uses five conduc or cable. For $110 / 120 \mathrm{~V}$., $50 / 60 \mathrm{~Hz}$ AC. Shog. wt., 16 lbs.
42 T 5 siowx $\$ 5$ Monthly
Net 48.95


## CABLES FOR ALLIANCE AND CDR ROTATORS

4 Conductor flat cable. Shpg. wt., 3 lbs, per 100 ft . 32 Y 1910 per 100 ft.

## SLAFAYETTE <br> Couplers <br> TV/FM Couplers, Splitters

COLOR TV/FM SIGNAL SPLITTER


- Low Signal Loss
- For Two Set Operation

Ideal for operating two IV and/or FM receivers from a single antenna. Has low loss and high isolation between sets. Easy to connect with one antenna dawnlead. Supplied with indoar/ outdoor universal mounting, hardware. Imported. Shps. wt., 1/2 ib. 93 T 4019

Net 1.49

## N/FM SPLITER-COUPLER

## - Splits IV and FM Signals From All-Band TV Antenna

## - Low Signal Loss

Splits TV and FM signals with minimum loss to either signal from a single broadband antenna, Also combines separate TV and FM antennas into one lline. Gives complete isolation between sets. For indoor or outdoor mounting. Imported. Shpg. wt. $1 / 2 \mathrm{lb}$. 99 † 4022

Net 2.95

## 4.SET COLOR TV/FM COUPLER

- For Up To 4 TV/FM Sets
- Mounts On Set, Wall or Baseboard

For operation of up to four TV and/or FM sets with a single broadband antenna connection, Gives complete isolation wt. $1 / 2 \mathrm{lb}$.

Net 2.29

TRI-SET ANTENNA COUPLER

- Up to 3 TV's or FM's on One Antenna


Highly efficient 3 set coupler. For coupling 2 or 3 TV or FM sets to one antenna of any type. No interaction-less than 6.0 db insertion loss. 40 to 50 db rejection ratio. Imported. Shipg. wt. 1 tb. 99 T 4010

## UHF/VHF ANTENNA COUPLER




MODEL A-102U/V. An efficient coupler for all UHF/VHF Channels $2-83$ plus FM. Splits signal from single down lead into 2 TV sets each having a single VMF/UHF input. Low loss design makes it ideal for fringe area use. Excellent isolation between sets preuse. Excelient isolation between sets pre-
vents interaction. Patented stainless steel screws are used for rapid secure installation with 300 -ohm twin lead. Sturdy, non break. able plastic case. Shpg. wt., $1 / 2 \mathrm{lb}$. 1) T 1832

TACO N/FM SET COUPLERS

As Low As


MODEL 820.3, Divides television signal from one antenna equalty to feed three separate receivers. Eliminates the need for a separate antenna for the second or third television set. simple instaliation is effected using only a screworiver, Long trouble free performance is assured by using special coll forms and wide spacing of all wiring connections. Good isolation between set ter. minals. Shpg. wt., 8 oz .

## 18 T 3602

- Net 2.29 MODEL 820-2. 2-Set Coupler. Features the same quality engineering, however, designed for use with one antenna and 2 sets. Shipg. wt. 8 oz .

| wt. 802. |
| :--- |
| 10 |

Net 1.05

| VHF-UHF SEPARATOR And GHOST ELIMINATOR |  |
| :---: | :---: |
| 395 - Attenuating Control-No Loss, |  |
|  | - No Mismatch Separate UHF and VHF signals at set while it helps ellimi- |
|  |  |
|  | d areas. Bullitin attenuating control etiminates poor |
|  |  |
|  | Wt. $1 / 2 \mathrm{lb}$.__ Net 3.95 |

## TWO SET COUPLER <br> $59^{\circ}$ <br> 

Use one antenna for two sets. Compact electronic set coupler assures performance of two TV sets on one installation. Easy to connect. Nothing to go wrong. Imported. Shpg. wt., 1 lb .
99 T 4004
Ea. .59
FINCO VHF/UHF/FM COUPLERS/SPLITTERS


MODEL 3001 VHF.UHF-FM 2 SET LOW-LOSS COUPLER. Couples 2 TV sets to 1 antenna. Use where excessive signal loss in the coupler would seriously degrade TV perform. ance Shpg. wt., $1 / 2 \mathrm{lb}$.
18 T 3022 $\qquad$ Net 2.49
MOOEL 3003 VHF-UHF WFM 4 SET LOW-LOSS COUPLER. Up to 4 TV sets to 1 antenna. Low. loss circultry insures minimum signal loss. For use where excessive signal loss would seriously degrade TV performance. Shipg, wt.
10 T 3043 $\qquad$ Net 3.62
MOOEL 3005 VHF-TV FM COUPLER SPLITTER, Provides the necessary combining or splitting of TV and FM signals. Features very low insertion loss conjugate filters. Shpg. wt. $1 / 2 \mathrm{lb}$.
10 † 3017 $\qquad$ Net 4.10
MODEL 3014 UHF-VHF COUPLER-SPIITTER Features conjugate fitter networks and low insertion loss. May be used to couple VHF and UHF antennas so that one 300 -ohm downlead is needed. Also a low loss behind-the. set VHF-UHF signal splltter.
11 T 3044 Shpg. wt., $1 / 2 \mathrm{bb}$. $\qquad$ Net 2.6 b MODEL 3018 LOWHLOSS VHF-UHF-FM SPLIT. TER. Provides for separation of the 3 -signals from a single 300 -ohm down-lead system. 18 T 1020 Shpg. wt., $1 / 2 \mathrm{ib}$. $\qquad$


TV-FM SPLITTERS - COUPLERS - COMBINERS

(5)

- Split Signal Into Separate VHF, UHF, or FM Outputs
- Low Insertion Loss


## VHFIUHF SPLITTER-COUPLER

(1) 2) Model SC20 combines separate VHF and UHF antennas so that only one 300 -ohm downlead is needed. Also splits all-channel signats into separate VHF and UHF outputs. For indoor-or-outdoor use. Shpg. wt., 1 lb. 18 13812

Net 2.05
OELUXE VhF/UHF/FM COMBINER.SPLITTER (1) 2. 2) model sc8o combines 3 separate antennas into a single 300 -ohm downlead. Also splits all-channel FM signals into separate VHF, UHF and FM outputs. Color-approved design. For indoor-or-outdoor use.
1573821 Shpg. wt., 1 lb.
Net 4.77
2-SET YHF/UHF/FM COUPLER-COM日INER (1 2) Model SCA2 couples 2 sets to one VHF/UHF/FM antenna. Also combines any two antennas to a single $300-0 \mathrm{hm}$ downlead. For indoor-outdoor use: Indoor: (Use Model SS83) to split signals for all-channel sets. signal splitter to separate VHF-UHF-FM into separate leads. Use (Model SS-21) signal splitter to sedarate VHF-UHF into separate teads. Shpg. wt., 1 lb.
18 T 3813
Net 2.40
VHF/UNF SIGNAL SPLITTER
(4) Model SS21 splits VHF/UHF signal from all channel single downlead into separate VHF-UHF outputs. Mounts quichly, easily without screws. Shpg. wt., 1 lb . 1373908

Net $\mathbf{2 . 4 0}$

## JFD 75/300 OHM

## MATCHING TRANSFORMER

Model MT-50. Matches 75 ohm coax to 300 ohm antennas or TV sets. Low loss with 1.1:1 SWR. Low phase shift for color TV. No strip terminals for 3002 leads. Screw connections for coax. Complete with indoor/ outdoor mounting hardware. Shpg. wt., $1 / 2$ b. 18 T 3816

Net 2.38

## WINEGARD 75/300 OHM

 MATCHING TRANSFORMER- Includes Coaxial Cable Fitting Model T-283 VHF/UHF. Bach-ol-set Matching Transformer. Low insertion loss ( $1 / 4 \mathrm{db}$ ) matching transformer for attaching 75 ohm coaxial cable to 300 ohm TV set terminals. Low VSWR 1-1:1 over entire $50-250$ MHzband. widh. Shpg. wt., 402. 18 Y 6020

Net 2.05

## BLONDER-TONGUE CABLEMATCH

## - 75-Ohm Coax to 300 -Ohm

 ImpedanceModel 4554 cablematch VHF/UHF indoor matching transformer, especially suited for matehing TV set inputs to a coax distribution system. Match 75.0 hm coaxial cable to 300 ohm input. Connectors: Two spade lugs ( 300 ohms) and a solderless Type Fplug supplied. For RG-59 type cable. $3 \times 2 \times 1^{\prime \prime}$. is T iess Shpg. wt., 6 or. ............ 1.71


- Combine "Separate VHF, UHF, or FM Signals Into Signal Output


## VHF/UHF/FM SPLITTER-COUPLER

(2) Model SCG2 couples 3 sets to one VHF/ UHF/FM antenna. 300 ohm downlead. Use (Model SS-21) signal splitter to separate VHF-UHF into separate leads. Use (Model SS-83) signal splitter to separate VHF-UHF. FM into separate leads. Shpg. wt., 1 tb. 10 T 3014

Net 2.97

## 4-SET VHF/UHF/FM COUPLER

(2) Model SC 12 couples up to 4 sets to a single VHF/U-FF/FM antenna. Universal de sign permits ase with VHF, UHF, all-channel or FM receivers. 300 ohm impedance. Can feed any four-way combination of: 4 VHF sets or 2 VHF and 1 VHF-UHF set. or 2 VHF. UHF sets. Shrg. wt., 1 lb . 18 T 3815

Net 3.30
VHF/UHF/FM SIGNAL SPLITTER
(4) Model SSe3 splits VHF/UHF/FM signal into VHF, UHF and FM outputs. 300 ohm impedance-individual VHF and UHF iwin leads. and FM output. Mounts quickly, easily and rigidly, without sciews. Shipg. wt., 1 lb . 1873909

Net 2.97
2-WAY VHF/FM SPLITTERS/COMBINER
(3) Model SC42.75 splits one 75 ohm VHF/ UHF/FM line into 2.75 -ohm outputs. Also combines tw 75 onm lines into one line. 3 mating plugs supplied. Use $75-300$ ohm matching transformer to convert 75 ohm line to 300 chms. Shpg. wt., 1 to.

- True Color Fidelity-Sharp Black/White-True Fidelity FM


## - No-Strip Terminals

## 4.WAY VHF/UHF/FM SPLITTER

(3) Model SC72.75 splits one 75 ohm VHF/ UHF/FM line into $\mathbf{4 . 7 5}$ ohm lines. Excellent for use in home or master antenna TV sys. tem. Use 75-300 ohm matching transformer to convert 75 ohm line to 300 ohm . May be combined with an (SC42-75) to provide any number of lines. 5 mating plugs supplied. 1073911 Shpg. Wt., 1 lb.

Net 8.70

## FM BANOPASS FILTER ANO TV/FM <br> SPLITTER-COUPLER/COMBINE

(1 2) Model SSTV/FM splits FM signas from TV/FM to FM set-and TV signal to TV set. Ideal for stereo-prevents interference. Can also be used as FM bandpass which will admit clean FM signals only through to the FM tuner. Also can combine TV and FM antennas into a single system. Eliminates all TV, amateur and citirens; band signal pickup by antenna or fransmis. sion line. 300 ohm impedance. Mastmounted hardware supplied. Shpg. wL, 1 lb. 18 T 3912

Net 3.57

## UHF VHF-MATCHING

 TRANSFORMER/SPLITTE(5) Model MT-56 2 -way 75 to 300 ohm matching transformer with separate VHF and UHF outputs, and coaxial cable fitting. IET 3913 Shpg. wt., 1 lb. .............. Net 2.97


## LAFAYETTE OUTDOOR/INDOOR 75-300 OHM MATCHING TRANSFORMERS

- Improves Color Reception

Outdoor

- Includes Coaxial Fittings

As Low As
1
49


Coaxial cable matching transformer for installing TV and FM antennas. For use with noise free $\mathbf{7 2}$-ohm coax cable. Imported (A) Outdoor-Matches 300 ohm antenna to 75 ohm coax. With mounting bracket and fittines.
9974027 Shpg. wt., $1 / 2 \mathrm{lb} . \ldots . .$. Net 1.79 (B) Indoor-Matches 75 ohm coax downlead to 300 ohm TV set. With fittings.

Net 1.45


## JFD COAXIAL CABLE

 MATCHING TRANSFORMER KIT- 75-300 Ohm Impedance
- Maximum Color TV Signal Transfer
- Includes Coaxial Cable Fittings Model MT-si Complete kit of matching trans. formers for installing TV \& FM antennas. For use with noise free 72 ohm coax. cable. Versatife U-bolt mount for outdoor mastsmatches any 300 ohm antenna to $\mathbf{7 2}$ ohm cable. Indoor transformer at set matches the 72 ohm coar to the 300 ohm TV or FM set. Shpg. wt., $1 / 2 \mathrm{tb}$.
18 T 3889 ................................................ 4.95
MATCHING TRANSFORMER KIT


## WITH 3-WAY SPLITTER

Model MT.S9 similar to above except indoor unit has separate VHF/UHF and FM outputs. With Fittings. Shpg. wt., $1 / 2 \mathrm{lb}$. with Fittin
1073914

Net 7.18


# TV Degaussers, Tuner Cleaners, Antenna Switches <br> LAFAYETTE COLOR TV TUNER 

## LAFAYETTE $7^{\prime \prime}$ COLOR TV PURIFIER



## - For Sharp and Clear

 Color Reception Sharpens color reception through demagnetization of the picture tube. Simply turn on the set. plug in the purifier, and with switch depressed rotate unit in front of the TV screen. Use regularly to keed your color reception sharp and clear. Convenient clip for hanging on back of set when not in use. Imported.99 r 4024 Shpg. wt., 1 tb. .... Net 2.49

## WALSCO COLOR TV PURIFIER

- Portable Tube Kaddy Size
- For In-The-Home Servicing
- Color TV Degaussing Coil


Improve the quality of color TV with this portable 7 " DEGAUSSER. Easily demagnetizes tube shield and accessories to eliminate stray colors and purity the picture. Momentary push button switch simplifies operation. You don't need to be a technician to use this little marvel. Shpg. wt., 1 lb . U.L. Iisted 18 r 2402

Net 5.95
PROFESSIONAL DEGAUSSING COIL


- For Color TV Receivers
- Large 13" Diameter Coil

Well sulted for the serviceman or set owner. Heavy-duty degaussing coif demagnetizes and removes stray magnetic flux from color IV chassis and picture tube to achieve color purity. Contains momentary switch to de-energize coil without pulling plug. With 9 ft . cord. Shpg. wt., $24 / 2 \mathrm{Jbs}$. 18 T 8405

Net 18.95

CLEANER - LUBRICANT FOR COLOR AND BLACK AND WHITE TUNERS
Non-flamable, non-toxic, easy to use. Can be applied without removing chassis from the cabinet. Will not harm plastics or electrical insulation, or detune the tuner. Excellent for both color and black and white sets.
16 T0198 Shpg. wt., 8 oz.
Net .99

## TUNER CLEANER-LUBRICANT

- With Injector Needle


## - For Color-Black and White



Super 100. Fast drying, will not harm plastics or electrical insulation. Non-toxic, non-fiamable. Can be sprayed on without removing chassis from cabinet. Contains "anti-static" egent. Will not cause drift or detune tuners.
3 or. spray can. With plastic injector needle.
18 T 3404 Shog. wt., $1 / 2 \mathrm{lb}$. ...........................Net . 19 6 oz . spray can. With steel injector needle. 18 T 3405 Shpg. wt., ilb.

Net 1.95
16 oz. spray can with steel injector needle. 18 T 3406

Wime VOLUME CONTROL


## \& CONTACT CLEANER

- Cleans and Lubricates
- Will Not Harm Plastics

For color and black and white TV, radios, volume controls, band switches, pushbutton assemblies, relays, and electricat contacts. Restores, lubricates, protects, and cleans. Non-toxic and non-flammable. Prevents gumming. Does not change eapacities. 60 oz. spray can with $5^{\circ \prime}$ extender (needle). Shpg. wt., 10 oz. 18 T 4301

## TV SERVICE LITE



Keep your hands free. Spring clamp with rubber covered ends attaches anywhere in TV cabinet. $41 / 4^{\prime \prime \prime}$ highly polished aluminum reflector uses standard 25 watt butb. Complete with 6 ft . cord and plug, less bulb. Shipg. wt., $11 / 2$ lbs. 18 Y 1701

50 PIECE TV KNOB KIT


- Replacements for over $\mathbf{1 5 0 0}$ Different Models
Latest advances in tuner design result in maximum performance, with outstanding frequency stability and precise tuning. Al we 13 position detents. If Video: 45.75 MHz . IF Sound: 41.25 MHz . B+: 125 - 145 VOC. Antenna input: 300 ? balanced to ground. With mounting brackets. Shpg. wt, 3 bs.

| Stock No. | Model No. | Meater | Met |
| :--- | :--- | :--- | ---: |
| 18 Y 2010 | AR-250 | 6.3 V | 15.25 |
| 18 Y 2011 | ARR252 | 600 ma | 15.25 |
| 18 H 2012 | AR4S-251 | 450 ma | 15.25 |

## TV-FM Filters—Lightning Arresters

LAFAYETTE HIGH PASS FILTER


A high pass filter for use at the antenna terminals of a TV set to block interfering signals from radio amateurs, police and taxicab transmitters, paging systems, $x$-ray machines, passing automobile ignition noise. etc. Attenuation more than 25 db at 47 MHz . Only .5 db insertion loss. Imported.
9974021 Shpg. wt., 8 oz. $\qquad$ Net 2.19
JFD HIGH PASS FILTER


- For Outdoor-Indoor Use

Model HP50. Hi-pass wavetrap that elimi. nates ham, citizens' band, police, fire, marine interference. Low phrase shift ideal for color TV indoor or outdoor mounting. No-Strip terminals eliminate wire-stripping, splicing or cutting. Low insertion loss 300 ohm impedance. Shpg. wt., $1 / 2 \mathrm{lb}$. 18 T 3820 Net 2.97

## LaFAYETTE TV FILTERIZER



- Eliminates Most

Television Interference
Easily adjusted to remove any antenna-fed Interference causing picture distortion: FM, diathermy, SW, Ignition, amateur/CB, adjacent channel, etc. Does not attenuate signal. Actually tunes out unwanted signal. Matches any antenna. Metal case finished in black enamel. Easily installed. Size $4 \times 23 / 4 \times 13 \mathbf{z}^{\prime \prime}$. Imported. Shpg. wt., 7 oz.
3974017
Net 2.95
SUPEREX CLEAR PIX


- 27 MHzCitizens Band Interference Filter

Clear Pix by-passes most sources of TV inter. ference before they have a chance to enter your receiver. Picture and sound enter strip. ped of common types of man-made inter. ference. Designed for maximum interference elimination at 27 MHz . Requires just a screwdriver to install. Shpg. wt., 6 oz.
18T5108
Net 1.19

## NOISE FILTER

- Stop Radio \& TV Noises

Eliminate radio and TV noise caused by household appilances, oll bumers, motors, neon signs, etc. Just plug filter in any wall outlet and TV or radio into filter and enjoy nolse-free entertainment; or plug noise producing appliance into filter and eliminate noise throughout house. Shpg. wt. $1 / 2 \mathrm{lb}$.
$18{ }^{2} 1901$
Net 99


## JFD LIGHTNING ARRESTERS



# (A) ECONOMY VHF/UHF ARRESTER 

(C) 3-IN-1 UHF-VHF ARRESTER Model Ar-110-Fits all heavy duty tubular leads. Exclusive strain-rellef lips-mounts on mast, wall or window sill. Discharges antenna and lead-in static. Nickel-plated brass hardware never corrodes. Shpg. wt., brass
901.
18T13804 Screw Type
Net 1.49 AT-110S with stainless steel strap for pipe mounting. $\qquad$ Net 1.75

Model AT-1315 saw-tooth washers grip transmission line securely without stripping of cutting wire. Designed for flat, tubular, oval or open types. Constructed of low-loss material that assures less capacity and inductance, resulting in less loading on UHF. With mounting screw and steel strap. UL listed. Shps. wi., 10 oz .
18 I 31001
Net .69

## (B) "LITTLE GIANT" TWIN LEAD ARRESTER

Model Afios Flat line arrestor, UL Ilsted. No wire stripping or spreading of line necessary. Small size permits easy mount. ing anywhere-inside or outside. Complete with ground lug and screws for wall or win. dow sill mounting. Special high dielectric, flame-retarding plastic construction does not vary line Impedance. Insures maximum signal transfer. Shpg. wt., 902.
18 T3802
Net .99
(D) 4 WIRE ROTATOR ARRESTER W/STRAP
Model AT-104S Chisel point contact eliminates stripping, tightening wing nut completes Installation. Low-loss polystyrene case. Also usable with standard TV.FM ribbon. Shpg. wt., 1 lb.
18 T 3806 Singly $\qquad$ Net 2.05
(E) 5 WIRE ROTOR ARRESTER

Model AT-105 Protects 5-wire cables for automatic antenna rotors from lightning and static discharge. Easy to install in Ilne, just slip lead into place. With hardware for wall or window mount. Wt., 1 ib.
1873890
is $\mathbf{7} 3891$ for plpe mounting $\qquad$ Net 2.59
Net 2.95

LAFAYETTE LO-PASS LINE FILTER


- Dual Ferrite Core Coils


Exceptionally efficient line noise ellminator. Utilizing dual ferrite core coils, heavily wound. Eliminates line noises caused by motors, industrial RF, neons, appliances, etc. Particularaly useful on TV and FM sets, radios, tuners, record players. Automatic attenuation of unwanted disturbances. Im. ported. Shpg. wt., $11 / 4$ los.
99 T 4005
Net 2.69

## FINCO FM BAND PASS FILTER



- Eliminates Interference to FM Reception
- Engineered To Mount Anywhere

MODEL 3007. Eliminates interference from cifizen band, amateur operators, electric motors, aircraft, fluorescent lamps and auto Ignition. Provides up to 40 db attenuation of all interfering signals outside the FM band. Less than 1 db insertion loss in 88 to 108 M Hz band. Recommended to be mounted at FM radlo set for maximum effectiveness but may be mounted anywhere In line for less serlous applications. Shpg. w1. 802.
18 † 3016
Net 4.38

## LIGHTNING PROTECTION KIT

- Complete! Nothing Else To Buy


Do-it-yourself kit to minimize Jightning strikes to your antenna. Directs and dis. charges excess to ground. Kit contains: 50 $f$. heavy-duty electrical conductor type. aluminum ground wire, coppered-steel ground rod and clamp. U.L. listed lightning arrestor, 6 ground wire nail fasteners, ground wire warning tag and complete detalled instruction sheet. Shpg. wt., 4 lbs. 18 T 5619

## IV and FM ANTENNAS (SKILLFACT)

- Including Color TV

TV and FM ANTENNAS by
Louis $M$. Derettel. The in-
formation you need to prop-
 erly select and install the antenna system to suit your needs. Antennas for color TV. fringe-area reception. lead Ins and towers. and multiple-set distribution. Shpg. wt., 6 oz .
10 I 2349
Net 1.00
 straps - clips - rivets - screws nuts - every plece is stainless steel. Ever-lasting - rust proof - non corrosive. Will take masts from 5/t" to $11 / 2^{\prime \prime} 0.0$. Never needs replacing - do it once and forget it! Complete with 2.12 ft . $\psi_{4}{ }^{4 \prime}$ stain. less steel straps, U-bolts and all hardware. Shpr. Wt. 4 lbs.

## 18 T 6302

Net 7.25
CHIMNEY MOUNT $3^{19}$
An ideal chimney mount for life-long satisfactory service under the most severe conditions. " 7 " type heavy gauge aluminum brackets. Complete mounting kit of two 12 stainless steel $1 / 4^{\prime \prime}$ straps and stainless steel seals. Rugged, corrosion resistant mount accomodates masts uo to $11 / 2^{\prime \prime}$ O.D. Perfect for TV and FM antenna systems. Shpg. wt., 2 lbs

## 18 I 6505


"Z-mOUNT" design provides simple installation and sturdy sup port. Hot-dipped gaivanized coat for protection. Takes up to $112 \sim^{-O}$ O.D. masts. With $11 / 20$.D. masts. With
$2-10 \mathrm{ft}$. stainiess steel $5 / 8^{-}$straps and seals. Shpg. wt., 3 tbs. 18 T 0165

## ECONOMY CHIMNEY MOUNT <br>  <br> 49

Can be erected in min. utes; without special tools or dritling. Adjustable, two.section design permits unlimited spacing between brackets for maximum support of masts 1/2" to $11 / 2^{\prime \prime} 0.0$. Complete with two 10 ft . lengths of $5 / 8^{\prime \prime}$ galvanized steel bands and hardware. Shog. wt. 3 lbs.
Shog. wt.
Net 1.49

## TV Antenna Mounts-Masts



(a) 12" WAL MOUNT. Completely constructed of. steel, using extra heavy gauge steel tubing which will not bind. Protected against corrosion bythe ALCOTE finish. Special "sure grip" U-bolts. Holds mast up to $11 / 2^{\prime \prime} 0.0$. fripod leg for one section. (Set of 2.) Shipg. wt., 3 lbs.

## 18 J 6305

Net 2.69 AOJUSTABLE $18^{\circ}$ WALL MOUNT
18 T 6306 (Set of 2) ..................... Net 5.49
(B) 6" SNAP.IN ALUMINUM WALL BRACKET. Heavy gauge aluminum. Carriage bolts throughout. Full thread hex head lag screws. Masts just "snap-in" for easy handling. Tripod legs. (Set of 2.) Shpg. wt., 3 los.
10 76501
Net 1.99
(C) 4" STAINLESS STEEL WALL BRACKET. AII stainless steel construction for extremely long life. Provides $4^{\prime \prime}$ clearance from wall. With special shaped U-bolt to hold masts up to $11 / 2^{\prime \prime} 0.0$ (Set of 2.) Shpg. wt., 2 lbs. 18 T 0196

Net 1.89
(C) 4" WALL BRACKET. Securely grips all masts from 1" to $112^{\prime \prime}$. O.D. Made of rust resistant steel. Supplied with hardware. (Set of 2.) Shpg. wt., 2 lbs.
18 T 0166
Net .79
(0) 4. SMAP.IM VENT PIPE MOUNT. SNap in feature eliminates hoiding of mast while applying hardware. Single front locking carriage bolt for easy one hand tightening. Heavy gauge aluminum. (set of 2.) Shpg. wt., 2 lbs.
18 T 6507
Net 1.79
(E) PEAK ROOF MOUNT, A heavy gauge steel peak roof mount. Heavily plated to resist corrosion. Will accommodate masts up to $11 / 2^{\prime \prime}$ in diameter. Fully adjustable, can be easily rotated. Complete with all necessary fiardware. Shpe. wt. 5 lbs. 18 T 6308

Net 1.59
(F) ALL-ANGLE MOUNT, Permits setting of $1 / 2^{\prime \prime}$ to $11 / 4^{\prime \prime}$ masts at most sultable angle for maximum reception. Rust-resistant steel. With mounting hardware. Shpg. wt. 3 oz. 10 T 0199
(c) STAINLESS STEEL STRAP KIT. Replacement kit. Consists of $212 \mathrm{ft}, 3 / 4^{-2}$ stainless steel straps, stainiess steel seals, triangular eyebolts, lockwashers, hexnuts. Puts an end to rust and corrosion. Shpg. wt., 2 lbs.
18 T 6309
Net. ea. 1.79


Permits mounting antenna to the underside of over-hanging eave. Can also be used as a sturdy self supporting flat roof mount. Heavy gauge steel and Hot-Dip galvanized for maximum corrosion resistance. One plece mounting of welded construction with a heavy gauge embossed steel diagonal support. Complete with installation hardware. Shpg. wt. 6 lbs. 18 T 5603

Net 4.69
 mount is easily instatled, and its 3 point contact insures neat. positive, non-rocking grip. Adjustable upper mast holder fits masts up to $12 / 2^{\circ} 0 . D$. and allows vertical mast positioning. Hot dipped galvanized heavy-gauge steel for permanent rust protection. Mount is adjustable to accommodate parapet walls from $4^{\prime \prime}$, to $13^{\prime \prime}$ thick. Also ideal for mounting flag polss, banners, signs, etc.
18 T 5630 Shpg, wt., 11 Ibs. ........ Net 7.69

## BANTAM TV TOWERS

- No Guy Wires Needed One Man Installation
- Fit Any Roof


## $\underset{\substack{\text { As } \\ \text { As }}}{\text { Low }} 495$

Bantam TV towers de signed for convenient mounting on all peak or flat roof-tops. Elim inates cumbersome guy wires. Antenna tower is self supporting. Hot-Dip galvanized $7 / 4^{\prime \prime}$ steel tubing insures strength and corrosionproof service. Hardened screw nails for strong and rigid fastenings. Adjustable feet. Completely pre-assembled with hardware and watertight roof seals. Less mast.
For $7^{\circ}$ tower, Use with $114^{\prime \prime} 0.0 . \times 5^{\prime \prime}$ mast 18 T 5604W Wt., $5 \frac{1}{2}$ lbs. ..... Net 4.95 For $13^{\circ}$ installation. Use with $11 / 4^{\prime \prime}$ O.D. $x$ $10^{\circ}$ mast.
18 T 5605wx Wt., 7 lbs.
Net 6.95
HEAVY-OUTY ROOF TOWERS
Hot-dipped galvanized $11 / 4^{\prime \prime}$ steel tubing Recommended for color TV installations when heavy multi-element antennas are used. Accommodates masts up to $14 / 2^{\prime \prime} 0 . D$ Complete with all hardware and watertight roof seals.
For $6^{\prime}$ tower. Use with $5^{\prime}$ mast. 18 I 562 w Shpg. wt., 7 lbs.

Net 5.49 For $12^{\circ}$ tower. Use with $10^{\circ}$ mast

Net 0.49

## UNIVERSAL ALL-POSITION MOUNT

A strong self-supporting mount which adjusts to any position on peak, slope, flat, corner, or sidewall of bullding. Positive locking braces efliminate need for guy wires in most installations. Two plane adjustment for true vertical allgnment of mast. Made of heavy gauge hot dipped gatvanized steel.
Standard model for masts up to $12 / 2^{\prime \prime}$ O.D
is T 5631 Shpg. wt., 6 lbs.
Net 3.5 s
large model for masts up to $21 / 2^{\prime \prime} 0.0$.
1875632 Shpg. wt., $61 / 2 \mathrm{lbs}$.

## TV Antenna-Towers-Masts-Accessories

## SPAULDING "STRATO TOWERS" "EP SERIES" INSTALL ON GROUND OR ROOF


"xce"
TOWERS

High quality beaded channel construction. All riveted, no weids to rust. Rugged, zinc plated steel. More strengithless wind resistance at tower top. Top sections accept any rotator. All sections factory assembled. Each tower consists of one or more $8^{\prime}$ sections plus an $8^{\prime}$ mast, base plate and mast kit assembly. Free standing installations require guying every 16' Roof mount, "house" bracket and guy stations are extra.

| Stock No. | Type | ${ }^{*} \mathrm{Hgt}$. | Sect. | Weight | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 18 T 7302XY | EP-2 | $22^{\prime}$ | 2 | 51 lbs . | 26.17 |
| 18 T 7303XY | EP-3 | $30^{\circ}$ | 3 | 71 lbs. | 32.95 |
| 18 T $7304 X Y$ | EP-4 | 38' | 4 | 90 lbs. | 41.19 |
| 18 T 7305XY | EP-5 | $46^{\circ}$ | 5 | 109 jbs. | 49.44 |
| 18 T7306XY | EPH-1 | House | cket | 5 lbs . | 4.11 |
| 18 T 7307 XY | EPR-1 | Roof | nt Base | 2 lbs . | 3.23 |
| 18 T 7308XY | EP-GS | Guy |  | $31 / 2 \mathrm{lbs}$. | 2.92 |

## "XCB SERIES"-CYLINDER BASE

 NO CONCRETE REQUIREDExtrome high strength, self-supporting towers. Self-aligning hinge base for quick easy installation. Can be assembled on the ground and hinged up or built vertically, section upon section. All riveted $100 \%$ galvanized steel construction prevents rust. with 4 ft . base, hinged feet, $8^{\circ}$ mast, mast kit $8^{\prime}$ tower sections.

## ALUMINUM ANTENNA MASTS

- Gold Alodized


This Golden Alodized aluminum mast will outlast any antenna. Made of a tough 19 gauge extra strong, drawn aluminum alloy. Two or more masts may be telescoped together. $11 / 4 " 0$ O.D.
$18^{\top}$ T $3817 \mathrm{w} 5^{\prime}$, wt., $11 / 2 \mathrm{lbs}$. $\qquad$ Net 1.25 18 T 5614wX 10, wt., $21 / 2$ ibs. $\qquad$ Net 2.39 ALUMINUM MASTS. 19 gauge-heavy wall-high tensile strength. Rust and corrosion proof. Swared for stacking. $11 / 4^{\prime \prime} 0.0$.
18 T 3818W $5^{\circ}$, wt. $11 / 2$ tbs. .... Net 1.09 18 T 3819 WX 10, wt. $2 \frac{1}{2}$ lbs. .... Net 2.09 SUPER HEAVY-DUTY ALUmInUm Mast. Made of high strength aluminum alloy. Reecmmended for use with rotors and large antenna installations. Length 10 ft . 11/4" O.D. Wall thickness full $1 / \mathrm{m}^{\prime \prime}$. Shpg. wt., 5 lbs.
18T5620wx
Net 6.69
18 T 5626WX 10', $11 /$ º' $^{\prime \prime}$ O.D..........Net 7.25

## GOLD KOTE STEEL MAST

New corrosion resistant steel mast sections made to fit all antennas. Made of rigid steel tubing with rugged high tenslie strength. Highly protective gold colored baked enamel finish for lasting beauty and endurance. "Jam Fit" construction. $11 / 4^{\prime \prime} 0.0$.

| Stock $\mathrm{No}_{0}$ | Hgt . | Gauge | Whe | Met |
| :---: | :---: | :---: | :---: | :---: |
| 18 T6325W | 5 | 20 | 21/2 | . 89 |
| 18 T 6326wx | $10^{\circ}$ | 20 | 5 | 1.59 |
| 18 T 5621w | $5{ }^{\prime}$ | 18 | 3 | 1.09 |
| 18 T 5622wx | $10^{\prime}$ | 18 | 6 | 1.99 |
| 18 T 6327w | 5' | 16 | 4 | 1.39 |
| 18 T6328wx | $10^{\circ}$ | 16 | - | 2.49 |

(A) INSULATED NAILS

Single head wiring nalls excellent for fastening 300 Ohm iwin lead antenna wire to woodwork baseboard, etc. Does not affect signal. \#14x5/8" brown. ShDg. wt. 402.
wt. 402
18 T 0203 Box of 50 .... Net . 49

## STEEL GUY WIRE

Six strands of No, 20 high tensile strength


TELESCOPING TV MASTS
Heavy-duty telescoping masts. Ideal for any TV antenna array. Hotolip zinc galvanizing inside and outside provides unusual ruggedness and impenetrable corrosion resistance. Designed for easy installation and assembly. Husky bolts lock sections automatically. No sllipping, no twistling. Precision fitting assures lasting service. 18 and 20 gauge walls. Supplied complete with all guy rings, clamps and necessary hardware. Total $510-\mathrm{ft}$. sections for height up to $50 \mathrm{ft} .: 0 . \mathrm{D}$. 1 ( $11 / 44^{\circ \prime}$ ). 72 ( $11 / 2^{*}$ ) \#3 (17/4"). \#4 (2"). \#5 (21/4").
Shipping express only.

50.FT. MAST-Consists of all 5 sections listed above: Nos. 1, 2, 3, 4 and 5. Height 50 feet. Shpz. wt., 39 lbs.
18 T 5609WX
Net 16.95
40.FT. MAST-Consists of 4 sections: Nos. 1 , 2. 3 and 4. Height 40 feet. Shpg. wt., 28 Ibs. 18 T 5610wx ... ....................... 12.95 30-FT. MAST-Consists of 3 sections: Nos. 1, 2 and 3. Helght 30 feet. Shpg. wt., 21 lbs. 18 T S611wX ….................................... 8.95 20-FT. MAST-Consists of 2 sections: Nos. 1 gnd 2. Height 20 feet. Shpg. wt., 14 lbs 18 T 5612WX

## ALL ANGLE MOUNT

Swivel base mounts on any surface-flat, slant peak or wall. Heavy gauge weatherproofed steel. Takes any mast up to $214^{\prime}$ O.D. Complete with hardware.

Net 1.59

## 3/8'/ PLATED <br> GROUND ROOS <br> For use where pipe ground is not available. Heavy steel yoke for head. 4 ft . <br> 18 T 7215w Shpg. wt., $11 / 2$ lbs. .............. . 89

galvanized steel wire. ll . $11 / 2 \mathrm{lbs}$..... 39 33 T 3102100 ft . roll. Wt., 2 lbs. 33 T 3103500 ft . roll. Wt., $12 \mathrm{lbs} . \ldots . . . . \quad 3.79$

## VINYL COVERED GUY WIRE

6 strands of No, 20-gauge high tensile strength galvantzed wire. Weatherproof, non-stretch, long lasting. Ideal for TV guy wire, clothesline, and numerous garden uses. Translucent aqua green color:
32 T 364950 ft . roll, Wt., 1 1/2 lbs.
.99 32 T 3650100 ft . roll, Wt. $21 / 2 \mathrm{lbs}$.
1.89 32 T 3651250 ft . roll, wt., $64 / 2 \mathrm{lbs}$.
4.59

## ALUMINUM GUY WIRE

7.18 auge stranded wires. Breaking strength 500 tbs.
34 T 4627100 ft, roll. Wt., 2 lbs. ..... 2.49

## ALUMINUM GROUND WIRE

33 T 310450 ft . coil, Wt., $1 / 2 \mathrm{lbs}$ .85 33 T 3105100 ft coil. Wt., $21 / 4$ lbs 1.69 33 T 3106500 ft, coil. Wt., 13 lbs. ..... 7.95

## STEEL <br> TURNBUCKLES


(A) Takes up guywire slack. Rustproof gal. vanized steel. Size $75^{\prime \prime} \mathbf{g}^{\prime \prime}$ open. $5 \frac{1}{2 \prime \prime}$ closed. Shpg. wt., 8 oz.
18 T 7217
.17
18 T 6329 Box of 10
.55
(a) Hook and eye type used where quick removal is required. Shpg. wt., 8 oz. 18 T 7218
18T 6330 Box of 10
1.55

DOUBLE HEAD INSULATEO NAILS
Same as above nails, but with double head. Recommended for all tubular and shielded 300 Ohm twin lead. \#3x $7 / 4^{"}$ brown. Shpg. wt., 4 oz . $\qquad$
1870204 Box of 50 .... Net .65

ANTENNA INSTALLATION KITS


Chimney Mount Kit Includes " 2" troe chimney mounts with stainless steel straps. Wall Mount Kit includes set of 2.7" galvanized wall brackets.
Roof Mount Kit includes galvanized roof mount, 1 guy ring, clamp and $50-\mathrm{ft}$. of gal. vanized steel guy wire.
Each of the above kits also includes 2-5' galvanized steel masts, $3.342^{\prime \prime}$ screw standoffs. Kits for use with VHF.UHF-FM antennas, supplied with 100 ft . foam type twin lead cable kits for use with VHF-FM antennas, supplied with 100 ft . flat twin-lead cable; Avg. shpg. wt., 10 lbs.

| Stock No. | Description | Net |
| :---: | :---: | :---: |
| 18 T 1604WX | Chimney Mount Kit | 7.95 |
| 18 T 1605 WX | Wall Mount Kit | 7.50 |
| 18 T 1606WX | Roof Mount Kit | 7.50 |
| - FOR | VKF.FM ANTENNAS |  |
| 18 T 1607wx | Chimney Mount Kit | 7.19 |
| 18 T 1608wx | Wall Mount Kit | 5.99 |
| 18 T 1609wx | Roof Mount kit | 5.99 |

## Installation Accessories


(1) "GRIP" GROUND CLAMP Makes vise-like grip on pipe. Sharp pointed screw makes perfect contact. Shpg. wt. 4 oz.

## 18 T 8201

Net, 15
(2) COLLAR. Universally adapted to masts up to $13 / 8{ }^{\prime \prime}$. Hardened cone points. Permits mast orlentation when using guy wires. Shpg. wt., 202. $\qquad$ Net 39 18 T 5606 (3) Rddatine guy hing. Free-Floating. will not bind. Retains guy wire securely. Gal vanized steel. Shpg. wt., 5 ors.
18 T 6318 for $114^{\prime \prime}$ mast. Pkg. of 2 18 T 6319 For $11 / 2^{*}$ mast. PKg. of 2
.22 (4) GUY WIRE RING \& CDLLAR. Cast aluminum floating guy wire ring and collar permits complete orientation of the mast. WIII fit masts up to $13 /{ }^{\prime \prime}$. Shpg. wt., 1 lb.
1818105
bove but will take masts up to 1 Same as above but will take masts up to $13 / 4^{2}$
It 5607 (5) MDUNTING ACCESSORIES. Lag screw expansion shield. $100 \%$ rust proof. Shpg. wt., for 10, 202.
18 T 8303 $\qquad$ Net. 10 ea. 10 for 90 Lag bolts. $1 / 4^{\prime \prime}$ diam. shank $11 / 2^{\prime \prime}$ long. 18 T 8106 Net 05 ea. 10 for .40 Star drill. $1 / 2 \times 8^{\circ}$ for drilling in concrete brick or stone. Shpg. wt. 12 oz.
18 T 5302 $\qquad$ Net .59
(6) MAST CUY CLAMP. Has 6 guying points. A handy thing to keep in the tool kit. W'll accommodate masts up to one and one.half inches in dia. Shpg. wt.. 1/2 lb.
18 T 6321 $\qquad$
(7) 3-WAY GUY WIRE CLAMP. FIts masts up to $21 / 4^{\prime \prime}$ diameter. Features 3 eye boits for guy wire attachment. Made of heavy gauge steel. Shpg. wt.. 3 oz.
18 T6320
(8) BALL.TYPE GUY WIRE TIGHTENER. SImply draw guy wire through the "grip-tite"; loop wire back, and twist once. Provides easy method for adjusting and tightening guy wire. Cast zinc housing. Shpg. wt., 402. 18 T0193 Net .75
(9) CLOSED EYE BOLT. For anchoring guy wires. Size: $1 / 4 \times 5^{\prime \prime}$. Shpg. wt., 10 oz . for 5 . 18 T 6322

Net ea. . 08
5 for .35
(10) CABLE CLAMP. Strong aluminum alloy body construction with plated steel U-bolt. Fits cables up to $\boldsymbol{K}_{6}$ " dia. Provides solder. less and spliceless cable-loop termination. Shpg. wt., 4 oz pkg. of 2.
18 T 6712
Net per pikg. . 35
(11) MAST CLAMP. Notched retaining clamp holds 2 masts firmly in sturdy U-boit, Galvanized steel. Wt., 3 oz.
18 「 0195
Net .29
(12) U BOLTS. Made of galvanized steel. Supplied with nuts and washers in place. Shpg. wt., 4 oz .
18 T 02022 pleces per pkg. Pkg. . 25
(13) QUICK CLIP. For speedy, simple attach ment of antenna lead-in to TV set. Can't short out. Shpg. wt., 2 oz.
18 T 0205 Pkg. of 2 $\qquad$ Ea. .35
(14) HOLLOW WALL SCREW ANCHORS. $21 / 2^{\prime \prime}$ long. 3/" body, $7 / 6$ " sleeve. With $10-24$ screw. Shpg. wt., 602.
18 T 5301
Net .12
10 for .99
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Pkg. 34

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Net 1.05
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18 T 2709
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Low loss, RG-59U 72 ohm white cable. Compietely assembled. 2 spade lugs on one side, choice of plug on other side fig. (R) RCA, (M) Motoroia, (J) Jerroid.

| Steck Ne. | Fis. | Feet |  | Not |
| :---: | :---: | :---: | :---: | :---: |
| 1815901 | R | 6 | 402. | 1.39 |
| 18 \5902 | R | 12 | 802. | 1.95 |
| 18 T 5903 | R | 25 | 1 b . | 3.25 |
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| 18 T 5906 | M | 25 | 1 tb . | 3.25 |
| 18 T 5907 | 1 | 6 | 402. | 1.59 |
| 18 Y 5908 | , | 12 | 802. | 2.09 |
| 18 T 5909 | , | 25 | 1 lb . | 3.39 |



Feed-thru that passes your TV signal without drilling or signal loss, Just use adhesive sup. plied to attach units one to each side of window pane and attach your wires. Shpg. wt., 602.
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Net ea. . 19
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Shpg. wt. 202.
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Net .35 roter combination plate. Similar to autiet except includes 5 conductor rotor outlet in place of one 2 -wire outlet.
18 I 7016 Shpg. wt. 6 oz. ........... Net 1.79 18 r 70175 con, plug. for rotor lead. Net 47

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## 35



Compact low loss- $\mathbf{3 0 0} \mathrm{ohm}$ plug and socket. Surface mounting socket - low loss polystyrene plug. Solderless screw terminals. $\square=\square$ imported. Shpg. wt., 202.
$\qquad$ Net .35 3 For .99


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Net .69

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95 H 4008 $\qquad$ Met 10

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Net ea. . 95

(1)

(2)

(3)

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- Fits Standard Outlet Box
- Complete with Plugs and Mounting Bracket


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(1) Single TV/FM wall plate which can be used to neatly custom Install an antenna systam. Plug is polarized and designed to sccept 300 -ohm twin lead line. Ivory finish. 99 T 4013 Shpg. wt., $1 / 4 \mathrm{lb}$.

## Net 48

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| :---: | :---: | :---: |
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Net 1.95
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18 T 4602 FIG. (B)
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You simply attach two plugs as directed on the instructions. For magnetic tubes and PARALLEL CIRCUITS only. Renews brightness contrast, For Duodecal Base. Wt., 8 oz. 18 T 4603 FIG. (A)

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18 T 4600 FIG. (A)
Ea, 1.2

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Type
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mooEt $\quad 200-\mathrm{PK}$. Just the thing for the novice or professional. Compact design and built-in prefocused spotlight eliminates maneuvering difficulties. Break-proof plastic utility case can be used to hold other parts or tools. Weller Expert soldering Kit features the 8200 gun with exclusive tip Grip which assures constant heat. Dual heat feature gives choice of 100 or 140 watts with the pull of the trigger. Accessories include 3 durable soldering tios, tip changing wrench. nylon flux brush, soldering aid to facilitate difficult connections and all purpose solder. All the liems you need for first-class solder connections are packed in a high impact plastic case. UL Ilsted.
13 T 3915 Shpg. wt., $33 / 4 \mathrm{lbs}$.
Net ea. 7.45 lots of 3

Net ea. 6.60

## 100/140 WATT DUAL-HEAT GUN

Model 2200. Dual heat solder gun only, featured in above mit. Includes tip, instruction book. 120 VAC 60 cps . UL IIsted. 1373914 Shpg. wt. $21 / 2 \mathrm{lbs}$. Lots of 3

## [C] 240/325 WATT heavy duty soldering kit

200EL D.550 PK. A Professional Heavy Duty soldering kit featuring the dual-heat 240/325 waft Weller gun. Everything needed for hundreds of applications in Hobbies, Shopwork. Household repairs. Case can be used as tool kit lunch box or tackle box. Kit contains D-550 Solder qun, All purpose solder, Cutting Jip, Soldering Jip. Smoothing Tip. Tid Chansing Wrench and Instruction Booklet. Replacement and accessory tips are available at low cost to fit special applications. Entire hit is enclosed in a high impact plastic case with carrying handle. UL listed. Shpr. wt., 5 lds.

## 1373918

Met ea. 10.45
Lots of 3
Net ea. $\quad 9,30$
Medel D-550 240/325-Watt Heavy Duty Soldering Gun. UL listed. Shog. Wt., $33 / 4$ lbs.
1373917
Net ea. 8.95
Lots of 3
Net ea. 7.95

## [] 145/210 WATT PROFESSIONAL SDLDERING GUN

MODEL D-440. New High Wattage Guns-these latest ProfessionatModel Soldering guns have everything! Increased wattage-dual spot-lites-rugged plastic case-featherweight balance. Come equipped with cord. Dlug and one tip. For $110-120$ volts, 60 cps AC . Model D-440. Dual-heat type. $145 / 210$ watts. UL listed. Shpg. wt., 3 ths. 1373916

Net ea. 2.25
Net ea. 7.30

WELLER REPLACEMENT TIPS \& PARTS

| Stisek Me. | Type | Description | Arg. shpt. wt., 30 | Met | Steck Me. | Type | Description | Ave. shpe whi, 3 a | Met |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1313919 | 7300 | Copper Tip. phr. of | (0. S.107. D-207 | . 35 | 1373927 | 6110 |  |  | . 35 |
| $13 T 3920$ | 8125 | Plated Tho. phe. of | or 8200.8100 B | . 35 | 1373920 | 6120 | Smoothine Tio for | $8100, \mathrm{~B} 200$ | . 35 |
| 1373921 | ${ }^{8125 N}$ | Tip Nuts with Jip f | 200, 8100B | . 35 | 1373929 | 6120 6130 | Cutting Mo for D- | 8100, 88200 | . 35 |
| $13 \text { I3822 }$ | 7135 $7135 N$ | Copper Tip, plag. of | 400, 0-440, 8100 | . 35 | $13 T 3930$ | 6140 | Smoothing Tip for | O. 8250A | . 35 |
| 13 T 3924 | 7250 | Copper Tip, phg. | S-500. D-550. 8250A | . 35 | 13 T 3931 | 7323 | Switch for all Sing | at Models | . 80 |
| 1373525 | 7250N | Tip Nuts. Jip, S-500 | 550, 8250A .... | . 35 | 137393 | 7324 | Switch for all Dual. | Models | . 80 |




## - Features Automtic Thermal Regulation (ATR)

Model $222 \times 5$. Complete soldering kit for household and mocel work. Kit contains Hot Rod 222 gun wilh ATR, two interchangeable tips for light (up to 100 watts) and medium ( $100-200$ watts) solcering, a handy plastic cutting accessory, plus a flat tron for sealing plastic bags, Ironing out dents, etc. Complete with roll of solder and rugged carrving case. UL listed. Shpg. wt. 4 lbs
13 T 6535
Net ea. 8.95
$\qquad$ Lot of 38.04 ea Model 222 "Hot Rod" gun alone with medium duty 100.200 watt tip. UL listed. Shpg. wt., $21 / 2$ lbs
13 76534 ................ Net ea, 5.95
Lot of 35.35 ea .


## 100K GUN KIT

- Lightweight-Only 19 oz.!

As Low As
$4^{82}$

- Extra Slim-Only 1 Kó"!
- Fast Heat Soldering Temperature is $21 / 2$ Sec.!

100 watt black gun with spotught and replaceable steel nose tip. Includes plastic the cutting tip and $5^{\circ}$ rosin core solder. 13 T 6530 Shpg. wt., $21 / 2$ tbs. UL listed. ........................Net ea. 5.95 Lots of 3 each
MODEL $100-100 \mathrm{w}$ gun from above kit. 110 V 60 cps . AC. 13 T 6528 Shpg. wt., 1 t/2 tbs.

Net ea. 5.15
Net ea. $4 .{ }^{5} 2$

## 25/450 WATT HEAVY-DUTY SOLDERING KIT

## - Features Automatic Thermal Regulation

Model 450K4. Complete soldering kit designed to handle every soldering job from the most delicate printed circult, to rugged sheet metal work. Kit comtains Model $45025 / 450$ watt gun that automatically regulates heat to suit the job and three interchangeable tips for 25 to 450 watts of heat power. Complete with solder and convenient carrying-case. UL listed. Shpg. wt., $41 / 2 \mathrm{lbs}$.
11 76536 Lot of 3 10.75 ea.
Model 450 Heavy duty gun alone with extra heavy duty 200.450 watt tlp. UL listed. Shpg. wt., 3 lbs.
13 T 6519
Net ea. 10.46
Lot of $3 \quad 9.46$ ea.

## LIGHTWEIGHT SOLDERING PISTOL



- Trigger On/Off Switch

WEN 75. A finely balanced soldering pistol for delicate and heavy jobs. Draws only enough current necessary with ATR- 50 w surge and 30 w operating produces 100 w heat. Transformer voltage is low for cool handiing. 120 V AC. UL listed. Shpg. wt., $11 / 4 \mathrm{lbs}$.
13 T 6527
Net 4.07
lots of 3 each
Net 3.59

WEN REPLACEMENT TIPS

| Stock Mo. | Tye | Description | Mot |
| :---: | :---: | :---: | :---: |
| 1376522 | 45F7 | 25.100w Tip for 222,450 | . 98 |
| 13 T 6523 | 45M7 | 100.200w Tip for 222,450 | . 98 |
| 13 T 6524 | $45 A 7$ | 200-450w Tip for 450 | . 98 |
| 1316520 | 75A7 | Std. Tip for 75 | . 75 |
| 13 T6521 | 75B7 | Fine Tip for 75 | . 75 |
| 13 6529 | 1984 | Repl Tip for 100 | . 39 |
| 13 T 6525 | 4557 | Plasfic Cutter Attachment for 222 and 450 | . 45 |
| 13 T 6526 | 45P57 | Flat Iron Attachment for 222 and 450 | . 45 |

## LAFAYETTE 30.WATT SOLDERING PENCIL



- Lightweight-A Mere 202
- Perfectly Balanced-No Fatigue!
- Exceptionally Cool Running!

Designed specifically for industrial use. Maximum wattage in the Ifghtest-smallest-coolest 30 -watt iron available. Nine inches longweighing a mere 2 oz. less the coro-for reaching easlly into "parts. packed" chassis. Especially sulted for precision electrenic wiring, Element of high quality nichrome wire, precision wound on a "double" mica base. Highly stable heating characteristics assure leng life and safety in use on precision circuitry. Replaceable screw in. nickelplated coooer tip. $110 \cdot 120 \mathrm{~V}$ AC/DC. Imported. Shpg. wt., 802.

## 99 T 8027

99 T 8028 Replacement Tïp

# Ungar Standard Line Soldering Tools 

777 pencil-type irons sport a cool-to-hold, pastel colored grip! Spring sockets accept á wide range of thread-in elements, tips and tiplets, give you the right tip and the right temperature. For exacting work on miniature, sub-miniature and printed circuits. Full length insulated cord, UL listed. 5" long. Shipe. wt., 4 oz.

| Stock No. | $1-9$ | Het ea. <br> $10-49$ | 50 and up |
| :--- | :---: | :---: | :---: |
| 13 T2186 | 1.76 | 1.47 | 1.36 |

## 776 SOLOEMING HAMDLE

Similar to 777 , with standard red handte and cork grip. Durable, economical. 5" lang. Shpg, wt., 4 or.
1.29
1.17

## HEATING UNITS



For use interchangeably with any tiplet except - for 800 and t for 100 series only. Iron base, silver plated. Av. shpg. wt., 2 0z. For $115 \mathrm{~V}, \mathrm{AC}$-DC.



Thread-in and thread-on soldering tips. Made of super tough copper alloy. The PL serles is Iron clad and silver plated, Others are unplated. The 100 series Mini-Tips, $3 / 4 \mathrm{Lx} 1 / 8^{\prime \prime}$ O.D., are used with T2IT and 4037 units only. The 300 series tiplets. $1 \mathrm{LxI} / 8 \mathrm{Cl}^{0} 0.0$., are used with heating units 535, 1235, 4035 and with the Princess soldering Jrons. The 800 series Tiplets, yom. For high heat transfer, are used with the 4045 unit. 833 and $83413 / 4-\mathrm{L}$. 823 and 824 are L L. Avg. shpg. wt., 2 oz.

| Steck Mo. | Model | FIS. | Type | $\begin{aligned} & \text { Met Each } \\ & \text { 1- } 10-50 \\ & 949 \text { Up } \end{aligned}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 13 T 2162 | PL 111 | A | Pencil | .75.62 |  |
| 13 T 2163 | PL 113 | B | Chisel | . 75.62 |  |
| 1372164 | PL 331 | C | Pencil | . 57.47 | . 43 |
| 13 Y 2165 | PL 332 | 0 | Offset | . 57.47 | . 43 |
| 1312168 | PL 333 | E | Chisel | 57.47 | . 43 |
| 13 T 2167 | PL 338 | $F$ | Needle | . 57.47 . |  |
| 13 T2168 | PL 340 | 6 | Micro | 57.47 | . 43 |
| 1312169 | PL 823 | H | Pyramid | . 65.52 | . 49 |
| 1312170 | PL 824 | E | Chisel | . 65.52 | . 49 |
| 1312171 | PL 833 | E | Chisel | . 95.75 . | . 71 |
| $13 T 2172$ | PL 834 | D | Offset | . 95.76 | . 71 |
| 13 T2173 | 111 | A | Pencil | . 37.30 | . 26 |
| 1372174 | 113 | 8 | Chisel | . 37.30 | . 28 |
| 1372175 | 331 | C | Pencil | . 23.18 | . 16 |
| 1312176 | 332 | D | Offset | . 23.18 | 16 |
| 1312177 | 333 | E | Chisel | . 23.10 | . 16 |
| $13 \backslash 2174$ | 823 | H | Pyramid | 2521 | . 18 |
| 1372179 | 824 | E | Chisel | 25.21. | . 18 |

## HOT-VIC DE- SOLDERING TOOL

- De-solders, Cleans Printed Circuits - One-hand Operation
- Hot-Vac Melts, Removes Solder Vacuum action lifts solder from board for easy removal of components. Special tip coating prevents solder from sticking. Handle stays cool. Wt., 1 ib.




## CRAFTRITE SOLDERING IRON



Economical one-piece soldering iron ideally sulted for electronic work, light electrical re. pair, hobbyists. repairing metal toys and a variety of household uses. Cork ring for comfortable, positive grip, cool soldering. Rugged cooper alloy tip delivers approx. $750^{\circ} \mathrm{F}$. UL listed. Shipg. wt., 1 tb.
13 T 2184 $\qquad$ Net 1.69

Effective for removing oxidation and cleaning soldering tips. Clean tios last twice as long! With phenolic tray, two specially processed sponges and bracket for attaching to work bench. Shps. wt., 6 oz . 13 Y21e1 $\qquad$ Net 1.09 Reffll sponge for above.
13 T2197

UNGAR KLEEN TIP \#400


Unsolder multiple IC terminals in seconds. Ironclad and chrome plated for longer tife. Use with 4045 heating element. Wi., 4 oz 13 T 2198

## 

## SOLDERING IRON HOLDER

For Ungar \& Imperial Line


Protects operator against "hot tip" burns; protects iron against breakage. Attaches easily to top or underside of bench. or to wall. Angle adjusts to your convenience. Shpg. wt., 802.
13 r 2115 \$6800 for Imperial Line

## 13 T 2116 \#8000 For Standard Line

| Ket | 1.9 | 10.49 | 50 up |
| :--- | :---: | :---: | :---: |
| Each | 1.85 | 1.49 | 1.37 |




## "PERMA-COOL" HANDLES \#6100

Three cool pastel colors; virtually inde. structible finely ribbed handles. Die-cast aluminum heat sink built in. UL Ilsted. $0.8^{\prime \prime}$ O.D. at grip; $4.7^{\prime \prime} 1 \mathrm{gth}$. Wt. 1 oz .

| Stock No. | Color | $\begin{gathered} 1.9 \\ \text { e2. } \end{gathered}$ | $\begin{array}{r} 10-99 \\ \hline \text { а. } \end{array}$ | $\begin{gathered} 100.4 p \\ \text { ea. } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: |
| 13 T 2102 | Ivory | 1.47 | 1.21 | 1.10 |
| 13 T 2103 | Belge | 1.47 | 1.23 | 1.10 |
| 13 T 2104 | Turquoise | 1.47 | 1.23 | 1.10 |
| 13 T 2075 | Black | 1.47 | 1.23 | 1.10 |

## HEAT CARTRIDGES

New reduced watt density; stainless steel, sealed cartridge, interchangeable; threaded. UL listed-712" Ingth. . $363^{\prime \prime}$ dia. 1.1 oz .Color coded.

| Stock Na. | Mfrs. No. | Watts | 1.9 | 10.99 | $\begin{aligned} & 100- \\ & \text { Up } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 13 T 2105 | 6200 | 40 | 3.93 | 3.31 | 2.96 |
| 13 T 2106 | 6201 | 30 | 3.93 | 3.31 | 2.96 |
| 13 T 2107 | 6202 | 25 | 3.93 | 3.31 | 2.96 |
| 13 T 2138 | 6203 | 60 | 4.53 | 3.38 | 3.45 |
| 13 T2076 | 6207 | 100 | 6.56 | 5.25 | 4.94 |
| Heavy-duty tip for $\# 6207$ 100-watt heat cartridge. Long taper chisel. Tellurlum cop per. Shpg. wt., 2 oz . <br> $13 \backslash 2077$ (1.9) <br> (10.99) (100 up) <br> 1.22 <br> 1.03 <br> .92 |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

## INTERCHANGEABLE THREAD ON MINI-TIPS AND MICRO-TIPS

Interchangeable with Imperial line handies only. For $25,30,40$, or 60 -watt models. Tips have a max. pt. diameter of . 05 ". †Tellurium Copper; $\$$ Iron Clad 25 K gold plated; "can be bent to make offset.

| Stock Mo. | $\begin{aligned} & \text { Ungar } \\ & \text { No. } \end{aligned}$ | Shape | $\begin{aligned} & \text { Size In. } \\ & 0.0 \times \mathrm{xL} \text {. } \end{aligned}$ |  | Net Each 111.99 100-up |  |  | Stock No. | Ungar No. | Shape |  | $\begin{aligned} & \text { In. } \\ & 0 . x L . \end{aligned}$ | $1.9$ | $10-5$ | $00 \cdot u p$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 13 T 2117 | 6304 | §Micro-chisel* | 3/64 | $\times 1 / 2$ | 1.03 | . 86 | . 75 | 13 T2126 | 6331 | SScrewdelver | $1 / 8$ | $\times 3 / 4$ | 1.03 | 86 | . 75 |
| 13 T 2118 | 6305 | §Micro-spade* | 3/64 | $\times 1 / 2$ | 1.03 | . 86 | . 75 | 13 T 2127 | 6333 | §Needie | $1 / 8$ | $\times 3 / 4$ | 1.03 | . 86 | . 75 |
| 13 T 2119 | 6312 | +pencil | 1/8 | $\times 3 / 4$ | . 46 | . 39 | . 33 | 1312128 | 6336 | ¢Spade | 1/8 | $\times 3 / 4$ | 1.03 | . 86 | . 75 |
| 13 T 2120 | 6313 | 5 Sencil | 1/8 | x 3/4 | 1.03 | . 86 | . 75 | 13 T2129 | 6366 | GLong taper chisel | 3/16 | $\times 3 / 4$ | 1.18 | . 99 | . 88 |
| 13 T 2121 | 6316 | SOffset pencll | 1/8 | x $3 / 4$ | 1.03 | . 66 | . 75 | 13 โ 2130 | 6372 | §Screwdriver | 3/16 | $\times 3 / 4$ | 1.18 | . 99 | . 88 |
| 13 T 2122 | 5318 | tlong taper chisel | 1/8 | $\times 3 / 4$ | . 46 | . 39 | . 33 | 13 T2131 | 6390 | §Screwdriver | 3/16 | 12/2 | 1.22 | 1.03 | . 92 |
| 13 T 2123 | 6319 | \$Long taper chisel | 1/8 | $\times 3 / 4$ | 1.03 | 86 | . 75 | 13 T2132 | 6424 | SLong taper chisel | 1/4 | $\times 3 / 4$ | 1.22 | 1.03 | . 92 |
| 13 T 2124 | 6324 | tong taper pyramid | 1/8 | $\times 3 / 4$ | . 46 | . 39 | . 33 | 13 T 2133 | 6474 | \$Long taper chisel | 3/8 | $\times 3 / 4$ | 1.50 | 1.22 | 1.06 |
| 13 T 2125 | 6325 | \$Lone taper pyramid | 1/8 | $\times 3 / 4$ | 1.03 | . 6 | . 75 |  |  |  |  |  |  |  |  |

## Ungar

DE-SOLOERETE
Princess Line

For Removal of Microminiature Components... Ideal fer I.C. Chip Re.Work and Repair. Fast... Safe . . Efficient. MOOEL 6992. 18 watt Heat Capsule meits solder fast. Jacuum tip rated at 5.5 oz . per 59 . In. draws melted solder from board for easy removal of microminiature components. "Ungarized" white coating inside and outside of collector prevents molten solder from sticking. Stainless steel tip with . 033 aperture prevents clogging.
$\begin{array}{ccc}\text { Met E2, } & 13.95 & 10.19 \\ 13.99\end{array}$
13 T2191 Shpg. we., 1/2 lb.
50 up
ISOLATED LOW VOLTAGE SOLDERING SYSTEM

- Dial Tip Temperature From $400^{\circ}$ to $900^{\circ} \mathrm{F}$ Variable low voltage isolation transformer and isolated heat capsule prevent component damage from current leakage or floating ground. This bullt-in protection provides for the sale assembly of individual compon. ents and IC systems. Heat capsule is rated 18 -watts at 12 -volts and delivers a mantally variable tip temperature that adjusts from $400^{\circ}$ to $900^{\circ} \mathrm{F}$. Heating unit is located in the tip for maximum heat transfer and recavery. Transformer input is 120 VAC 60 Hz , output 10 volts 60 Hz 1.35 amp . Contains $\mathbf{3}$ amp fuse and pilot light. UL listed. Sys.em also includes a lightweight pen type handie and three precision ground nibs. Shpg. wt., 4 lbs.
$13 \mathrm{~T} 2078 \quad$ Net ea. $24.95 \quad 22.95 \quad 21.00$ Depend on Lafayette For Everything in Electronics
11.19


##  $24^{95}$ <br> 

- Featherweight only 3 oz .
- Operates on 120 Volts AC/DC
- Complete with 10 Watt Capsule, 3 Copper Tips



## 80 AMP ARC WELDING OUTFIT

- Continuous Manual Duty Cycle - 9 Heat Ranges, 20-80 Amps. Mocel 80 A hardworking portable welder. Industrial type. Built for continuous weld: ing on a wide variety of iobs for mainte. nance men, plumbers. steam-fitters. Repair-money-saver for farm, home, garage. shoo. Oual coil construction. Primary amps. 29 . Power factor. $80 \%$. Aic volts. 25. Welded metal cabinet $94 / 41242 \times 9242^{-2}$ complete with


## HEAVY-DUTY 125 AMP

Model 125A above. but super-industrial type for fast production and maintenance, featuring 16 instant heat stages ranging from

- Handles Ko" to $1_{0}^{\prime \prime}$ Rods on Work up to $1 /{ }^{\prime \prime}$ " thick
head shield, ground, power and welding cables. assorted electrodes, electrode hold. ef. 3-prong plug, ground clamp and easy instructions. Plugs into a 115 -volt line fused for 30 amps $50 / 60 \mathrm{~Hz}$ AC. Shpg. Wt., 39 lbs .


## 13 7 2051wx $\$ 5$ Monthly

$\qquad$ Net 71.95

## ARC WELDING OUTFIT

## CARBON ARC TORCH

Increases versatility of any are welder. AC or DC. Welds, solders, cuts, etc, all metals Handles up to $1 /{ }^{* *}$ carbons; use in heat ranges up to 125 amps. Two 5 ft . cables. Iugs four $1 / 4 *$ cored carbons.
13 T 2053 Shpg. wt. $24 / 2 \mathrm{lbs}$.
Net 9.95

## KESTER SOLDER AND FLUX

Jniform compound of $40 \%$ tin and $60 \%$ lead with evenly distributed and free-llowing flum.

Rester "44" Resin Core Solder

"SAL-MET" FLUX

109

- Non.corrosive

A non-corrosive flux that
will solder all metals
cleanty and permanently

- copper to aluminum
aluminum to aluminum, copper to steel, etc. No special treatment of metal required. Packed in 1 oz. tubes.
1474901


## ERSIN Multicore Solder

5-core construction assures constant maximum flux. Fast melting, non-corrosive, nonsticky, non-toxic. 2-Ib. packs in foam and skin wrap for utmost protection, non-axi. dation.

$40 \%$ TIN, $60 \%$ LEAO \# 16 GAUGE
1413501.1 lb . spool $\qquad$ Net 2.67 14735027 lb . spool \#16 GAUGE
$60 \%$ TIN, $40 \%$ LEAD \# 16 GAUGE
14 T 35031 lb. spool $\square$ Net 18.41 16. Spoo Net 3.34 3504 7 ib. spool Net 23.52 $60 \%$ TIN, $40 \%$ LEAD \# 18 GAUGE 14 T 35051 lb . spool $\qquad$ Net 3.40 14 T 35067 lb . spool $\qquad$ Net 23.50
OISPENSER PAKS: in flameproof aluminum tubes. $60 \%$ Tin, $40 \%$ Lead.
14 I 350718 gauge, 14 Fi.
Net .69
14 T 3508 Extra Thin 22 Gauge, 21 ft.
Net 69
BEAU-TECH SOLDERING AIDS

Hard-chrome plated tips to shed solder with both ends insulated from one another. Spade end for scraping joints, connections or reaming out lug holes. Snpg. wt., 4 oz.


## DYNAMIC 35 <br> PORTABLE ELECTRIC ARC WELDER

MARK


No Home Workshop Should Be Without One

$$
\begin{gathered}
\text { Complete } \\
\text { Ready To Use }
\end{gathered} 995
$$

- Weld-Braze-Solder-Cut
- Produces 11,000 ${ }^{\circ}$ Heat Operation on 110 Volt Line

Practical, dependable unit that produces professional welding-Save time, money by making your own repalis. Cuts and welds up $1 / 4^{\prime \prime}$ metals with $1 /^{\prime \prime}$ welding rods and $1 a^{\prime \prime}$ carbon. Completely portable. Simple instructions explain how to make spot nepairs. Weld-braze-solder-cut on most metals. Ideal for use around home-shop-farm-even repalif auto bodies. Includes welding and carbon rods, Protective mask. holders, 10 ft . H.D. cables. ground clamp. brazing rods, flux. solder and instruction manual. For lisv AC or DC. Shpg. wt., 6 lbs.
13 T 2054
Net 19.95

## SPYRALINE SOLDER



11 ft. of high quality. Ko" $60 / 40$ activated resin core solder in handy dispenser. Container is non-flammable-affords insulation when working on a "hot" circuit. Eliminates waste-pull out only what you need. Keeps solder clean and unsnarled. Shpg. wt., $1 / 2 \mathrm{db}$. 1473905

Singly, Ea. . 59
Phg. of 31.49
SPYRALINE PAINTEO CIRCUIT TOUCH UP SOLOER designed for a fast bond without overheating. Melting range of $240^{\circ}-320^{\circ} \mathrm{F}$; for low wattage soldering iron. Sate for silver, ceramics and transistors. Shpg. wt. $1 / 2 \mathrm{lb}$.
1413906 Net ea. . 69
Phg of 31.89
PRINT.KOTE SOLDER. Non-corrosive flux with low melting solder combined with pure silver. 2 oz . coil. Shog. wt., 4 oz . 13 T 6009 GC-9131

Net 64

## CHEMALLOY FLUXLESS ALUMINUM SOLDER




#### Abstract

New, improved, fluxless aluminum solder will solder, braze, or weld aluminum, zinc, potmetals, copper, brass, galvanized met. als, aluminized-copperized -tintied surfaces. Solders and "flils" die cast parts. - No Flux Needed-Easy To Use 14134014 oz. Bar, $500^{\circ}$ 14134031 lb . Bulk, $500^{\circ}$


| ALIGNMENT TOOLS <br> Average Snipping weight of all below: 8 oxs. |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Stock No. | TYPE | Fig. |  | description |  | Met |
| $13 Y 5050$ | 5000 | A | Alignment | Screwdriver-Gen | 1 Pursos | 42 |
| 13 T 6051 | 5066 | B | Short Align | ment Screwdriver |  |  |
| 13 Y 6052 | 5097 |  | K-Tran Al | ning Toot |  | . 78 |
| 13 T 6053 | 8155 | D | Channel Tu | ning Tool with ${ }^{\text {ane" }}$ bl |  | . 72 |
| 13 Y 6054 | 8196 | E | Short Reces | essed Blade for TV \& |  | . 42 |
| 13 T 6055 | 8271 | F | Stackpole | Stud-Type core aligne |  | . 60 |
| 13 T 6056 | 8274 | G | TV Long Alig | gner (Admiral, Zenith, | RCA) | . 90 |
| 13 T 6057 | 8275 | H | TV 2enith | Universal Aligner |  | . 52 |
| 13 T 6058 | 8276 | 1 | NV All-Purpo | pose Duplex Alligner |  | . 52 |
| 13 T 6059 | 8277 | 1 | TV "Shorty" | " All.Purpose Duplex | Aligner | . 52 |
| 13 T 6060 | 8278 | $k$ | TV Tuning | Wand |  | . 60 |
| 13 T 6061 | 8282 | 1 | Zenith TV | Wrench \& Aligner |  | . 37 |
| 13 T 6062 | 8606 |  | Zenith N | On Hex Wren |  | 48 |


| Stock No. | Type | Fig. | oescription |  |
| :---: | :---: | :---: | :---: | :---: |
| 13 T 6063 | 9087 | N | Siug Tuner Adjusting Tool | 75 |
| 13 T 6064 | 9089 | P | Westinghouse Tool | 57 |
| 13 T 6065 | 8272 | R | TV I.F. Osc Tool (RCA, G-E, Admiral) | 1.20 |
| 13 T 6056 | 8273 | S | TV All-Purpose Aligner, recessed blade | . 92 |
| 13 T 6067 | 8290 | $\boldsymbol{T}$ | Universal Screwdriver Allgner | 70 |
| 13 T 6058 | 8607 | U | Nyton TV Long-Reach Aligner | 1.60 |
| 13 T 6069 | 9105 | $v$ | $6^{\text {" }}$ Non-Mag Beryllum driver ${ }^{1 / 8}{ }^{\text {" }}$ | . 98 |
| 13 T 6070 | 8987 | w | X-57 Slim Line Screwdriver ${ }^{\prime \prime}$ | . 63 |
| 13 T 6071 | 8988 | w | X. 57 Slim Line Screwdriver $12^{\prime \prime}$ | . 93 |
| 13 T 6072 | 8728A | X | 7" Deirin Screwdriver | . 43 |
| 13 T 6073 | 8728 | $\times$ | 12" Long Delrin Screwdriver | 53 |
| 13 T 5074 | 9440 | Y | Transistor I.F. core alignment tool | . 63 |
| 13 T 6075 | 9298 | 2 | Recessed Driver with 1/9" Blade | . 48 |
| 13 Y 6076 | 9091 | AA | 5".125 Hex Double End Iron Core Tool | 40 |

## COLOR TV ALIGNMENT TOOL KIT

Five different alignment tools for all standard adjustments in color TV. Made of natural Delring for extra durability. Includes "Extend-1t" which makes each tool a long reach aligner. Each tool is color coded for easy identification. Packed In vinyl pocket saver.
13 T 6120 Shpg. wt., 6 oz . .............. Net 2.49

## INSPECTION MIRROR

Made of metal shaft with $1^{\prime \prime}$ dia- glass mirror and plastic handie. Length 7\%". Shpr. wt.. 5 oz.
13 T 6014
24" PICK-UP TOOL

Has mechanical fingers that will pick up and hold screws, nuts. and bolts. Just press button to open, release button to close. Flexible shaft. Shpg. wt., 4 oz.
13 T 5555
Net .79

## OELUXE CABINET REPAIR KIT

Comes in handy metal bor. Contains ten shades of shellac sticks, bottles of light and darh oil stain, bottles of metal shading varnish, polish. General Scratch Stik. alconol lamp (with alcohol) spatula, small brushes, steel wool, sandpaper. and wiping cloth. No special shill required. Directions. Shpg. wt., 3 lbs.
13 T 6084 Shpg. wt., 3 lbs.
Net 7.55

## REPAIR CRADLE <br> $5^{45}$ <br> 

G.C. "Quich-Rig" makes radjo repair work quick and easy. Complete $360^{\circ}$ rotation permits you to lock the chassis at the best working angle, clamps chassis securely and eliminates make shift setups. All metal, sturdy construction. Adjustable width for different sizes of turntables, etc. Shpg. wt. 5 los.
13 T 6089
Net 5.45


Contains $s$ essential tools in roll-type case. One each of above tools, fig: C-D-E-F-G-H-i. K-R. 13 T 6081 Shpg. wt., 8 oz. .............. Net 6.26

## T.V. ALIGNMENT TOOL KIT

A handy, all-purpose TV kit put up. in a convenient plastic contalner. Kit contains four basic essential tools with 8 serviceable sides that will service the majority of TV sets. Shpe. wt.. 1 lb .
12 T 3001
Net 1.79

## ILLUMINATEO

## MIRRCR

Battery powered, hinge mounted, inspecting lool with insulated shaft; perfect for inspecting in out-of-the-way places. Lacking switch for on-off and one-hand operation. Comes with bulb but less batteries ( 2 standard penlight cells). $121 / 4{ }^{\circ \prime}$ long. Shpg. wt., 1 lb.

## 13 T 6082

Net 2.02
Batteries fer above.
9916258
Net. ea. . 10

## FLEXIELE NECK INSPECTION UGHT

For use in any position. Perfect for hard to see areas in servicing TV's, Hi-Fi's, Auto and household appliances. Battery powered, with flexible chrome-plated neck and high intensity light beam. that puts the lirht where you want it. Durable plestic case with handy metal loop for hanging. Uses 2 "C" cells. Complete with extra bulb. Imported. Shpr. wt., 1 lb . 13 T 2750

TEL-A-TURN ALIGNMENT TOOLS


Automatically counts the turns right or left, fust insert the tool in screw head.or slug. line up calibrator sleeve, rotate tool, read the number of turns on calibrator. Made of polyester fiberglass with clear calibration sleeve. Shog. wt., 2 oz. IF Aligner. One end fits a $\# 4$ stud, the other end fits a $\# 6$ stud.
13 T 6077 ...... Tel-a-Turn Tool ...... Net 1.05 An alignment tool with standard metal tip at one end. Other end $3 / 4$.
13 T 607 S Tel-a-Turn Toul Net 1.05 A double-ended Hex aligner that turns both top and bottom slugs. One end has $100^{\circ}$ her, other is $.125^{\prime \prime}$ hex.
13 T 6079 ..... Tel-a-Turn Tool ...... Net 1.05


Contains five tools and a universal, doublechuck handle-all in an always handy, seethrough carrying case. Individual tools can be quichly replaced as needed. All tools are made of hard chrome-plated steet, to which solder will not adhere. The hex. shaped. double-chuck handle is rugged and comfortable to use. Shps. wit. $1 / 2 \mathrm{lb}$. 13 T 7414

Net 2.69

## 5 PIECE HEAT SINK KIT



Sot of 5 spring loaded aluminum heat sinks to protect components while soldering. includes $122^{*}$ and $21 / 2^{*}$ straight and bent jaws, and one $242^{-2}$ with magnetic base for use as a third "hand."
14 T 1501 Shpg. wt., 602.
Net 1.19


| Size |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| 1-Moun | nd Head Steel Nickel Plated |  | Machine Screws,$d$ |  |
|  | 3 T | 40 | 13 |  |
| $2.56 \times 1$ | $13 T 4$ | 40 | 13 |  |
| 56x3/4 | 13 T 4309 | 40 | 13 T 4313 |  |
| $36 \times 1 / 4^{\prime}$ | 13 T 7201 | 40 | 13 T 7226 |  |
| 361/2 | 13 T 7202 | 35 | 13 T 7227 |  |
| $36 \times 3$ |  | 35 |  |  |
| 32×1 | $13 T 7204$ | 40 | 13 T 7229 | . 6 |
| $32 \times 1$ | $13 T 7205$ | 30 | 13 T 7230 |  |
| 3213 | 13 I 7205 | 30 | 13 |  |
| $32 \times 1$ | 13 T 7209 | 30 | 13 T 7234 |  |
| 32x1/ | 211 | 25 | 12 |  |
| Fig 2-8i | Head Steel Machine Screws Nickel Plated |  |  |  |
| 4-40x1/4 | T 4314 | 40 | 13 |  |
|  | 431 | 35 | 13 |  |
| $5.32 \times 1 /$ | 13 T 7218 | 40 | 13 T 7242 |  |
| $6.32 \times 3 / 8$ | 4316 | 35 | 13 T 43 |  |
| 32×1/2 | 13 T 4317 | 30 | 13 |  |
| Fig. 3-Sell-Tapping Sheet Metal Screws; Nickel Plated |  |  |  |  |
|  |  |  |  |  |
| \# $4 \times 1 /$ | 13 T 722 | 35 | 13 |  |
|  | $13 T 722$ | 30 | 13 |  |
| \#6x1/ | 13 T 7223 | 25 | 13 T 72 |  |
|  | 13 T 7224 | 20 | 13 |  |
| Fig. 4-Knob Set Se |  |  |  |  |
|  | 13 T 7248 | 15 |  |  |
| Fig. 5-Hex Nuts, Nickel Plated |  |  |  |  |
| Assio. | 13 T 6021 | 30 |  |  |
| x 3 | 13 T 4320 | 40 | 13 T 4322 |  |
| 6x1/4" | 13 T 7249 | 40 | 13 T |  |
| 0x1/4* | 13 T 4329 | 40 | 13 T 4323 |  |
| 321/4* | 13 T 7250 | 40 | 13 |  |
| 2x5/16= | 13 17253 | 35 | 13 |  |



SELF-TAPPING SHEET METAL KIT
Contains balanced assortment of plated self. tapping, slotted hex head sheet metal screws in sizes: $74 \times 3 / /^{\prime \prime}$, $\# 6 \times 1 / 4^{*}, \# 6 \times 1 / 2^{\prime \prime}, \# 6$
 \#8 $\times 5 \mathrm{~s} 9$." Total of 165 pleces in handy compartmented plastic box with hinged cover. 13 T 7319 Shpg. Wt., 1 to. $\qquad$ Net 1.59 machine screws, wuts and shet metal SCREW KIT
Packet as above, Contains round-head steel plated machine screws in sizes: $4-40 \times 1 / 2$. $6 / 32 \times 1 / 4,6 / 32 \times 3 / 4,8 / 32 \times 1 / 2$, sheei metal screws. $\# 6 \times 1 / 2$ and assortment of nuts. Total of 265 pieces. Shpg. wt., 1 lb . 13 T 7320 $\qquad$
$\qquad$ Net 1.59 BINOER HEAD ASST.
Same as above but machine screws have binder heads.
13 r 7321 $\qquad$ Net 1.59 WOOD SCREW KIT
In same handy box. Contains assortment of 131 round head and llat head plated wood screws in 8 sizes for \%4. 6 and 8 holes. 13 T 7322 Shpg. wt., 1 lb.

| Size | $39 ¢$ Box <br> Stock No. aty.Box of 100 <br> Stock No. Not |
| :--- | :--- | :--- |
| Fig. 6 - Mounting Nuts, Nichel Plated |  |

Fig. 6 - Mounting Nuts, Nichel Plated \begin{tabular}{llllll}
\hline Vol. Cont \& 13 \& T 7256 \& 15 \& $13 T 4324$ \& 1.70

 

Toggle Sw. \& 13 T 7257 \& 10 \& 13 T 4325 \& 2.08 <br>
\hline
\end{tabular}

Fig. 7-Wing Nuts, Nickel Plated
Asstd. 13 T $4326 \quad 10$


| Asstd. | 13 T 7263 |  |  |
| :---: | :---: | :---: | :---: |
| * 4 |  | 1314327 | . 38 |
| \# 6 |  | 13 T 7275 | . 38 |
| \#8 |  | 13 T 7276 | . 38 |
| \#10 |  | 13 T 4328 | . 43 |

Fig. 9-Lockwashers, Cadmium Plated

| $\# 4$ <br> $\# 8$ <br> 8 | 13 T 6022 | 1314329 |  | 51 |
| :---: | :---: | :---: | :---: | :---: |
|  |  | 60 | 13 ¢ 7277 | . 51 |
| \# 8 | 13 T 6023 | 55 | 13 T 7278 | . 56 |
| $\# 10$ | 13 T 7264 | 55 | 13 「7279 | . 56 |
| Fig. 11-Cup Washers, Nickel Piated |  |  |  |  |
|  |  |  | 13 T 7283 |  |
| \#8 |  |  | 13 T 7284 | . 59 |
| \#10 | 13 T 7265 | 35 | 13 T 7285 | . 67 |



## 

 Solder Lugs, Hot in Dipped Hole fig.|  | 17 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| \# 8 | 17 | 13 <br> 13 | 30 30 | 13 T 4335 13 T 7311 | . 07 |
| \# 6 | 18 | 13 T 4332 | 30 | 13 T4336 | 1.07 |
| \#8 | 18 | 13 T 7295 | 30 | 13 T 6039 | 1.06 |
| \#6 | 19 | 13 T 4333 | 30 | 13 T 4337 | 1.19 |
| \#8 | 19 | 13 T 6026 | 30 | 13 T6040 | 1.0 |
| \# 6 | 20 | 13 T 4334 | 30 | 13 T6041 | 1.36 |
| \#8 | 20 | 13 T 6027 | 30 |  |  |
| \#10 | 20 | 13 T6028 | 30 | 13 T 6042 | 1.36 |


| $1 / 8.3 / 16^{\prime \prime}$ | 13 T 7296 | 25 | 13 T 7312 | 1.12 |
| :--- | :--- | :--- | :--- | :--- | :--- | | $1 / 8 / 16-1 / 4^{* \prime}$ | 13 T 7297 | 20 | 13 r 7313 | 1.29 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |

Fig. 22-Tension Springs
Asstd. Lg. I3 T $6030 \quad 10$
Asstd. Sm. 13 T 603110
Fig. 23-Compression Springs
Asstd. Sm. 13 T $6032 \quad 15$
Assid. Lg. 13 T 603315

| 1/4" | 13 T 729 | 16 | 13 T 7314 | 1.60 |
| :---: | :---: | :---: | :---: | :---: |
| 16 | 13 T 7299 | 14 | 13T7315 | 1.82 |
| $8^{\prime \prime}$ | 13 T 7309 | 12 | 13 T 7316 | 1.60 |
| 2** | 13 T 7302 | 10 |  | 2.74 |
| 5/8" | 13 T 7303 |  |  |  |

Fig. 25-Rubber Feet

## Asstd. 13 T 60348

$\begin{array}{llllll}3 \text { 3s. } \\ 5 / 8^{-} & 0 . D . & 13 \text { T } 6035 & 8 & 13 \text { T } 6044 & 1.45\end{array}$

| $5 / 8^{\sim}$ | 0.0. | 13 T 6036 | 8 | 13 T 6045 | 2.71 |
| :--- | :--- | :--- | :--- | :--- | :--- |

Fig. 26-Rubber Tack Bumpers

| $5 / 8^{\prime \prime}$ | O.D. | 13 T 7304 | 10 | 13 T 6046 | 2.04 |
| :--- | :--- | :--- | :--- | :--- | :--- |

Fig. 27-Cord Strain Rellief
For Post 13 T 60375
-37 rest 5


- Fits Over 250 Combinations of Thread Sizes
- Self Tapping! Self Locking

A selection of 21 tough Dupont nyion nuts for hundreds of uses in the home or shop. Fits sizes from $3 / /^{\prime \prime}$ to $3 / \mathrm{s}^{\prime \prime}$ diameter. Left hand. right hand, wood screws. Self tapping. self lockine.
12 T 2801 Shpg. wt., 3 oz.
Net $\mathbf{B 9}$

## MASTER NYLON NUT KIT

Mechanic's assortment of over 70 nylon nuts described above. Covered, compartmented plastic case.
12 T 2802 Shpg. wt., 602
02
Net 1.59

## WIRE BENDING JIG



Handi-Bender forms wire sizes up to $\mathrm{y}_{4} \mathrm{~m}^{\mathrm{m}}$ dia. Steel slots and steel bending pins make basic bends such as eyes, angles, curves, circles, and for straightening wire. Makes dozens of useful and decorative articles. Complete instructions included. Shpg. wt.. $1 / 2 \mathrm{lb}$.
14 T 7010
Net 19


All stainless steel $51 / 2^{-}$long. They have unusual holding qualities necessary in many servicing situations. Shpg. wt., $11 / 2 \mathrm{lbs}$.
14 I 2301 Straight Nose $\qquad$ Net 2.49 14 T 2302 Curved Nose Net 2.59

## G.C. SERVICE TWEEZERS



Made of polished nickel-plated spring steel. Shpg. wt., 4 oz.
Self-Closing type. $61 / 2^{\prime \prime}$ long, with blunt points.
13 T 6085 (A) $\qquad$ Net .99 Heavy-Duty Type. $61 / 2$ " long, with slide lock and blunt points.
13 T 6086 (B) $\qquad$ Net 1.10 Precision Type. 41/2"L. Pointed.
13 T 6087 (C)
Net .75
All 3 above in leatherette case.
13 T 6088
Net 2.84

## Waldom Solderless Terminals and Connectors

Highest quality terminals made of pure copper，eiec． trotin plated．Insulated types have permanently at． tached rigid vinyl sleeves．Crimp on rapidly and make positive，unlformly reliable connections． Column headed＂Type＂；今T is spade Tongue；HT is

Hook Tongue；FS is Flanged Spade；RT is Ring Tongue；$\theta$ is Butt Connector（iength of non－insulated K．＂insulated＂Kic＂）；QDM is Quick Disconnect Maie； QDF is Quick Disconnect Female；NI is Nyion in－ sulated Closed End Connector．

| Type |  | $\begin{aligned} & \text { Wire } \\ & \text { Range } \end{aligned}$ | $\begin{aligned} & \text { stud } \\ & \text { size } \end{aligned}$ | ary. steck No | Met | $\begin{gathered} \text { ATEO } \\ \text { Qty. } \\ \hline \end{gathered}$ | TYPES <br> Stock No | Met | aty．Stock No． |  | TYPES <br> ty．Stock Ne． | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ST |  | 22.18 | 4.6 | 4513 T 7360 | 1.09 | 100 | 13 T 7323 | 2.27 | 2013 T 7379 | 1.09 | 10013 T 7347 | 4.47 |
| ST |  | 22.18 |  | 4513 Y 7361 | 1.09 | 100 | 13 I7324 | 2.27 | 2013 Y7380 | 1.09 | 10013 T 7348 | 4.47 |
| ST |  | 22－18 | 10 | 4513 T 7362 | 1.09 |  | 13 ¢7325 | 2.27 | 2013 Y 7381 | 1.09 | 10013 T 7349 | 4.47 |
| ST |  | 16－14 | 4－6 | $451317363^{\circ}$ | 1.09 | 100 | 13 T7326 | 2.27 | 2013 Y 7382† | 1.09 | 1001317350 | 4.47 |
| ST |  |  |  | 4513 T7364 | 1.09 | 100 | 13 I7327 | 2.27 | 2013 T7383 | 1.09 | 10013 T 7351 | 4.47 |
| ST |  | 16－14 | 10 | 4513 ¢7365＊ | 1.09 | 100 | 13 ¢7328 | 2.27 | 20 13 「7384† | 1.09 | 10013 Y7352 | 4.47 |
| HT |  | 22－18 | 4.6 | 4513 ¢7365＊ | 1.09 | 100 | 13 ז7329 | 2.27 | 2013 「7385 | 1.09 | 10013 T 7353 | 4．47 |
| Fs |  | 22.18 | 4.6 | $451317367^{\circ}$ | 1.09 | 100 | 13 T7330 | 2.27 | 2013 T 7386 ${ }^{\text {¢ }}$ | 1.09 | 1001317354 | 47 |
| FS |  | 16－14 | 4.6 | 4513 T7368 | 1.09 | 100 | 13 「7331 | 27 | 2013 17387 | 1.09 | 1001377355 | 4.47 |
| RT |  | 22－18 | 4.6 | 4513 T $7365^{\circ}$ | 1.09 | 100 | 13 T 7332 |  | 2013 T 7388¢ |  | 1001377356 | 4.47 |
| RT |  | 22－18 | 8 | 4513 T 7370 | 1.09 | 100 | 13 T 4303 | 2.27 | 2013 ¢7389 | 1.09 | 1001374305 | 4.47 |
| RT |  | 22－18 | 10 | 451317371 | 1.09 | 100 | 13 T7333 | 2.27 | 2013 T $7390+$ | 1.09 | 1001377357 | 4.47 |
| RT |  |  | 4－6 | $451317372^{\circ}$ |  |  | 13 T 7334 | 2.27 | 2013 7 7399＋ | 1.09 | 10013 ¢ 7350 | 4.47 |
| RT |  | 16．14 | $8-10$ | $4513 \mathrm{~T} 7373^{\circ}$ |  | 100 | 13 T 7335 | 2.27 | 2013 T $7392 \dagger$ | 1.09 | 1001317359 | 4.47 |
| RT |  | 12．10 | 8.100 | 3213 「7374＊ | 1.09 | 100 | 13 74304 | 3.30 | 1713 ¢7393† | 1.09 | 1001374306 | 5．79 |
| 日 |  |  |  | 4513 T $7375^{\circ}$ |  |  | 13 T 7336 |  | 1813 T 7394 t | 1.09 | 10013 T 7337 | 5．28 |
|  |  | 16．14 |  | 451317376 | 1.09 |  | 13 ¢7338 | 2.27 | 1813 I 7395 | 1.09 | 10013 ¢ 7339 | 5.28 |
| ODA |  | $18.14{ }^{1}$ | 1／4＂Male | 4513 「 $7377^{\circ}$ | 1.09 | 100 | 13 「7340 | 2.27 | 1913 T 7396 | ． 09 | 10013 T 7342 | 80 |
| QDF |  |  | 1／4＂Female | 4513 r $7378^{\circ}$ | 1.09 | 100 | 13 「7341 | 2.27 | 1913 r 73974 | ． 09 | 10013 r 7343 | ． 80 |
| NI |  | 22.14 | 0．D．5／16＂， | I．D． $1 / 4^{*}$ ，Lgth． | 39／64 |  |  |  | 2713 T 73581 | 1.09 | 10013 T 7344 | ． 89 |
|  | G 1 | 10 | 0．0．7／16 | I．0．3／8＂，Lgth | 23／32 |  |  |  | 151317399 | 1.0 | 10013 T 7345 | 5．68 |




Fig．F Mati Fig．F Female

## SOLDERLESS TERMINALS，CONNECTOR ASSORTMENT WITH CRIMPING TOOLS

215 Non－insulated Types indicated by as－ terisk（＂）above，plus Universal Crimping Tool．In handy compartmented plastic box． 13 T 4301 Shpg．wt．， 4 lbs

138 Insulated Types Indicated by（ $\dagger$ ）above， plus Universal Crimping Tool．In handy com－ partmented olastic box with hineed cover． 13 T 4302 Shpg．wt．， 3 lbs．Net 12.05


## Th： 10 <br> CRIMPING TOOL with BOLT CUTTER

－Crimps Insulated \＆Non－
－Slices 6 bolt Sizes
Mandy，fast tool for all electrical con－ nections．No solder．
ing needed．Cuts and strips wire 22 to 10 gauge．Wire cutter at tip for close work． Crimps both insulated and non－insulated terminals．Bolt slicer accommodates 6 sizes of bolts．4－40，5－40，6－32．8．32，10－32 and 10－24．Gleaming chrome plated steel for beauty and durability．Insulated handies． 13 T 7700 Shps．wt．， 1 lb ．

## CRIMPING TOOL <br> AND TERMINALS

－Wire Cutter，
Wire Stripper
－Includes Assortment 9 of Terminals A complete crimp tool kit for home，shop．Sol．
derless terminal crimp tool cuts any size wire up to 10 gauge，strips wire easily with clearly marked gauges．Crimps terminals quichily with precision tooled crimping dyes． Easy to use with comfortable insulated handles．Complete with plastic box of as． sorted solderless terminals and connectors． Imported．
1317000 Shpg．wt．， 1 lv. $\qquad$ Net 2.19

## TRANSISTOR 25 SILICONE GREASE WITH INJECTOR

Easily dispenses compound to hard to reach areas when replac－ ing transistors．Injector made of polyethylene plastic with neo－ prene plunger．
13 T 6109 Wt． 10 02．Net 2.39


－Dries in Minutes －No Brush，Fuss or Muss For fast，easy painting of smat jobs，touchup，on－the－spo maintenance，etc．Use Indoors or outdoors．Net wt．per can approx 1 pt．Shps．wt．， 1 lo．


Coler
 Stoch No．

Bright Silver（alum）
Glossy White
Flat White
Glossy Black
Flat Blach
Machine Grey
An 1.29 ea．

Cherry Red 450 13 T1451 13 T 1452 13 T 1454 13 T 1455 13 T 1455 13 T 1456 $3 T 1462$

## CRYSTAL CLEAR ACRYLIC SPRAY

Dry in minutes，goes on clear－stays clear， lough，pliable，lasting．Prevents deteriora ion and moisture breakdown of insulation． Preserves and protects．
13 T 1467 Net 1．39
Lots of 31.29

## TRANSPARENT UTILITY BOXES

，
$50^{c}$

## CHEMICALS

Bakelite Cement．The only prac－ tical cement for bakellte．Cements bakellite to bakellte and other ma－ terials．Shpg．wt． $50 z$. 13760952015.


Plastic Cement．For all types of plastic．Fast drying－waterproof－stronk bond．
13 W 50962 o2s．Shpg．wt．， 5 oz．－Net 59 Pliobond cement．Sticks anything to any－ thing．Dries rapidiy－waterproof－very high strength．Shpg．wt．， 502.
13760972075.

Net． 60
Red．X Corona Dope．Prevents corona shorts in HI－Voltage circuits．Flexible－fast drying． 13 T 60902 ors．Shpg．wt．， 5 oz－Net． 79 Creme－O－Wax Polish．For TV and radio cabi－ nets．Hard－glassy，durable finish．
13 T $60991 / 2 \mathrm{pt}$ ．Shpg．wt．， $1 \mathrm{lb} . . .$. Net .70 Electronic Centact cleaner．New red cleaner－ made with Lube－Rex．Fast drying－uni． versal contact cleaner．Shpg．wt．， 50 oz ． 13 T6101 2 ozs．

Net ． 60
13 T iquid Mon－slip．Penetrating－fast drying Prolongs life of cables and belts．Prevents slipping．Shpg．wt．， 5 oz．
13 T 61022 ors．
Net 55
Phone－Lubricant．Special lubricant for phonos．Will not thin out．Clings to metal surface． 2 oz．tube．Shps．wt， 5 oz． 13 T 6103

Net ． 55 Fiono Nea－Slip．Prevents sllppage on turn－ tables．changers，tape recorders，etc． 13 T 6105 Shpt．wt．， 1 lb．．．．．．．．．．．．．．．Net ． 96 service Cement．For repairing speakers and general radio work．Vibration－proof．water－ proof－fast drying．
13 T 61062 ozs．Shipg．wt．， 5 oz．－Net ． 59 13 T 61074 ozs．Shpg，wt．， 8 oz．－Net .89 13 T 61088 ors．Shpg．wt．， 1 it．－Net 1.59
Clear plastic boxes ideal for storing screws， nuts，boits and hundreds of other small parts．With hinged cover，built－in partitions．

| Stock No． | Dimensions | Com． part． | wt． | E． |
| :---: | :---: | :---: | :---: | :---: |
| 14 T 6602 | $87_{12} \times 41 / 8 \times 11 / 4{ }^{\prime \prime}$ | 6 | 702. | ． 50 |
| 14 T6603 | 67／0x 3 78×11／0＂ | 9 | 502. | ． 42 |
| 1416604 | $87, \times 41 / 0 \times 11 / 4^{\prime \prime}$ | 12 | 7 oz ． | ． 50 |
| 14 T 6605 | 10\％$x^{\text {x }}$ 1\％， $22^{\prime \prime}$ | 18 | 17 oz. | 1.27 |

CONTACT NEEDLE INJECTOR

Made on the hypodermic piln． ciple to inject cleaners and oils into shafts，controls and tight places．Supplied with 2－02． bottle．Shpg．wt．， 5 oz ．
13 T 6092


# UNIMAT Miniature Machine Shop <br> <br> THE ALL－PURPOSE 6－in－1 

 <br> <br> THE ALL－PURPOSE 6－in－1}

## METAL－MACHINING WORKSHOP

－Precision Metal－Working Lathe
－11－Speed Ball－Bearing Spindle，
Accurate to $1 / 2$ Thousandths
－Converts to Vertical Mill or Drill in Seconds
－Turn，Mill，Bore，Saw，Buff，Sand，
Polish，Grind－Steel，Aluminum，Brass，Plastic or Wood
－Ideal for R\＆D Labs，Model Shops，Electronic and Home Workshops
SPECIFICATIOAS：Complete 5 －in－1 machine shop small ensugh to use on a radio serviceman＇s bench．Designed as a multi－functional power loot．Converts from horizontal lathe to vertical drill press．The changeover causes no wear or loss of accuracy in precision fit parts．The motor－headstock detaches for use as a po table hand drill，power grinder or buffer．Extra attachments available include a very accurate circular saw，saber and jig saw，flexible shaft，tathe bed power feed，threading attachment，precision collets and cuitting tools．Belt drive provides 11 speeds ranging from 900 to 7,200 RPM． motor can also be controlled by rheostat loot switch or SCR power supply．

Includes $1 / 10$ HP Brush Type fan cooled motor，drill press arm，col－ umn and hand lever，face plate，lathe dog，grindstone arbor，tool post， 2 dead centers， $1 / 4^{*}$＂Jacobs chuck and key．Allen wrench roughing tool bit，and a spindle return spring． $171 / 2 \times 101 / 2 \times 534^{\prime \prime}$ wood chest． 40 －page manual．For 115 V AC／DC operatior．Imported． Shpg．wt． 30 los．
14 广 $1014 w x$ \＄7．50 Monthly $\qquad$ Net 139.50


## UNIMAT ATTACHMENTS AND ACCESSORIES

Modet DB－1001 3 jaw universal latne chuch with reversing jaws， key and back plate．Shpg．wt．， 1 lb ．
14 T 1013
10 Mini－ $\qquad$ Net 24.95
Model DB－1210 Millinz Table： $5^{\prime \prime} \times 3^{\prime \prime}$ with clamps． Net 12.50
Model DB－1010 Machine Vise：jaws open 11／a＂．Mounts uross sllde of mill table．

Model DB－2800：Set of 6 Lathe Tool Blts．
14 「 1005
．

## Handy Sabre－Lathe Multi－Purpose Shop Tool



BURGESS VIBRO－TOOL KIT
－Versatile Multi－purpose Tool
－Files－Saws－Cleans－ Deburrs－Engraves
－Complete With 6 Accessories
Pertorms many operations on nearly any hind of material with its acces－ sories．Feafures molor control switch plus dial setting for engrav－ ing depth．Heay－duty 2－speed motor delivers 3600 and 7200 strokes per minute．Rugged nylon

housing．Molded plastic case with accessory storage area．Complete with accessories：Carbide tipped engraving point．knlfe blade，saw blade， half round chisel $1 / 2$ inch tool，hammer and abrasive peint．Shpg． $\mathrm{wt} . \mathrm{w}^{11 / 2 \mathrm{lbs} \text { ．}}$
13 「 8053
Tools Are Available On Easy Pay Plan－No Money Down

## ONLY <br> $29^{95}$

A home shop tool that will excite the interest of every home crafts． manl powerful， 3 －speed motor provides plenty of drive for evers operation．．．unit changes for any purpose in just seconds．Complete with wood turning chisel，sanding discs，sanding drum discs，$]$ sabre saw blades， $45^{\circ}$ adjustable sanding table．Entire，unlt is mounted on wooden base for easy portability and stability．Lathe has $18^{*}$ bed， $4^{\prime \prime}$ throat，can be used for spindle or face plate turning． 115 volt，approximately $1 / 3$ h．p，motor，$A C$ only．Output speeds 3,700 ， 3,300 and $3,100 \mathrm{rpm}$ ．With Illustrated instruction booklet．Mounted on 32 ＂$\times \mathrm{F}^{\prime \prime \prime}$ board． 13 T 3650 w Shpr．wt．， 16 lbs．

Net 29.95

## BVI ELECTRIC PENCIL

## $6^{9}$

－Writes On Metal－Wood－ Plastic
－No Heat－Vibrating Point Engraves Keys－Tools－ Toys－Jewelry


Handy，useful．．．mark，identify and engrave names，design decorato effects on luggage tags，toys，sporting goods，tools and kitchen－ ware．Automatic with built－in mercury switch．You pich it up－it turns on．Put it down and It turns off．Easy as a pencll．Marks won＇： erase，smear or rub off．Tough hardened steel point vibrates 7200 strokes a minute，Lightweight． $7 \times 3 \times 2 \times 110$ V， $50-60$ cycle $A C$ motor，Shpg．wt． 5 lbs．
13 T 8054


- $11 / 2$ HP Burnout Protected Motor
- 5200 RPM No Load Speed 10 Amp Motor
- UL Listed Motor

Model 574 Tackle the "big" jobs, with this dependable $71 / 4$ " builders' saw. Reinforced die-cast housing that really stands up. Cuts $2 x 4^{\prime}$ 's with ease, at $45^{\circ}$ angle. Easy set bevel and depth adjustments. Safe non-binding blade guard with vari-torque safety clutch. Sawdust ejector keeps your work clean, lets you see what you are doing. $71 / 4^{\prime \prime}$ combination blade and blade wrench. Powerful $11 / 2$ HP motor is designed to be trouble free. Cutting depth: $90^{\circ} 23 / \mathrm{B}^{\prime \prime}, 45^{\circ}$ $17 / \mathrm{s}^{\prime \prime}, 10 \mathrm{amps}$. UL Histed. 115 volts AC, 3 wire cord and plug. Shpg. wt., $121 / 2 \mathrm{lbs}$.
13 T 6926 Shpg. wt., $121 / 2 \mathrm{lbs}$. $\qquad$ Net 29.88 13 Y 6912 Rip Fence Net 1.79


Model F-7X: Powerful 8 ampere motor provides this big $71 / 4^{\prime \prime}$ cir. cular saw plenty of reserve power to zip through straight or angle cuts. Cuts vertically to $2 \%_{0}^{\circ}$ at $90^{\circ}$ to $2 \%^{\prime \prime}$ at $45^{\circ}$. Features selflubricating bronze bearings, floating blade guard, safety retracting handle, combination rip and crosscut blade and 3 -wire cord and plug. No load speed, 5,000 RPM, Motor is a universal $11 / 2$ HP AC-DC 115 volts. UL Usted. With safety slip clutch. Bright mirror finish. 13 T 7128 Shpg. wt, 15 lbs. ____..... Net 22.95 SAW TABLE for above saw. Allows cutting at any angle between $45^{\circ}$ and $90^{\circ}$. Complete with mitre gauge and rip fence. 13 斤 7104 Shpg. wt., 12 lbs. $\qquad$ Net 9.95


- With Blade And Guard

Versatile, precision machine saw ... will handle the wide-range of miscellaneous cutting jobs that abound in every workshop. Easily converts from square cut to rip or any miter cut without raising or lowering saw, or changing fence position. Features top elevation handles and up front safety switch for maximum safety. Positive locks wont shift while cutting in $90^{\circ}$ and $45^{\circ}$ positions. Rotates $180^{\circ}$ vertically with positive bevel indexing at each $45^{\circ}{ }^{\circ} 360^{\circ}$ rotation horizontally with positive indexing at $45^{\circ}$ left and right hand miter positions. $11 / 4 \mathrm{hp}$ direct-drive, fan-cooted motor delivers 3425 rpm
under full load. Motor bearings: Ball and Sleeve; standard guard $8^{\circ}$; under ful load. Motor bearings: Maximum depth of cut: L1F:4.". Ripping capacity width: $241 / \mathrm{s}^{*}$. Scales: Miter Bevel; Bevel Rip. Work table overall size: $20 \times 32^{\prime \prime}$. For 120 V ., 60 Hz AC . 1 -piece steel base and frame wrapresistant Novaply worktable, UL listed. 12 T 6863 wx $\$ 7$ Monthly Shps. wt., 88 ibs. $\qquad$ Net 129.00 Model R-1105 Home Strop Metal Leg Stand for above. Wt., 23 Ibs. 12 T 6ef4wx $\qquad$ 23 lbs.
Net 19.95 Net is,95 $26^{95}$

Big capacity saw specially bullt to handle the toughest of cutting iobs. Has rugged $21 / 2$ HP 5.000 RPM General Electric motor, Big 71/2" Chrome-Nickel hardened steel combination blade easily cuts through
hardwood, masonite, wallboard--practically any material. Balanced design, and lightweight provides effortless control for paev handling. Features a ball-bearing slip clutch which eliminates kickbacks, springback blade guard and adjustable rip gauge. Quickly cuts through $2 x 4^{\prime} \mathrm{s}$ at $45^{\circ}$ angle. Easy set bevel and depth ajiustment. With 3 -conductor cord and wire strain relief and Auxillary Handle. UL listed. For 115 volts AC $25-60$ cycles. Shpg, wt., 14 lbs.
14 T $46: 1$ \$5 Monthly $\qquad$ Net 34.95


RAM 1/4 H.P. ROUTER


Model R60: For hobbyists, home repair. men. Easy-to-make smooth cuts with or against the grain for fine inlaying, grooving, routing, fluting, cove-cutt. ing, dove tailing. Features threading base with positive lever-locking depth at cut adjustment: veneer cutting guide and wrench included. $1 / 4^{\prime \prime}$ chuck
uses standard router bits. Hei ght $8^{\circ \prime}$. For $115 \mathrm{~V}, 60 \mathrm{~Hz} \mathrm{AC}, 20,000$ RPM cutting speed. UL Listed. Shipg. wt., 5 lbs. 13 T 7108 $\qquad$ Nei 29.95 4.Pc. Router Bit Set. Shpg. wt., 1 lb.
13 T 7113 13 T 7113 $\qquad$ Net 9.95
ELECTRIC PLANER

- Adiustable Guide Permits Planning At Any Desired Angle
Does a professional job of planing! Easily adjustable planing depths of $1 / 32^{\prime \prime}$ and $1 / 64^{\prime \prime} .2$ hardened steel, adjustable cutting blades may be re. moved for sharpening, adjustable fence and angle guide may be removed for planing flush into corner. Bum-out protection, Motor develops $3 / 8 \mathrm{hp}$. (industrial rating). Spindle speed 14. 000 rpm with double race bali bearings Dle-cast aluminum housing. With 3 cond. cord. for $115 \mathrm{~V} 50 / 60 \mathrm{~Hz} \mathrm{AC}$. 13 T' 3658 Shpg. wt., 7 lbs. . Net 25.95


## WEN

HEAVY-DUTY VARIABLE SPEED SABRE-JG SAW

Powered By
GENERAL ELECTRIC MOTOR

## $27^{95}$

- "Dial Control" Any Speed From 0.4800 S.P.M.
- Cuts Thru $6 \times 6$ Lumber

Electronic dial variable speed control lets you use this one fool for any cutting job. Cuts through $6^{*}$ logs, $6 \times 6^{\prime \prime}$ lumber, metal pipe, masonite-practically any material-yet does accurate cutting of intricate patterns. Makes its own starting hole. Vary speed from $0-4800$ S.P.M. with maximum cutting power at every speed. Low speed for steel and plastics, medium for non-ferrous me"als, high for rip or cross cut. Bevel cuts to $45^{\circ}$. Features a $5 \mathrm{amp}, 1 / 3 \mathrm{MP}$ General Electric motor, and saw dust blower, With 6' 3-cond. cord, 5 assorted blades and rip gauge. For 115 VAC, $25-60 \mathrm{HZ}$. UL listed, 14 T 4805 Shpg. wt., $41 / 2$ lbs. $\qquad$ Net 27.95 Heavy-Duty Sabre Jig.Saw. Similar to above less variable dial speed control, 3.5 amp . motor. Shpg. wt., $41 / 4 \mathrm{lbs}$.
14 T 4806
Net 20.95 Motor

- Exactly The Right Speed

Under Your Thumb

- Rips Through 6" Logs

Model 521 -Take on a variety of cutting jobs more elficiently, Pres sure sensitive, thumb operated speed control automatically varies torque and speed as you cut ... no wasting of time presetting speeds. Low speed for metal; high speed for wood; intermediate speeds for plastics, masonite, plaster board, rubber, etc. Souped-up $1 / 2$ H.P. motor drives blade from 0 to $28001^{\prime \prime}$ strokes per minute. Extra-large adjustable shoe plate provides complete cutting flexibility; plunge cuts, flush cuts, right or left $45^{\circ}$ angle cuts. Cuts curves and perfect circles; scrolls or fine pattern work. Also has calibrated $8^{\circ}$ adjustable rip guide. Includes 7 -blades for every cutting job; 3 -wire $6^{\circ}$ cord with adapter, 115 VAC. UL/CSA listed. 13 T 6538 Wt., 4 lbs. See Blades Below

Net 25.95


- 1/4 HP Motor • With Rip Guide MODEL F-0: A rugged, multi-purpose sabre saw. Can be used as a rip, crosscut, jig saw. hack saw, band, coping, keyhole and scroli saw, Easily cuts $2 \times 4$ 's, plywood plastic. composition board aluminum and a host of other materials. Powerful $1 / 4$ H.P. motor with a builtin cooling system, produces 3500 11/16" long strokes per minute. Ad. justable base, rip guide and mitre gauge. Bevel cuts from $0^{\circ}$ to $45^{\circ}$. "On/Off" slide. switch. With 3 -assorted blades. For 115 V ., 60 Hz AC/DC. UL listed. Has mirror finish.
13 I 7116 Shpg. wt., 4 lbs . Net 12.95 Wood Cutting Blades, Pkg. of 6
13 โ 7117 $\qquad$ Net 1.69
Metal Cutting Blades, pkg. of 3
13 โ 7118
Net 1.25


## ELECTRIC CIRCULAR SAW BLADES

Fast cutting, long lasting, edge holding. rust-resistant! Select the correct blade for the fob. For use with 7" or 71/4" electric saws with $5 / 8^{"}$ round arbor hole. Fits Power Saws On Page 380. Shpg. wt., $1 / 2$ ib. Combination Blade: For cross-cut and rip work.
13 T 7105
Net 1.69 Planer Blade: Hollow-ground for very smooth cutting, cross-cut. rip. mitre. 13 T 7107

Net 3.75
Flooring Blade: for repalring floors, and cutting where nalls are encountered. 13 T 7106

Net 1.69
Plywood Blade: Hollow ground, fine tooth for smooth, splinter-free cutting of plywood
13 T 7131
Net 3.75


- Heavy-Duty $2 / 2$ HP Motor

Model 90e. "Souped.up" heavy duty-fast cutling - i/. HP saw for every kind of sawing, Cuts metals up to $12^{\prime \prime}$. Cuts pipe and thin wall up to $2^{\prime \prime}$. Cuts curves, circles, and straight lines. Cuts $2 \times 4$ 's, $4 \times 4$ 's and $6 \times 6$ 's. Makes its own starting holes. Motor fan blows alf stream over work to keep the guide free of sawdust. Complete with 7 blades designed for all sorts of regular and special cutting. Powerful 6 amp 110 VAC motor. $30001^{\prime \prime}$ SPM. UL listed. Shipg. wt. 9 lbs.
13 T 650 \% $\$ 5$ Monthly $\qquad$ Net 34.97
SAW TAEAE FOR WEM "g09" \& "9090". Heavy dufy table for straight cuts, circle, curve, bevel, and angle cuts. Size: $18 \times 18 \times$ 81/2"
13 T 650 S Shpg. wt., 14 lbs ._net 11.20 EXTRA BLADES FOR WEN Models "909"-"9090"-"521". Average Shpg. wt., 802 . $1 / 2 \times 746$ "- Very fast rough cuts, pkg. of 3. 13 T 6505 ..................................... 1.35 $1 / 2 \times 34 \%$-Fast rought cuts, pkg. of 3 13 T 6507 Net 1.15 $5 / 16 \times 23 / /^{\prime \prime}$-Medium cuts, pkg. of 3 .
13 T650a $3 / 16 \times 2 \div 2^{\prime \prime}$-Fine scroll cuts, pkg. of 3 . 13 T6504 ….............................. 90 $5 / 16 \times 31 / 3^{\prime \prime}$ High-speed steel, pkg. of 3 . 13 T 6511 ......................................... 1.35 $5 / 16 \times 3 \mathrm{y} 44^{\prime \prime}$-High-speed,extra fine, pkg.of 3 13 T 6512 $\qquad$ Net 1.35 Pkg. of 1 . One each of above blades plus knife blade. 13 T6513 $\qquad$ Net 2.55


No Money Down
Powered By GENERAL ELECTRIC MOTOR

- 2 HP-10 Amps
- With Oregon "Omark" Chain and Bar

A powerful, top quality chain saw designed for professional or industrial use. This rugged, multi-purpose tool will also do dozens of jobs for the home craftsman, carpenter, contractor, or on the farm. Posittive chain adjustment eliminates slack. Chain travels at 2650 feet $\mathrm{P} / \mathrm{mln}$ ute for fast, true cuts up to 10 inches deep. Cool running quiet helical cut gears in a sealed grease chamber. Self lubricating bearings. Beautifully balanced weighs only 12 lbs. 10 Amp 2 HP motor. UL and CSA listed. Wt., 14 lbs 14 T 4804w $\$ 5$ Monthly $\qquad$ Net 50.95

## 14" CHAM SAW WITH OILER

Similar to above but with wrap-around handle. $101 / 4 \mathrm{Amp} 21 / 2 \mathrm{HP}$ motor. Depth of cut 14 ". Shog. wt., 16 lbs.
14 T4812W $\$ 5$ Monthly $\qquad$ Net 99.95


## ELECTRIC BENCH TOP POWER TOOL



# Popular Power Tools for 



(A) WEN 2-SPEED 7"

- Powerful $1 / 2$ H.P. Motor
- Burnout-Proof Armature
- Sands Metal and Plastics

Model 940: Combines two handy tools $\ldots$ a sander operating at 3400 RPM and an efficlent polisher at 1800 RPM. As a sander, you get the right combination of high speed and oversize sanding discs. Has perfect balance auxiliary grip handle for right or left hand use. Tool rest. Extra large wool polishing bonnet permits working around and over edges. UL and CSA Listed. Shpg. wt., $81 / 2 \mathrm{lbs}$. 13 T 6518 $\$ 5$ Monthly

Net 34.97

## McGRAW EDISON ORBITAL (C) FINISHING SANDER

- Fingertip Switch On Handle
- Burn-Out Protected Motor
- Sands Flush Into Corners

Madel 725001: Motor driver, orbital sander that sands flush into corners of walls and floors. Works fast and won't stall under heavy pressure. May be used equally well for polishing, buffing and finishing. Levertype sandpaper clamps permit fast, easy paper changing. Lightweight, pressure diecast aluminum housing. Industrial rating 2 amp motor with direct gear drive and selflubricating bronze bearings. Speed: 2800 orbits per minute with Ko"dlameter orbit. 3 -conductor power cord. For 110 V 60 Hz AC . UL listed.
13 T 3659 Shpg. wt., 5 lbs.
Net 13.50
(B) RAM 2-WAY ELECTRIC SANDER

- Orbital or Straight Line
- Positive Slide Switch
- $x_{6}{ }^{\prime \prime}$ Stroke Orbital or Straight

Model R-120: A heavy-duty electric sander with 3/16" stroke in orbital or straight line. Features 2.4 amp. universal series wound motor. Heavy-duty ball bearing and self-lub. ricating sleeve bearings. Pad size: $3 x, \times 71 / \beta^{\prime \prime}$; sandpaper size: $32 / 3 \times 9^{\circ}$. Industrial marror finish. 6 -ft. UL Listed cord. $115 \mathrm{~V}, 60$ cycles, AC-DC. Shpg. wt., 5 lbs.
13 T 7102
Net 18.50

## McGRAW EDISON HEAVY DDUTY 4"BELT SANDER

- Powerful 7.5 Amp Industrial Rated Motor
Model 72510: A powerful belt sander for every sanding job. Rugged gear drive moves 1500 surface feet per minute. Unique snaplock on front roller for easy belt changing. vacuum cleaner hook-up provided for dust pick-up. Die cast aluminum housing, locking trigger switch. Uses standard $4 \times 211 / 4^{\prime \prime}$ belt. AC motor with life-time lubricated bearings. 3 -conductor power cord. For 110 V 60 Hz AC . UL listed.
13 T 3660 Shpg wt., 13 lbs.
Net 29.95
Sanding Beits For Above
13 T 366140 Grit, Coarse ................ Net .75
13 T 366260 Grit, Medjum …............ Net . 75 13 T 366380 Grit, Fline

An electric bench top power tool full of features. Cuts, grinds and drills thru plastic, die cast metal, wood, music wire, sheet brass, ceramics, nickel silver ralls and parts and many more. High impact motor housing and precision operating parts. 3000 RPM Koth HP shaded pole motor. Complete with all the following accessories: two foot flexible shaft; screw-type and drum

- Cuts - Grinds - Drills
- Safe - Lower RPM
- Complete with Flexible Shaft and Accessories
 sander mandrel; cutting disc ( $7 \$^{N}$ dia. $\times \mathrm{Ka}_{0}{ }^{*}$ thick); 4 sander bands (2.
 Hand Piece; $y_{1} "$ standard collet and collet for $x_{n} ", 1 / x^{\prime \prime}, x_{10 \prime}^{\prime \prime}, x_{0}^{\prime \prime}, x_{1} "$ diameter drills. With instruction booklet. For operation on 110 volts $\mathrm{AC}, 60 \mathrm{~Hz}$. Shpg. wt., 5 lbs.
"HEAVY-DUTY" INDUSTRIAL 15-AMP MOTOR SPEED CONTROL

only $29^{95}$
- Dial The Right Speed For The Job - From 0 to Full RPM of Motor
- Manual Reset Circuit Breaker
This heavy-duty industrial motor speed control has unlimited uses in home, plant or workshop. Motor maintains full power even at lowest speeds. Exclusive Select-0-Range allows arick and easy dual adjustment for full dial control of motor's speed. Heavy-duty toggle switch selects Full Speed/Off/Variable Speed. Comes complete with 8-ft. Iine cord Size: $31 / 4 \times 61 / 4 \times 21 / 2^{\prime \prime}$. For 110 volts AC 60 Hz . Shpg. wt., $31 / 2$ lbs. 13 T 2755


# SHOP-HOME AND GARDEN 



## (E)

Two Grinding Wheels - Protective Eye Shields Model 71507: A popularly priced home shop tool ideal for light to medium-duty work. Wheel size $41 / 2^{\prime \prime}$, fine and coarse grit. Adjustable tool rests, safety eye shields, work light, water tray, wheel cover guard and 3.2 amp motor with 3 -cond. cord. Life-time self-lubricating bronze bearings throughout. Die-cast aluminum housing with baked enamel finish. Size: $9 \times 61 / 2 \times 7^{\prime \prime}$. No-load speed 3450 RPM. For 110 V 60 Hz . AC. UL listed.
13 T 3664 Shpg. wt., 11 Jbs.
Net 15.95

## (f) 6" BENCH GRINDER WITH HONE

- Two Wheels Fine \& Coarse; Powerful 8-Amp Motor Model 71513: A rugged $6^{\circ \prime}$ grinder to meet the needs of tool shops, service stations, repair shops, etc. Shatter-proof, adjustatile eye shields, removable water tray, adjustable tool rest with bulftin drill sharpening guides and 78 spm honing attachment for sharpening knives, etc. $42 / 2^{\prime \prime}$ hone attachment allows full use of grinder while in place. Life-time self-lubricating bronze bearings, pressure dle-cast aluminum housing with baked enamel finish. No load speed 3450 RPM. For 110 V 60 Hz . AC. Size: $151 / 4 \times 81 / 4 \times 8^{\circ \prime}$. UL Iisted.
13 T 3665 WX Shpg. wt., 27 Ibs.
Net 29.95


## ARCO QUIK-SAND VERTICAL PORTABLE SANDER POLISHER

- Sands, Grinds, Polishes, Sharpens Wood-Metal-Steel-Plastics!
- Portable. No Need to Fasten to Bench
- For any $1 / 4$ H.P. or 1/3 H.P. Motor; 1/2" Shaft
Safe! Versatite! Sharpens everything from razor blades to plowshares. Satety belt falls harmlessly to bench if it snaps. Table size: $19^{\prime \prime}$ high. With $1^{\prime \prime} \times 42^{\prime \prime}$ abrasive belt, 50 grit. Wt. 11 lbs.
12 T 1850 Less Motor Net 19.95
12 T 185150 Grit, Heavy .... Net .69 12 T 1852120 Grit, Medium _ Net . 69 12 T1853 270 Grit, Fine ___ Net 69
 "Roll-8ar" handle allows maximum comfort and safety-adjusts for any angle cut. 2 -cutting edges, each with 16 -teeth-cuts $12^{\prime \prime}$ swath in either direction. $13^{-\prime}$ blade cuts at 1850 strokes per minute. Die-cast aluminum housing with bright finish and enamel finish roll-bar. Fingertip On/Off switch. Hardened spring steel teeth are self-sharpening. 2.6 amp, 115 volt, $50 / 60$ cycle AC motor. UL Jisted. Shpg. wt., 6 Ibs. 13 T 3653
"JIFFY" VARIABLE MOTOR SPEED CONTROL
- Varies Speed on AC-DC Motors From 0 RPM To Full Speed
- Ideal For Electric Drills, Saws, Polishers

Dependable motor speed control ideal for workshop power tools using universal $A C-D C$ and series DC motors. Assures constant speed variation from zero rpm to maximum speed. Has bullt-in circuit breaker, 5 amps no-load rating. Input: 120 volts $50-60$ cycles AC. 3-wire receptacle and line cord. $3 \times 21 / 2 \times 11 /^{\prime \prime} \mathrm{D}$. 13 T 2700 Wt. 1 lb.

Net 8.95


HUSKY 3/8" DRILL

- 3 AMP UL Listed
- Auxiliary Left or Right Handle
- Double Reduction Gears

A rugged, powerful $3 / 8^{\prime \prime}$ drill for tough drilling jobs around the house and shop. Features double reduction gears for maximum torque. No load speed 1000 rpm . Capacity $3^{\prime \prime \prime}$ in steel, $1^{\prime \prime \prime}$ in wood. Ball thrust bearing takes the full drilling load. Welded commutator leads prevent motor burnout. Geared key chuck, 3 -conductor power cord. Bright finish. For 120 VAC, $50 / 60 \mathrm{~Hz}$. 13 T 3655 Shpg. wt., 4 Jbs.

Net 10.95

- 2-Amp UL Listed Motor
- Jacobs Geared Chuck \& Key
- Multiple Thrust Bearings

Model F. 11 popular drill for all-around home and hobby use. $1 / 4$ " geared chuck drill rated at a full 2.0 amps . UL IIsted. $1 / a^{\prime \prime}$ capacity in steel, $1 / 2^{\prime \prime}$ in hardwood. 1200 RPM speed under full load; 2000 RPM no-load speed. Precision antiofriction bearings. Automatic trigger switch. Specially designed gear train for maximum torque transfer. For 115 volts. AC/DC. Shpg. wt., 3 lbs.
13 T 7101
Net 8.95

## HEAVY-DUTY 3/8" DRILL

## - 1/6 HP 1000 RPM

- Uses Double Reduction Gear System

Model U.124 Heavy duty capacity $3 / \mathbf{" s}^{\prime \prime}$ drill incorporates a double reduction gear that permits a wide range of drilling needs Per. fect for grinding, buffing, mixing and all types of heavy and light drilling chores. Heavy duty UL listed 2.3 amp motor and precision gears combine to give maximum torque at all drilling speeds. "Cycolac" handle provides positive grip at all times. Jacobs geared chuck and key for quick change of bits. Handy trigger switch, with locking button permits use in awkward places. 3 Wire cord plug. Uses 115 VAC. Shpg. wis, 5 lbs.
12 T 6850
Net 14.44


- 2250 R.P.M. Motor
- Jacobs Geared Chuck \& Key

Model U-100 Just the thing for the hobbyist, home workshop or general use in the home. Ideal for use on wood, metal, masonry. Drills, sands, polishes, buffs, grinds, and even mixes paint. Can be used with attachments to make circular saw. jig saw or finishing sander. 1.9 amp . motor has precision oilite bearings for long life. Rugged 2250 rpm motor provides adequate power for most any $j 0 \mathrm{~b}$, big or small. Sure grip handle ellminates wrist strain. 3 wire cord and plug for safe use anywhere. UL listed, operates on 115 VAC. Shpg. wt.. $41 / 2$ tbs.
12 T 6851
Net 10.99


- 6 Amp $1 / 2$ HP Burnout-Proof Motor - Double Reduction Gears for Super Torque

Model 950 is designed for the big Jobs! A rugged heavy duty $1 / 2^{\prime \prime}$ drill where greater power is required. Simple. easy to use two-lever control for electronic gear reduction and speed changes for precise and accurate drilling of any type of material. Reversing on all 4 -speeds permits you to back out from extremely dense materials. Welded armature will not fail if overheated. Double reduction gears deliver hi-torque for heavy jobs. Trigger switch locks in place for extended operation. Precision Jacobs geared chuck and key. Polished die-cast aluminum housing. 120 V. AC/DC with 3 wire cord. UL and CSA listed. Size: $11 \times 81 / 2 \times 31 / 2^{\prime \prime}$. Shpg. wt., 9 lbs.
13 T 6533 \$5 Monthly

## HEAVY-DUTY 4-SPEED $1 / 2^{\prime \prime}$ REVERSIBLE

 DRILLNet 34.97


NO MONEY DOWN
 Develops $1 / 2 \mathrm{HP}$

- Hi-Torque, Full Load Speed of 350 RPM
Rugged industrially rated $1 / 2^{\prime \prime}$ orill with a die cast polished aluminum housing. Includes an auxiliary handie that mounts on tod or in the rear for less operator fatigue. Gear reduction system delivers hi-torque in both forward and reverse. Ideal for drilling extremely dense materials. Reverse switch is an Integral part of the trigger for easy use. "Safety Interlock" makes it Impossible to change direction while unit is running. Precision ground ball-thrust bearings take the full drilling load, all other bearings are lifetime self-lubricating bronze. Welded commutator leads, and double Impregnated windings insure against motor failure even under the heaviest loads. 6 amp, 115 VAC with 3 -conductor cord. Shpg. wt., $91 / 4 \mathrm{lbs}$.
13 T 3657


# REVERSING DRIVE-R-DRILLS 

## with ADJUSTABLE TRIGGER SPEED CONTROL

\author{

- Pre-set the Maximum Speed You Desire Forward or Reverse <br> - Lock Drill at Any Speed <br> - Burn-out Protected Motor
}

Now! with adjustable locking variable speed control which can be locked at any speed either in forward or reverse. Unique, all.puro pose drills which can tackle most any drilling job with precision and accuracy. Just squeeze the trigger for any drilling speed from o to maximum rpm plus reverse speed! Using a driver bit or socket you can drive or remove screws and nuts quickly and easily without accessories. Taps holes in metal too! Has powerful burnout protected motor, high torque helical gears and geared key chuck. Locking button for sustained operation. Lightweight aluminum housing. with 6 ft . 3-wire cord and plug. For 115 v., 60 cycles AC. Ul listed.

## 1/4" ADJUSTABLE DRIVE-R-DRILL

 Model 596 rated at 2.5 amps, 0.2000 rpm Forward/Reverse. Capacity $1 / 4^{\prime \prime}$ in steel, $3 / 2^{\prime \prime}$ in wood. Shpg. wt., 4 lbs. 13 T 6931Net 29.88
Model 501TSC. Similar to above, less reversing and adjustable locking control. 13 T 6901 Shpg. wt., 4 lbs. ..........Net 19.88

3" ADJUSTABLE DRIVE-R-DRILL Model 597 drill has extra capaclty chuck; $0-1000 \mathrm{rpm}$. forward/reverse 3 -amp motor. Double reduction gears. Capacity: $7 \mathrm{z}^{\prime \prime}$ in steel, $3 / 4$ " in wood. Removable handie. Shpg. $\mathrm{wt} .441 / 2 \mathrm{lbs}$.
13 i 6932 \$s monthly
Net 36.88

1/2" ADJUSTABLE DRIVE-R-DRILL Model 598 Heavy.duty.deluxe 3 amp 0-750 rpm forward/reverse, no load speed. Heavyduty double-reduction gears multithrust bearings. Capacity: $1 / 2^{\prime \prime}$ in steel. $11 / /^{\prime \prime}$ in wood. Removable handle. Shpg. wt., 5 lbs. 13 I $6933 \$ 5$ monithly

Net 39.88

## REVERSIBLE ELECTRIC SCREWDRIVER



Powerful, yet compact and lightweight electric screwdriver designed for tough jobs around the shop or home. Great ior light assembly work, building and repairing wood, wood projects, hanging and fastening hardware such as drapery, fixtures. Powerful air. cooled 3 -ampere motor features a positive drive clutch for complete power control; long-life ball-thrust self-lubricating bronze bearings. Convenient instant release on-off switch. Accepts $1 / 4^{\prime \prime}$ hex bits. Motor speed. 325 rpm ( no load). Gear reduction of 100 al assures high torque and staying power. Orives 4 through $\# 12$ wood serews. with $6-\mathrm{ft}$. 3 -cond. cord, 2 -slotted head finders, 1. Phillips Eead bit. Overall length, $81 / 2^{\prime \prime}$. UL listed, Shpg. wi., $31 / 4 \mathrm{lbs}$ 13 T 5050

## 6-PC. SCREWDRIVER BIT SET 299 <br> 

- Fits All Electric Screwdriver And Variable Speed Drills
$N$ 2t 29.95

Versatile set provides a variety of bits anid finders to speed-up assembly and service work. For slotted and Phillips head screws. Kit includes 3 -slotted blts and finders for serew sizes $6.8,8-10$, $810-12$; 3-Phillips bits No.'s 1, 2, \& 3. All have $1 / 4$ "Hex shank. Shpg. wi., i/2 16. 14 T 7904

Vet 2.99

## 7 PIECE SOCKET SET

- Fits All Electric Screwdriver Drills Orllis $1 / 4^{\prime \prime}$ hex shank fits all power screw. drivers and drills. Fits directly into chuck for driving and removing bolts and nuts. Set contains socket adapter and 6 sockets -
 14 T 7905 Shpg. wt., $1 / 2 \mathrm{lb}$.

Net 1.59


## Black a Decker. VARIABLE SPEED DRILLS

As low as
17

- Just Squeeze The Trigger From Low To High RPM
- Long Life Bearings
- Rugged Man-Grip Handle

Model U-225, $3 /{ }^{\prime \prime \prime}$ Orill. Pick the speed to suit the job with just a squeeze of the trigger. Completely variable from 0.1000 RPM. Handes really tough jobs with a */a" chuck and a reduction gear system which deliver extra torque. Capacity: $\neq /{ }^{\prime \prime}$ in steel, $3 / 4^{\prime \prime}$ In hardwood. Man-grip handle provides superior comfort and control. Will also drive screws. With accessories can sand, grind, polish, buff, wire brush and clean. Equipped with long-life bearings, 2.2 amp , motor for 115 VAC . UL listed. Shpg, wt., 4 lbs.
12 T 6861
Net 21.88

## U-205-2, $1 / 4^{\prime \prime}$ VARIABLE SPEED DRILL

Similar to above, except $0-2250$ RPM, 2 amp. $1 / 4^{\prime \prime}$ chuck. For jobs requiring higher RPM. Capacity $1 / a^{\prime \prime}$ in steel, $1 / 2^{\prime \prime}$ in hardwood. For 115 VAC. UL listed. Shpg. wt., $31 / 2$ lbs.

## 12 T 5852

## 5.PC. ROTARY FILE SET

For electric drill, drill press, flexible shaft. Milled from solid tool steel, hardened and tempered. Cuts steel and other metals, wood, plastic wallboard, etc. For hole enlarging, routing, shaping, finishing. With $1 / 4^{\prime \prime}$ 13 T 5018


# fure 50 Piece Power Workshop 

## WITH 3/8" VARIABLE TRIGGER SPEED CONTROL DRILL



## Complete Kit Only

Powerful! Efflcient! Flexible! Rugged $\mathbf{W e}^{\prime \prime}$ variable speed power drill with $1 / 6$ HP 2.6 Amp universal motor is capable of performing most any job around workshop and home. Squeeze the trigger for any speed you desire from 0 to 1,000 RPM, Complete assortment of attachments includes: Jacobs geared chuck and key, tilting top saw attachment, crosscut and ripsaw blade, horizontal bench stand, lampswool polishing bonnet, 13 pc . drili kit, rubber backing pad, steel paint mixer, grinding wheel, 6 pc . adapter set, steel saw table with protractor and mounting post, drill press with mounting post and stand, and 15 pc . sanding disc set ( 5 fine, 5 med., 5 coarse). Drill features multiple thrust bearings and locking button on hande for constant speed without holding trigger. Bright mirror finish with pistol grip handle for easy handling. With instruction book. Drill UL listed, For 115 volts AC 60 cycles. Shigg. wt., 12 lbs.
13 T 7129 W
Net 29.95
13 T 7124 Drill Only, Shpg. wt., $32 / 2$ lbs.
Net 16.95
"ARCO-SAW" ATTACHMENT with "DADO-ARBOR" To Cut Any Groove


Attaches to any $1 / 4$ and $3 / s^{* \prime}$ drill in seconds! "Dado-Arbor" swivels sawblade to cut grooves up to $1 / 2 \mathrm{Wxl}$ "D., in one cut; "DadoArbor" is easily removed for straight or angle cuts .. cuts $2 \times 4$ 's in one cut with $5^{\prime \prime}$ blade. Graduated depth and bevel gages allow cuts up to $13 / 4^{\prime \prime} D_{\text {; }}$ bevels to $45^{\circ}$. Has adjustable rip gage and visual guide, self-lubricating lifetime bearings, strong safety-
bracket and clamp. Fully assembled with instructions
14 T 1427 Shpg, wt., 3 lbs
14 T $14285^{*}$ Hycarbon Combination Blade
Net 8.95
"JIG SAW" ATTACHMENT


Fits all electric drills as easily as a standard bit! Ideal for cutting plumbing, and holes for switchboxes . . . works without boring a stafting hole. Does work of jig, keyhole, coping, rip, band and hacksaw. Cuts straight lines, intricate patterns and circles in wood, plastics, and metals; cuts $2 \times 4$ 's. Air blower keeps cutting line free of sawdust. Complete
with blade, instructions. Shpg. Wt. $11 / 2 \mathrm{lbs}$
14 f 1425
Net 3.75
Pkg. of 6 blades (2-coarse, 2 -medium, 2 -fine). Shpg. wt., 2 oz
14 T 1426
Net 1,49


UNIVERSAL DRILL PRESS STAND

- Adjustable Depth - Adjustable Cradle
- Spring Return - Adjustable Depth Tension Gauge Dial
Can be used with any $1 / 4^{\prime \prime}$ or $3 / 8^{\prime \prime}$ pistol grip electric drill. Features rack and pinion gear feed, and adjustable depth stage. 15 to 1 leverage. Drill press head is clamped in rigid position, $24 / a^{" \prime}$ stroke. Square base is provided with slots for drill blt and for bolting work to base. Other features include spring return tension, fast hand-action, head clamps and adjustable depth gauge dial. Shpg, wt., 6 lbs.
14 T 3604
Net 10,95



## PLANER ATTACHMENT

A professional tool with hardened and ground carbon alloy steel cutter. Perfect balance and comfortable handie for easy use. Instant, positive depth adjustment and $13 / 4^{\prime \prime}$ wide cut. Diagonal shearing action planes easily with or across grain. For $1 / 4^{*}$ or $3 / 8^{\circ}$ drlil. Shpg. wt., 2 lbs. 14 T 6253 ................................. 4.95


SANDER ATTACHMENT
Sand in minutes! For use with all $1 / 4^{\prime \prime}$ or $3 / 8^{\prime \prime}$ drills. Orbltal action, ball bearing construction. Complete with three standard size no-load, jewel-hard abrasive sandpaper sheet's in coarse, medlum and fine grit. Top handle for easy handing. 14 T 6252 Wt.. $11 / 2$ Ibs. .... Net 4.95

## HEDGE TRIMMER ATTACHMENT



Converts any $1 / 4^{\prime \prime}$ drill into an easily handled hedge trimmer. Cuts, trims and shapes hedges and shrubbery. Extra long $14^{\prime \prime}$ blade of hardened tool steel. Keen edges for fast shearing action. Steel drive gear-permanently lubricated. Long, comfortable handie. Locks in any of 10 different positions, Light weight-compact. Shpg. wt. 3 lbs.

13 T 5015

Net 5.95


PISTOL GRIP FLEXIBLE SHAFT


Sturdy metal pistol grip will allow accurate work. Operates on speeds up to 6000 RPM. Shanks up to $1 / 4^{\prime \prime}$ dia. and accepts all $1 / 4^{\prime \prime}$ drill attachments. Includes $1 / 4^{\prime \prime}$ chuck; long, fiexible $36^{\prime \prime}$ shaft. Perfect for grinding, polishing, etc.
14 T 7006 Shpg. wt., 3 lbs.
Net 2.69

## FLEXIBLE SHAFT ATTACHMENT



Operates off any fixed or portable power drill; enables you to drill at any angle anywhere. Capacity up to $1 / \mathrm{s}^{\prime \prime}$ size drills; $36^{\prime \prime}$ overall length, wlith chuck. Comes in box with complete instructions. Imported. Shpg. $w t .11 \mathrm{lb}$.

Net 1.79

# Selected Accessories For $1 / 4$ and $3 / 8^{\prime \prime}$ Drills 

SCREWDRIVER RESTORER


At last! An attachment to grind Phillips of regutar (Vankee) screw drivers to their original shape. Chuck in any drill. Will grind all Phillips drivers up to $1 / 10^{\text {" }}$ and all Yankee type drivers up to $1 / \mathbf{z}^{\prime \prime}$ as easily as sharpening a pencil. Use for chisels, punches too. Shpg. wt., 1 lb .
13 T 2551
Net 5.95

## 4.PC. RADIUS \& BEVEL CUTTER SET



Use with any electric orill. Set consists of adjustable bevel-cutter (cuts 45 bevels from $1 / 8^{*}, 3 / 16^{\prime \prime}, 1 / 4^{\prime \prime}$ radius cuts). Dual guides assure accurate cuts along entire length and width of workpiece. Cuts wood, plastics, soft metals. Manganese alloy tool steel fully handened and tempered.
14 T 1430
Net 4.29

## ADJUSTABLE BEVEL CUTTER



Fits any electric drill. Makes fast, clean corner bevels. Adjusts from $1 / 32^{\prime \prime}$ to $5 / 16^{*}$ wide bevels. Cuts wood, plastics and soft metal. Made of hardened, tempered manganese alloy tool steel. Shps. wt., 2 oz.
14T1416 let 1.49

## BEADING CUTTER

Fits electric drill, drill.press, flexible shaft. 2 -guides for accurate $3 / 16^{\prime \prime}$ "beading" contours. Cuts wood, plastics, soft metals. Fully hardened and tempered manganese alloy tool steel. Wt., 402.
14 T1431
Net 1.19

## COVE CUTTER

For electric drill, drill-press, flexible shaft. 2 -guides for accurate $3 / 16$ " "cove" contours in wood, plastics, soft metals. Fully hardened and tempered manganese alloy tool steel. Shpg. wt., 4 oz . 14 T 1432

Net 1.19

## ADJUSTABLE

## 82․ COUNTERSINK

Adjusts to exact depth with automatic stop... single flute, chatter.free design assures round, clean cuts. Tempered and hardened manganese tool steel construction. Countersinks in steel, wood, plastic. $1 / 4^{\text {" }}$ shank. Shps. wt., 402.
Shpg wis. $\qquad$
$\qquad$ Ne Net 1.19

# ARCO SCREW \& NUT DRIVER DRILL ATTACHMENT 



For rapid fastening of both screws (slotted and Phillips) and nuts (hex and square head). Has non-slip industrial type clutch for fast easy driving. Bit holder prevents screw head slippage. Includes flat bits and bit holders for \#6. 14 slotted screws, 2 Phillips head bit, 6 hex socket wrenches ( $1 \times 4$ ", $\% 0^{\prime \prime}, " 1 / y^{\prime \prime}$, 3/8", 7/1", 1/2"), and socket wrench holder with hall lock. Shpg. wt., $11 / 2$ lbs.
14 T 1421
Net 4.49

## 7-BLADE DEEP HOLE SAW

 As Low As

- Cuts holes in $2 \times 4$ 's


Fits any electric drill or drill press. Cylindrical saw blades cut holes from $1^{\prime \prime}$ to $21 / 2^{\prime \prime}$ in diameter in any stock up to $2^{\prime \prime}$. Hole sizes are $1^{\prime \prime}, 11 / 4^{\prime \prime}, 11 / 2^{\prime \prime \prime}, 13 / 4^{\prime \prime}, 2^{\prime \prime}, 214^{\prime \prime}, 21 / 2^{\prime \prime}$. Cut wood, plastic, 'metal, sheetrock, wallboard, masonite, formica, etc. Has guide bit and automatic slug ejector, Imported.
13 T 5526 Shpg. wt., $142 \mathrm{lbs} . \ldots$ Net 1.19 Same as above except for $3 / 4^{\prime \prime}$ stock 13 T5528 Net . 8

## ADJUSTABLE DIAL SAW

 Can be fitted to any electric drill. Fully adjustable from $11 / \mathrm{m}^{\prime \prime}$ to $21 / \mathbf{2}^{\prime \prime}$ in diameter; cuts neat, round holes in wood, plastic, and light metals; depth of cut can be up to $21 / 4^{\prime \prime}$. Shpg. wt., oz. 13 T415 $\qquad$ Net 3.75

## 3-PC. ROTARY RASP SET


19

## Shape, Cut, Form, Mill



3 -rotary rasp drums: $3 / 4^{\prime \prime}$ dia, $11 / 4^{\prime \prime}$ dia. $17 \%^{*}$ dia.; length of each drum $1122^{\prime \prime}$. Ideal for beveling, planing, paint removing, sanding. Cuts wood, plastic, etc. Made of hardened and tempered steel.
14 T 1429 Shpg, wt., 1/2 lb. $\qquad$ Net 3.19

## 1/2" CHUCK FOR 1/4" DRILLS

## 99c



- Add $1 / 2^{*}$ Capacity to $1 / 4^{\prime \prime}$ Drill

Converts $1 / 4^{\prime \prime}$ electric drill to $1 / 2^{\prime \prime}$ capacity. Properly machined to insure correct balance. May also be used on standard $1 / 2 \times 24$ motor arbor or shaft. Imported. Shps. wt., 1 lb . 13 T 5527

Net .99

## REVERSE-A-DRIVE SPEED REDUCER SCREWDRIVER


As Low As
75

- Includes 2 Bits and $1 / 4^{\prime \prime}$


## Socket Adapter

Model W-350 speed reducer can be fitted to any electric drill or drill press quickly and easily. Forward speed reduction of 11 to 1 , and reverse of 4 to 1 develops high torque. Ideal for nut running, and heavy duty screwdriving. Easy stop-start action with hand cluten control. Accessories include yankee type - $1 / 4^{\prime \prime}$ slotted bit with finder - \#2 phillips bit-adaptor. Shpg. wt., 1 lb . 14 T 7902

Net 5.25
Model w-300L. Heary Duty Industrial Type. Similar to above. Accessories include 5/16* slotted and phillips bits and $1 / 4^{*}$ socket adapter, Unit is adaptable for direct drive from drill. Makes your present chuck free to be used on other end of model W-300L for drilling and tapping.
14 T 7901
Net 7.49
Model $\mathbf{W}-400$ speed reducer similar to above out less reversing feature. Ends tedious driving of screws and nuts. Can be fitted to any electric drill quickly and easlly. 11 to 1 speed reduction through the use of a planelary gear system. Easty stop-start action with hand clutch control. Includes slotted bit with finder, $\$ 2$ Phillips and $1 / 4^{\prime \prime}$ socket adapter, Shpg. wt., 1 lb .
14 T7903
Net 3.75

## RIGHT ANGLE DRIVE



Close coupled-right angle attachment for working in confined spaces. 2 to 1 gear ratio permits halving or doubling drili speed. High speed for drilling and sanding-slow speed for polishing-large hole drillingmasonry drilling, etc. Fits $1 / 4^{" \prime}$ chuck or may be screwed directly to drill spindle. Includes $3 / 8.24$ male and female adaptersand $1 / /^{\prime \prime}$ plain shaft adapter. Shpg. wt., 1 lb.
14 T 3603 $\qquad$ Net 3.75
$1 / 4^{\prime \prime}$ \& 3/8" JACOBS TYPE DRILL CHUCKS


Made in U.S.A.

- Key included


Comparable to Jacobs 18 Key type geared tooth chuck. Capacity $0-1 / 4^{\prime \prime}$, thread $3 / 8 x$ $24^{*}$. Ruggediy constructed. Polished finish. Used as standard equipment on most electric drills. Made to rigid specifications. Wt. 1 lb. For $1 / 4^{\prime \prime}$ Drills-Capacity $0-1 / 4^{\prime \prime}$. Thread $3 / 8 \times 24^{\prime \prime}$
14 T 1550 $\qquad$ Net 2.95
For $3 / 8^{\prime \prime}$ Drilis-Capacity $1 / 16^{\prime \prime}-3 / 8^{\prime \prime}$. Thread $3 / 8 \times 24$ ".
14 T1551
Net 3.95
Adapter to attach above chucks to power
drills with female spindes.
14 Ti552

## $1 / 4^{\prime \prime} \& 3 / 8^{\prime \prime}$ Power Drill Accessories



CENTURY 13 PC. HIGH

SPEED ORILL SET WITH CENTER PUNCH
$4^{99}$

Precision ground high speed drills and center punch placed in unbreakable flexible plastic case which opens and closes like a book! Drill sizes: $1 / 14 \cdot 1 / 4^{\prime \prime}$. Handy center punch assures exact position of drill bit.
13 T 1850 Shpg. wt., 10 oz.
Net 4.99

## HIGH SPEED TWIST DRILL SET



High quality, high speed tool steel "hot iwisted" for perfect-uniformity, "isoperm" heat treated for remarkable toughness. These twist drills keep cutting much longer than conventional drills. Made in Italy.
(A) PO-PIECE HICH SPEED DRILL SET $1 / 0^{\circ \prime}$ to $1 / 4^{\prime \prime}$

In Plastic Indexed Case. Shpg. wt., $6 \mathbf{0 z .}$
12 T 4750
Net 2.95
[B] II-PIECE HIGH SPEEO DRILL SET $1 / 4{ }^{* \prime}$ to $9 / \mathrm{m}^{\prime \prime}$
11 drills, plastic unbreakable case. With stralght shanks. Designed for use with $7 \mathrm{~m}^{\prime \prime}$ drills. Shpg. wt., 10 oz .
12 T 4751
Net 5.59
C. 14-PIECE HIGH SPEED DRILL SET

14 drills, K" " to $1 / 4 "$ with straight shank, and 4 drills Ko". Ya". Ko"
and $1 / 2^{\prime \prime}$ with $1 / 4^{\prime \prime}$ turned down shank. In unbreakable plastic case. and $1 / 2^{\prime \prime}$ with $1 / 4^{\prime \prime}$ turned down shank. In unbreakable plastic case. 12 T 4752 Shpg. wt., 11 oz.

## OOUBLE POWER GRINDER



Equipped with double tool rests - will accommodate $4^{\circ \prime}$ or $5^{\prime \prime}$ grindstone. Nylon bearings require little or no lubrication, and have outstanding abrasion resistant characteristics. Fumished complete with one coarse, one fine grinding wheel. Shpg. wt., 10 lbs , 14 T 7604
TWIST ORILL SHARPENER


Sharpens Drills from Fits any $1 / 4{ }^{* \prime}$ or larger electric drill. 3" aluminum oxide grinding wheel. Sharpens any bit up to $1 / 2^{\prime \prime}$ dia. Also has adjustable tool rest for sharpening chisels, knives, scissors, etc. 14 T 1409 Shpg. wt.. $11 / 2$ tbs.


Use with any standard drill. Includes $5^{\prime \prime}$ rubber backing disc, 7 assorted-grain sanding discs, $6^{\prime \prime}$ lambs wool polishing bonnet. For shop, auto work, hobby, etc.
14 T 3601 Shpg. wt., 1 lb.
Net 1.69
ARCO DRILL STANO
et 5.95


ROTARY RASP

ideal for shaping of wood fibre, plastic and vinyl, and planing of floors and boards. Use with any $1 / 4^{\prime \prime}$ electric drill or drill press. Hardened steet construction. $23 / 4^{\prime \prime}$ Dia. $x$ 'K10 W. Imported. Wt., 1 It.
13 T 5525

29-PIECE CHROME VANADIUM ORILL SET

## as Low as 769



13 T 5577
Net 8.95
13-PC. TWIST ORILL SET

Set of 13 full length twist drills, complete with metal index. Sizes: $1 /{ }^{\prime \prime}$ io $1 / 4^{* \prime}$ by 64 ths. Household quallty. Imported.
14 T 6115 Shpg. wt., 8 oz.
Net .79


Simple and safe to use, makes perfect circles in wood in sec. onds. Use with any electric drill to cut speaker holes, vents, pipes, ceiling lights, etc. Can also be used to make discs, rings and lancy shapes. Cuts circles $11 / 2^{\prime \prime \prime}$ to $12^{\prime \prime}$ in diameter. Has special bit for smooth side cutting. Shpg. wt., 1 lb . 12 T 4100

## Net 3.29

HEAVY-DUTY INDUSTRIAL COMPASS CUTTER. AS above except cuts up to 18 Inch circular holes in fiberglas, $\boldsymbol{z}^{\prime \prime}$ wood plank, sheet metal, $1 / 4^{\prime \prime}$ aluminum and laminated plastics. Special router bit has drill polnt allowing you to bore center and radius hole. Shpg. wt. $11 / 2^{\prime \prime}$ lbs.

Net 9.95
KNIFE \& SCISSOR SHARPENER

grinding machine. C specially designed erindst shank arbor attached. Shpg. wt., $1 / 2 \mathrm{lb}$. 14 T 1423

4-PC. UTILITY KIT


Grinds, polishes, sharpens, cleans, and finishes. Kit includes $3^{\prime \prime}$ grinding wheel $1 / 2^{* \prime}$ thick. $3^{n}$ double thick muslin buff, $3^{n \prime}$ wire wheel, and flanged arbor with $1 / 4^{\prime \prime}$ shank. Attach to any electric drill or press.
13 T 5523 Shpg. wt., 1 lb.
Net 99

## SCREWORIVER ATTACHMENT



Use with any fixed or portable drill. Non-slip industrial type clutch disengages when screw is driven home. Bit holder prevents slipping of bit out of screw slot. With two bits one for Phillips screws and one for 14 slotted screws. Imported.
14 T 6111
Net 1.19

# Precision Tools For Hobby-Industry by x-acto <br> CORDLESS POWER DRILL SET <br> COMPLETE HOBBY DEN TOOL CABINET 

Model 84 knlfe and tool set. Everything you need for a complete wood carving workshop. Contains numbers 1,2 and 5 knives and an entire assortment of blades, gouges, routers and punches. Has X-acto planer. I* sander, spokeshave, and balsa stripper. Comes in wooden box complete with see. through cover and fitted plastic tray insert that holds and shows every tool. All blades, gouges, etc. are made of durable, high quality steel. Shps. wt., $21 / 2 \mathrm{lbs}$. 13 T7423

Net 11.25

## PRECISION TOOLS



X-ACTO interchangeable-blade, precision knives for: carving, cutting, hollowing, scribing, stripping, trimming, etc. Heavy-duty handles for rugged service. Avg. shpg. wt., 2 oz .
No. i Knife-for light to medium work. Aluminum handle ( $5^{\prime \prime}$ long, $5 / 16^{\prime \prime}$ dia.) complete with No. 11 blade.
13 T 7402 (茾 1 ) ................................ 59 No. 2 Knife - for medium to heavy work. Aluminum handle ( $5^{\circ}$ long, $7 / 16^{\prime \prime}$ dia.) complete with No. 22 blade.
13 T7403 (\$2) $\qquad$ Net ea. . 72
No. 3-ST Pen-Knife-Clips to pocket. Complete with No. 10 blade. Length closed- $51 / 4^{\prime \prime}$ Also accommodates No. 11 and 16 blades. 13 T 7404

Net ea. . 89
No. 5 Knife-for heavy work. Plastic handle with metal blade lock ( $43 / 4^{*}$ long), complete with No. 19 blade
13 T7405 (\$5)
Net ea. 1.10

## SMALL BLADES



Replacement blades that fit all X-ACTO tools listed above. Avg. shpg. wt., 2 oz.
No. 10 for small, fine cutting or carving. 13 T 7406 \$ 10 , pkg. of 5

Net .54 No. 11 for fine angle cutting: deep culs, narrow spots.
13 T 7407 \#11, pkg. of 5 $\qquad$ Net .54 No. 22 for long cuts, close corner cutting,
whittling. $\qquad$ Net .54 No. 23x Double edged for close quarters, angled corners.

Net 67 13 Y $7411 \$ 23 X$, pkg. of 5 cuts: templates,
No. 24 for close corner cuts No. 24 for clo
mais. trimming.
13 T 7412 24, pkg. of $5 \ldots$ Net .54
No. 25 for carving, whittling, heavy cutting.
13 T1413 \#25. pkg. of 5
Cutting.


- Drills Wood, Metal, Plastics
- Grinds, Drills, Polishes, Carves

Model 376. Powerful, versatile, efficient. Polish-deburr-carve-grind-drill, with new ease! Complete with center punch, grinder, drill bit and 3 precision collets. Drills plas. tic, wood, light metal. In handy styro foam holder. Emboised case. Less batteries. 13 T 7424 Shfg. wt., 3/4 lbs.__ Net 4.95 99 T 6257 ' C' Batterles for above; 2 req. Net ea. 14


Model 75. High quality carving set in a handy index size, natural finish wood chest. Consists of No. 5 knife handle, 5 assorted regular blades in patented holder, $23^{\prime \prime}$ biades, 6 gouges, and 4 routers.
13 T 7425 Shpg. wt., $11 / 2 \mathrm{lbs}$.
Net 5.40
KNIFE CHEST

450


Model 82. Handy knife chest comes complete with X.Acto rios. 1, 2, and 5 knives plus 9 assorted extra blades. Chest has a natural wood finish. Shog. wt., $3 / 4 \mathrm{lb}$. 1317416

Net 4.50

## RAZOR SAW BLADES

- For Fine,


Fine and accurate cross-cutting, trimming and notching of metal, wood and plastic. When mountrid in hande, overall length of 912". Shpg. wt., 202.
13 T $7411^{*} \# 34,3 / 4^{\prime \prime}$ wide $\qquad$ Net ea. . 39 13 T 7419 \# $35,1^{-}$- wide Net ea. . 45

## MICRO-SAW BLADE

- Satin.

$$
\begin{aligned}
& \text { Smooth } \\
& \text { Cutting }
\end{aligned}
$$



Use the X-ACTO Micro-saw as a sabre saw. Perfect for sectioning, opening doors, trunks, and hoods of plastic models. Saw cuts through. plastic with ease. One inch long and one-quarter inch wide blade fits your X-acto \#1 handle. makes fine delicate work extraeasy. Package of 5. Shpg. wt., 2 oz.
13 个7422


- Assorted Hobby Tools In Fitted Cabinet
$26^{50}$
Sturdy wooden cabinet with sliding see-thru cover. Neatly stores, protects a full assortment of X-Acto hobby tools. Blueprint back has silhouette of each tool for easy replacement. Set includes: 6 -extra blades; 6 -assort. ed gouges; 4 -assorted routers; 2 -punches; 3-knives (with blades); 1-hobbycraft saw (with extra blade); 2 -screw drivers; 2 " C " clamps; 1-tweezer 1-sander; $^{2}$ 3-tweezer clamps; 1-hand drill; 1-file; 1 -planer; 1 . hammer (with extra heads); 1 -bench vise; 1-pair pliers; 1-drill bit, 2-screw driver bits; 2 -razor saw blades; 2 -chucks; and a "Project Handbook and Tool Guide". Size $131 / 4$ $x 211 / 4 \times 3^{\circ}$. Shipg. wt., 9 lbs.
13 T 7426
Net 26.50


## WOOD CARVING SET



Comes in useful vizi-dome container that lets you see where your tools are. 6 gouge blades, 4 regular blades, $2-3$ inch blades, No. 5 knife handle (takes all blades).
13 T 7417 Shpg. wt., $1 / 2$ lb. _.........Net 3.59


Specially designed as a multiple-service tool for small assembly work; picks up and se. curely holds small parts for soldering of other operations. By pushing the locking key forward, the jaws are automatically locked. Ruggediy constructed with case-hardened steel jaws. Overall length is $51 / 8^{\mu}$.
13 T 7420 Shpg. wt., $1 / 2 \mathrm{lb}$. Net 3.15

## MODEL CUSTOMIZING KIT

- All Needed Basic Tools


The customizing kit contains the "basic six' tools needed by indoor auto model enthusiasts who custom build their own racing cars. Contains a $\$ 5$ knife, razor saw, hand drill, pliers, tweezers, 2 files and a \$1 knife. Shps, wt. $1 / 2 \mathrm{ID}$.
13 T 7421 Net 5.39

# Vises For Workshop And Industry 



WITH 2 JAWS, $11 / 2^{\prime \prime}$ AND $21 / 2^{\prime \prime}$

## PORTABLE VACUUM VISE

No clamps, no screws! Vacuum power holds vise securely on any non-porus surface. Use it on formica, linoleum, metal, porcelain or any palnted smooth finish surface. Anvil back, 2 jaws. $142^{\prime \prime}$ and $21 / 2^{\prime \prime}$ open to $21 / 1$ Inches. $360^{\circ}$ rotation swivelhead. Easy to use vacuum action and Jaw controls. For hobbyist, repairman. Imported.
13 T 5591 Shpg. wt., $41 / 2 \mathrm{lbs}$....... Net 5.95


For small sub-assemblies and intricate elec. tronic work including printed circults. Rubber protected jaws are $21 / 夕^{\prime \prime} W$ with a $61 / 0^{*}$ opening. PowRarm posittioner offers superior positive lock and fast on-off action with horizontal handle. Shpg. wt., 3 lbs. 14 T 8002

Net 14.20


## 3" MACHINIST VISE SWIVEL-BASE

A sturdy, reliable, swivel base vise for tool room, home or shop jobs. Three inch jaws: $3^{\prime \prime}$ opening. Swivel base permits $360^{\circ}$ degree revolution. Locks in any position. Anvil back. Well made of malleable iron castings. Hardened tool steel jaw faces. Ideal for carpentry, sanding, sawing, fool sharpening, carving. Complete with fixed, pipe jaws. Imported. Shpg. wt., 10 lbs.
13 T 5590
Net 4.19


SWIVEL CLAMP. ON VISE


79
21/2" wide jaws-open to a maximum $21 / 2^{\prime \prime}$. Swivel base permits full $360^{\circ}$ rotation. Twin guide rods and precision drive screw assure smooth action-rigid grip. Jaws accurately machined, pollshed and lacquered. Unexcelled for ordinary jobs in shop, home or garage. Bright enamel finish. Shpg. wt., $31 / 2$ 13s. Imported.
13T5515
Net 1.79


## SWIVEL BASE MACHINIST VISE

This favorite machinist vise swivels full $280^{\circ}$. Geared bolt and base plate give positive lock against slippage. Removable hard. ened pipe jaws open to $4^{\prime \prime}$; plated screw bar. Steel handle balls forged from handle stock. Precision machined malleable fron castings. Self-lubricating graphite bronze bearing. Imported. Shpg. wt., 16 lbs.
13 T5589 7.95


Improved version of "C" clamp type tool for the home workshop. Fits over standard $3 / 4^{\text {w }}$ pipe; pipe does not need threads.. hardened steel set screw holds fixed head firmly in place. High tension sliding jaw can easily be moved to any position on the pipe used. Nickel plated main screw. Depth center of screw to pipe: $11 / 0^{\circ}$. $12^{\infty}$ diam. screw. (Does not include pipe illustrated). 13 T 5950 Shpg. wt., 2 lbs.

Net 3.19

## 4 TOOLS IN ONE

## FOR INOUSTRIALS, EXPERIMENTERS, REPAIR SHOPS,

 MODEL WORKERS, SCHOOL SHOPS, HOME WORK SHOPS- For Experimenters-Servicemen-Shops
- Clean Smooth Bends
- Forms Up To 90
- Handles Up To $18^{\prime \prime}$ Width In Up To 16 Gauge Thickness


Unique design permits forming chassis, boxes, covers, trays, etc. by means of $l^{\prime \prime}$ deep slots in brake-bar which allow corners to fold in. Provides flange edges up to $1^{\prime \prime}$ high. Easy to adjust for thickness, accuracy, angle of bend. Rugged construction offers a life time of service. Shpg. wt., 17 lbs.
99 T B064WX
Net 9.95


## 3" MITRE CORNER CLAMP

Portable clamp fully exposes both sides of the joint - allows you to put fastenings wherever you wish. Handy for clamping, cuttJng, glueing, naling, etc. Sturdy die-cast aluminum. Chrome plated T-slide bars. Im ported. Shpg. wt., $3 / 4 \mathrm{lbs}$.
14 T 7011
Net 1.19
The only practical way to grip and hold small parts. $12 / 4^{\prime \prime}$ die cast jaws open to $7 / 8^{*}$. Mounted on a $4^{\text {" }}$ comfortable ferruled wooden handle. Holds work for drilling, marking, filing, sawing, etc. Endless uses in handiwork. Imported. Shpg. wt., 1 lb .
13 T5534
Net. 69

## (B) PIN VISE

Has standard $1 / 4^{\prime \prime}$ chucks with 3 mardened jaws. Chuck opening from $0^{-\infty}$ to $1 / 4^{*}$. Set on "easy-grip" ferruled wood handie 4". long. Holds small drills, reamers, screw bits, files, etc. A "natural" for the hobbyist and crattsman. Imported. 14 T 6120 Shpg. wt., $1 / 2 \mathrm{lb} .-\ldots . .$. Net 69


- Punches - Shears - Rivets - Forms An lideal tool for plant, shop or home use. Used extensively in industrial plants on small jobs. Handles stock up to $1^{\prime \prime}$ wide to 16 gauge. Punches clean, sharp, smooth, burr-free holes - up to $1^{\prime \prime}$
 forms bend up to $90^{\circ}$ in rod or bar stock. Cleanly shears metals up to $1^{\prime \prime}$ wide, 16 gauge, without distortion. Rivets easily with any type solid or hollow rivet. Rivets up to a maximum combined thickness of 3/8". Shpg. wt., 5 lbs.


## 14 T 1101

01 PUNCH SETS
Avg. shpg. wt, 402.
 $\qquad$ Net 2.49
14 T 1103 Square- $1 / 8^{\prime \prime}$ and $3 / 16^{\circ}$
14 T 1103 Square- $1 / 8^{\prime \prime}$ and $3 / 16^{\prime \prime}$ Rectangular- $1 / 8^{\prime \prime} \times 3 / 16^{\prime \prime}$ and $1 / 8^{\prime \prime} \times 1 / 4^{\prime \prime} \ldots$ Net.1.69 Net 1.69

## (H) HIGH QUALITY CLAMP SETS <br>  <br> Durably made of malleable tool steel. Available in $1^{\prime \prime} .212^{\prime \prime}$, and $3^{\prime \prime}$ jaw sizes. In sets as follows: $1.3^{\prime \prime}$ and $1.1^{\prime \prime}$ clamp or $1-212^{\prime \prime}$ and $2.1^{\prime \prime}$ clamps. <br> $1-3^{\prime \prime}$. and 1-1" clamp. Shpg. wt., 20 02. 14 T 6121 Net 69  Net 79

## ADEL HAND "NIBBLING" TOOL



- Cuts any shape or opening by hand

Easily operated hand "Nibbler" cuts any shape hole in sheet steelaluminum - copper - or plastic. Metal remains flat and straight after cutting. Does not add straln or distortion to edges. Cuts holes in preformed sheet metal without distorting original form. Cuts in all directions. Any design - angle - radius. Follows scribe lines easily. Best possible tool for cutting template and model parts. Shpr. wt., 8025.
14 T 1205 $\qquad$
Replacement punch for above
1471206

# Precision Metal Working Tools <br> \section*{DELUXE 40-PIECE TAP AND DIE SET} 

- National Coarse
\& Fine Thread

$40-\mathrm{pc}$. set for mechanies, machinists, engineers. One tap and die in each of following: 4-36, 12-24, $3 / 4-16,3 / 24,6-32,1 / 4-20$. $7 / 4-200^{\circ}$ $1 / 2-20,8 / 32,1 / 4-28,1 / 4-14,1 / 2-13$,
10-32, $x_{1}-18, K_{-}-24,1 / 12$-Pipe Tap; plus long handie adjustable tap wrench. " $T$ " handle tap wrench, die handle, screwdriver, screw pitch gauge. Hinged metal box with moulded rubber inlay tray. Imported. 13 T 5588 Shpg. wt., 67 y lbs.


## 20-PIECE TAP AND DIE SET

## - National Coarse Sizes

rwenty of the most often needed taps and dies. Sizes popularly used in radio, hobby, home, shop and light Industry. Contains one tap and one die in each of the following sizes: 6-32, 8-32, 10-24, 12-24,
 4/4-20, $\mathrm{K}_{0}-18,3 / 0-16,1 / 4-14$, and 1/2-13. Includes die stoch and adjustable tap wrench. Entirs set contained in a fitted metal case. Imported. Shpr. wi., 4 lbs.
13 T 5510
Net 3.95

## TUNGSTEN SPEED 12-PC. TAP \& DIE SET

 - 5 National Coarse SizesTen taps and dies - most popular national coarse size. High quality-low cost set for servicemen, hobbyists. experimenters, repair shops and handymen. Set includes one tap and one die of the following sizes: $1 / 4-20$. $x_{1}-18$. $3 / 6-16$, //6-14, 1/2-13. Complete with die stock, tap wrench and fitted wooden case. Shpg. wt., 4 lbs. Imported.


## HAND TAP SET

- American Stanoard Thread
- 5 Most Needed Sizes Handy tap set includes most often
 13 T 5509 used sizes. Consists of 6-32 8-32.
10.32. K. 24 , and $1 / 4-20$ taps. Rugged tap wrench with H-bar handle; all in heavy plastic pouch. All threads are American Standart. ExIremelv useful for repair and servicemen. Shpg. wt., I lb. Imported. 13 Y 5511 Net .89


## NUT CRACKER

$4^{95}$


Handy tool for craching "frozen" nuts from 5/16" to $7 / 8$ " at videst dimension. Place tool over frozen nut. Tightening allows wedge ac. tion to split nut without damaging screw. 13 r 1905 Shpg. wt., $11 / 2 \mathrm{lbs}$.

## 12 NEEDLE FILES



## HANDY WARDING FILE SET

## 806

- 5 Individual Files


Perfect for shop-home-hobby work. Kit consists of flat, half round, triangular, square, round and taper files. All with Individual hard plastic handles. Sturdy olastic pockel case included. Imported. Shpg, wt., 1/2 ib. 13 Y 5512

5-PC. ASSORTED FILE SET $1^{49}$

Five files selocted for utility and durability. Good quality - thiree standard shapes two triangular. Sizes $6^{\prime \prime}$ to 12". Shpr. wi., 2 lbs

## 13 Y 5508

Net 1.49

## PRECISION OILER

$79^{\circ}$
Instrument for precision oiling. Spout is only $.003^{\prime \prime}$ dia. Made of stainless steel and butyrate. Flled with clear, non-staining machine oil. Can be refilled. Hypo action prevents messy, harmful overolling. Shpe. wt. 402.
14 r 8310
14 T 8311 Precision Graphite $\quad$ Net 79 14 T 312 Preclston Grease .... Net. 78

## LAFAYETTE CHASSIS PUNCH SET

- Easy-smooth holes in sheet metal
- 5 Sizes: $1 / 2^{\prime \prime}, 5 / 8^{\prime \prime}, 1 / 4^{\prime \prime}, 1^{\prime \prime}, 11 / 8^{\prime \prime}$ Five most often needed round hole punches Easily cuts smoath accurate holes for sochets, plugs, controls, panel lights, switches, terminals, and most radio parts. Orive with any wrench or with included T-handle. Punch slzes included are $1 / 2^{\prime \prime}, 3 / 6^{\prime \prime}, 3 / 4^{\prime \prime}, 1^{\prime \prime}, 110^{\prime \prime}$. Complete with punches, dies, T drive hande, tapered reamer. fitted case, and instructians. Shpg. wt., $21 / 2$ lbs. Imported. 99 T 8024

Net 5.49


## GREENLEE CHASSIS PUNCHES

TYPE 730


TYPE 731


TYPE 732
Cut holes in metals up to 16 gauge thick with the turn of an ordinary wrench. No sawing, reaming or flling. TVPE 730, Round Holes, AVG. Shipg. wt., $11 / 2 \mathrm{lbs}$, ea.

| Stock Mo. | Size | Net ea. | Stock No. | Size | Net ea. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1312501 | 1/2" | 2.70 | 13 โ 2926 | 11/4" | 3.15 |
| 13 T2902 | \%*" | 2.70 | 13 Y2943 | 1\%\%* | 3.75 |
| 13 T2903 | \%6" | 2.70 | $13 \% 2927$ | 17/3" | 3.75 |
| 13 T2904 | 11/0" | 2.70 | 13 T 2928 | 11/2" | 4.25 |
| 13 T2905 | 3/4" | 2.70 | 1372929 | 15/8" | 5.10 |
| 1312906 | 1\%10" | 2.70 | 13 T 2930 | 13/4" | 5.85 |
| 13 Y 2907 | 7/8" | 2.70 | 13 T 2931 | 17/" | 7.30 |
| 13 T 2908 | 1916. ${ }^{\prime \prime}$ | 3.00 | 13 T 2932 | 2" | 7.80 |
| 13 T 2909 | $1{ }^{\prime \prime}$ | 3.00 | 13 T 2933 | 21/0" | 8.45 |
| 13 T 2910 | 11/6" | 3.15 | 13 T 2934 | 21/4' | 8.45 |
| 13 Y 2911 | 11/8 | 3.15 | 13 T 2935 | 21/2" | 13.75 |
| 13 T 2912 | 1\%1\% | 3.15 | 13 T 2936 | $27{ }^{\prime \prime}$ | 19.00 |
| 13 T2913 | 1\% ${ }^{\text {c }}$ - | 3.15 | 13 J 2938 | 3" | 26.50 |
| TYPE 731 Shpg. wt. | ware bs. | Avg. | TYPE 732, Shpg. wt., | $\begin{aligned} & \text { yed So } \\ & \text { los. } \end{aligned}$ | Avg. |
| Stock No. | Size | Net ea. | Stock No. | Size | Net ea. |
| $\text { 13I } 2914$ | $1 / 2{ }^{\prime \prime}$ | 6.45 | 1312917 | 1/\%)" | 6.00 |
| $13 \mathrm{r} 2915$ | 580 | 6.35 | 13 I 2916 | 11/10" | 6.10 |
| 13 r 2916 | 1/4" | 7.10 | 1352919 | $111 / 4$ | 6.80 |
| $13 \text { Y } 2939$ | 7/0' | 6.30 | 13 T 2941 | 11/44 | 7.60 |
| 13 T2940 | $1{ }^{\prime \prime}$ | 8.60 | 13 T 2942 | 131/4 | 8.50 |

Replacement cap screws for 730, round hole, punches above. Shpg. wt., 4 ozs.
13 T 2920
13 T 2921
13 「 2922
13「2923
13 Y 2924
13 T 2925

| for | Net 30 |
| :---: | :---: |
| For 1\%0 "through 7/e" | Net 30 |
| For 1"through 11/2" | Net 35 |
| For 15/8" through 174" | Net . 55 |
| For 1\%" through 21/2" | Net . 65 |
| For $21 / 4^{\prime \prime}$ and $3^{\prime \prime}$ | 3.30 |

5.PC. SCREW EXTRACTOR SET
$79^{\circ}$
Chrome vanadium set. Removes broken and multilated screws-bolts-studs, even $1 / 8^{*}$ and $1 / 4^{\prime \prime}$ pipe. Simply drill damaged screw. twist extractor in-and back screw out. With plastic pouch. Imported. Shpg, wt.. 1 lb . 13 T 5545 $\qquad$
TOOL STEEL TAPERED REAMER
$79^{\text {c }}$
Enlarges holes to 1/2". Tapers down to $1 / 8^{\prime \prime}$ point. Fits any $3 / 8^{\prime \prime}$ drill chuck. Machined edges. Overall length $45 \%^{\prime \prime}$. Length of "T" handle 4". Imported. Shpg. wt., $1 / 2 \mathrm{lb}$.
14 T 6102 $\qquad$ Net .79

Make Lafayette Your One Dependable Source for Everything in Electronics

# High Quality Pliers-Cutters for Electronics 

## KRAEUTER "INDUSTRIAL" PLIERS



## - All With Cushion Grip Handles

Fine quality-hammer-forged from high grade tool steel. Individually fitted, tempered and adjusted. Fully polished heads. Rust-resistant cushion grip handles.

| Stock Mo. | Type | Fig. | Description | Net |
| :---: | :---: | :---: | :---: | :---: |
| 13 T 2801 | 35015 | 1 | 5" Diagonal Cutters | 2.75 |
| 13 T 2802 | 35016 | 1 | $6^{\prime \prime}$ Diagonal Cutters | 2.99 |
| 13 T 2803 | 37015 | 2 | 5" Needle Point Diagonals | 3.25 |
| 13 T 2804 | 36616 | 3 | $6^{\prime \prime}$ Long Nose Side Cutter | 3.09 |
| 13 T 2806 | 30306 | 4 | 61/2" Side Cutters | 2.99 |
| 13 T 2807 | 27510 | 5 | $10^{\prime \prime}$ Joint Pliers | 2.75 |
| 13 T 2820 | 36535 |  | 5" Radio a Ignition Long Nose Cutting Pliers (Cross. |  |
|  |  |  | Coil Spring) | 3.60 |
| 13 T 2809 | 36107 | 7 | 7" Heavy Duty Diag. | 2.99 |

## CHAN LEE LOCK ELECTRONIC PLIERS



718 G


Forged from high grade steel, precision machined. Speclally designed for fine electronics work. Long. slender reach... precision-matched jaws ... hand-honed, specially hardened cutting edges. The 748 G long reach end cutters are fine enough to cut a human hair-rugged enough to cut 12 gauge copper wire. The 738G long reach, round nose will pick up a human halr with its precision machined parts. The 728Glong reach diagonal cutters have a patented wire stripper that really works. The $718 \mathrm{G}-\mathrm{long}$ reach, flat nose has a bulldog grip with watchmakers precision. Length' $8^{\prime \prime}$. Av. shpg. wt., 8 ols.
13 T 3001748 G end cutter with plastic grips $\qquad$ Net 2.85 13 T 30027386 round nose with plastic grips 13 T 30037286 diagonals with plastic grips 13 T 30047186 flat nose with plastic grips Net 2.59 Net 3:19 Net 2.59

CHAN LEEIOCN LITTLE CHAMP PRECISION PLIERS


## - Top Quality Precision Pliers

Fine quality small pliers, ruggedy designed for bench work that requires delicate handling. Drop forged from high grade steel. Precision made and polished to jewelers finish with plastic cushion grip handes. Avg. shpg. wt., 5 ozs.

| Stock No. | Type | Fig. |  | scription | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 13 T 3005 | 41-6 | A | 41/4" | Diagonal Cutte | 2.69 |
| 13 T 3006 | 42-G | 8 | 4" | End Cutter Nipper | 2.89 |
| 13 T 3007 | 43.6 | C | 43/4" | Needle Nose | 2.39 |
| 13 T 3008 | 44-G | D | $43 / 4{ }^{\prime \prime}$ | Flat Nose | 2.49 |
| $13 T 3009$ | 45-G | E | 42\%" | Round Nose | 2.59 |
| 13 T 3010 | 47-6 | $F$ | 434" | Needle Nose Cutter | 2.99 |
| 13 T 3011 | 48-G | G | 43/4" | Transverse End Cutter | 2.99 |
| 13 T 3012 | 49-6 | H | 41/2" | Curved Needle Nose | 2.89 |

## PRECISION PLIER SET

## 1

- Full Polished Chrome Plated
- Insulated Handles - Jewelers Types

Matched set of precision pliers for the technician-hobbyist-model maker-craftsman. Particularly suited to miniature electronic work. Size and handle shape matched for accurate exacting work. Overali length approximately $41 / 2{ }^{\prime \prime}$. Set includes combination side cuttersflat nose-chain nose-round nose-round/flat nose-diagonal cutters-and cutting nippers. All have insulated, cushioned handes. Drop forged from tool steel. Extra heavy, poly-vinyl, roll up case. Clear view pockets. Can be rolled for easy carry-or hang above bench. Imported. Shpr. wi.. 1 lo. 6 ozs. 99 T 6038

Net 4.95

(A) $61 / 4^{\prime \prime}$ LONG NOSE PLIERS. Durable drop forged steel plieps with hardened and tempered side cutting edges. Insulated handles for protection and comfort. Thin nose reaches into any space. Completely polished and lacquered finish to prevent rusting. Imported. Shpg. wt., 10 oz .
13 T 5578
Net 1.29
(B) $61 / 4^{\prime \prime}$ DIAGONAL CUTTING PLIERS. Fully drop forged steel construction. Hardened and tempered cutting edges... thin nose for hard to reach places. Shockproof handles are insulated for comfort and protection. Rust-proof finish is completely polished and lacquered. Imported. Shpg. wt., 1002.
13 T 5579
Net 1.29
(C) 7" LINESMAN'S CUTTING PLIERS. Large strong holding grip. Rugged drop forged construction...tempered steel edges. Com. fort design handles are shock insulated. Nose and handles protected by polished and lacquered finish-prevents rusting. Imported. Shpg. wt., 1 lb.
13 T 5580
Net 1.49
(D) 8" SLIP JOINT PLIERS. Rugged, efficient .. adjust to a variety of positions, reach into any area. Strong gripping head with insul. ated cushion-grip handles. Long-lasting drop forged steel with attractive and protective chrome plated finish. Imported. Shpg. wt., 10 oz
13 T 5581
Net . 99
(E) $61 / 2^{\prime \prime}$ CURVE NOSE PLIERS. Versatile long. nose pliers bent $45^{\circ}$ at midpoint of jaws. Forged from special heat treated, alloy steel and chrome plated to resist rust. Hand honed side cutters. Imported. Shpg. wt., 10 02.

13 T 5520
Net .99
(F) LIGHT WEIGHT LONG NOSE PLIER. Ideal for all types of dellicate work and for reach. ing into hard-to-get-at places. Spring closing -holds wires, nuts, screws, etc. Handy for mechanics, assemblers, hobbyists. $83 / 4$ " long, with soft plastic colored handes. Shpg. wt., 402
14 T 2601
Net 1.19
(G) $91 / 2^{\prime \prime}$ HEAVY DUTY WATER PUMP PLIERS. Drop forged are joint slip-groove for big leverage on work you can't get with other gripping tools. Fully chromed and polished plier offers maximum leverage and strength. 5 adjustments. 1" parallel opening. Deep milled jaws made of chrome vanadium steel. imported. Shpg. wt., 1 lb.
14 T 5521
Net 1.49
(H) 10" LOCKING PLI-WRENCH. Super power locking combination pliers, wrench, clamp and vise. Exerts over 1,000 lbs. of pressure. Heat treated, drop forged jaws. Machine milled teeth. Chrome plated. Imported. Shpg. wt., 1 lb .
14 T 5522 Net . 8
(d) 10 P PLI-GRIP WRENCH WITH QUICK RE. LEASE. Made of high quality chrome molyb. denum steel. All purpose drop-forged steel jaw for flat, round, or hex work. Quick fingertip release lever permits convenient one hand operation. Has spring tension adjustment and bright plated finish. Imported. 13 T 5599 Shpg. wt., $11 / 4$ lbs. ........ Net 1.99

[^11]
## Professional Screwdrivers-Nutdrivers


(a)

## (A) SERVICE MASTER TOOL KIT

- Versatile - 23 Piece Set - Quick-Change Toois
- Durable, Roll-Up Vinyl Canvas Case
model 995 M Valuable kit has: pliers- $6^{\text {" }}$ long nose and 5" diagonal; $6^{*}$ adjustable wrench; 9 regular nutdivers $3 / 16^{\prime \prime}$ through $1 / 2^{\text {" }}$; 3 stubby nuterlvers, $1 / 4^{* \prime} 5 / 16^{\circ}$ and $3 / 8^{\circ}$; Philips screwdriver; 2 slotted screwdrivers, $3 / 16^{\prime \prime}$ and $9 / 32^{\prime \prime}$; 2 reamers; extension. Shpg. wt., $23 / 4$ lbs.
13 T 4643
Net 25.80


## (B) "TRAY BIEN" NUT DRIVER SET

- Solid Shaft 7 Color Coded Nut Drivers
- Carrying Case for Bench, Caddy or Wall Mounting

Model 127 C8 molded plastic bench tray has fold away stand. Holds tools securely yet permits easy removal. Hex sizes $3 / 16^{"}, 7 / 32^{"}$, $1 / 4^{\prime \prime}, 9 / 32^{\prime \prime}, 5 / 16^{\prime \prime}, 11 / 32^{\prime \prime}, 3 / 8^{\prime \prime}$. 13 8 4646 Shpg. wt., $14 / 2 \mathrm{lbs}$.


## (C) NUT DRIVER SCREWDRIVER SET

- 13 Piece Nut and Screwdriver Set
- Durable Plastic Roll Kit

Model 99PR-Thirteen interchangeable nut drivers and screwdrivers. Nine nutdrivers, $3 / 16,7 / 32,1 / 4,9 / 32,5 / 16,11 / 32,3 / 8,7 / 16$, $1 / 2^{\prime \prime}$. Slotted screwdilver $3 / 16^{\circ}$, and $1 / 4^{-}$. Phillips screwdrlvers (\#1 and \#2). Handle. Roll up kit. Shpg. wt. 2 ibs. 13 T 4621 Net 9.42

## (D) "TRAY BIEN" NUT DRIVER SET

- Hollow Shaft-7 Color Coded Nut Drivers
- Carrying Case for Bench,Caddy or Wall Mounting model 147TB contains 7 hollow shaft color coded nut drivers. (Hex sizes $1 / 4^{\prime \prime}, 9 / 32^{\prime \prime}, 5 / 16^{\prime \prime}, 11 / 32^{\prime \prime}, 3 / 8^{\prime \prime}, 7 / 16^{\prime \prime}, 1 / 2^{\prime \prime}$.) Housed in attractive "snap lock" case for secure holding and easy removal. 13 T 4647 Shpg. wt., 2 lbs.


## COMPACT DOUBLE DUTY TOOL SETS

(E) PS-120 COMPACT NUTDRIVER SET-10 nutdrivers, 312"" pucket. size. Piggy-back "torque amplifier" handle slips over pocket tool handes, gives grip and power of standard drivers. See-thru plastic case, slimmed to fit your pocket; stands on flat base. $8 / 2,1 / 6$,

13 T 4602
 reach double duty rool SET-Saves bench space, Gives grip reach and power of standard drivers with remarkable :orque amplifier" handie. Set includes: (all 31/2") 2 color coded nutdilvers, $1 / 4$ and Ko " ${ }^{2}$ slot tip screwdrivers, 2 Phillips screwdrivers. \#0
and 1 . Silim. pocket-fitting see-thri plastic case. 13 T 4622 . pocket-fitting see-thru plastic case.
(G) PS 88 SCREWDRIVER SET-Compact, for bench and pocket. Set has
 "0. \#1. "2. Alt $34 / 2^{\prime \prime}$ pocket size plus $1 \times 344^{\prime \prime}$ hollow handle. See thru plastic case, stand-up base. Shpg. wi., 12 oz . 13 74644
N. 24.20
(H) 99PS-50 SET OF SCREWORIVERS.NUTDRIVERS COntains Seven nut-
 Ko" $^{\prime \prime}$ and Ka"; "1 and "2 Phlilips screwdrivers: an extension blade (adds $4^{\text {º }}$ reach to single end blades); regular hande $1 X_{0} \times 44^{\prime \prime}$ ". Easy to work with in space-saving, convenient see-thru olastic case with flat base that stands up on work bench. Shpg. wt.. 1 lb. 13 T 4645

Net 8.55

## VINYL PLASTIC ELECTRICAL TAPE

$$
59^{c}
$$

- UL Listed
- $60 \mathrm{Ft} \times 3 / 4^{-}$
- . 008 in. Thick


## - 10,900 V. Breakdown

First quality, pressure sensitive polyvinyl chlorlde tape. Extremely high dielectric strength of $10,900 \mathrm{~V}$ breakdown. Insulation resistance of one million megohms. Over $\mathbf{1 5 0 \%}$ elongation at break. Excellent resis. tance against acids, akkalis, olls, salt water, etc. Tensile strength of 15 lbs. Der in, High conformability. Forms tight, smooth protective wrap. Imported. Shpe. wt.. 402. 99 T 8015

Net .59

## LARGE PLASTIC TAPE KIT:

10 rolls of vinyl plastic tape. Each roll 33 ft. by $3 / 4{ }^{\prime \prime}$. 1 ea, of Red, white, sky blue, blue grey, yellow, brown, green, black and orange.
99 ì 8030 Shpg. wt., $14 / 2$ lbs.
.. Net 2.59

HIGH QUALITY CHROME VANADIUM SHAFTS-U.L. HANDLES


## ROUND BLADE SCREWDRIVERS

| ack | Tyae \# | Shatt Size | OV | Ne |
| :---: | :---: | :---: | :---: | :---: |
| 13 T 4624 | R144 | 4* |  | 93 |
| 4625 | RT46 | $6^{\prime \prime} \times 1 / 4$ | $10^{-}$ | 1.02 |
| 4626 | R:48 | $8{ }^{\prime \prime} \times 1 / 4$ | 12" | 1.08 |
| 4627 | R. 82 | 2. $\times 1 / 8$ | 24 | 39 |
| 4628 | R183 | $3^{\prime \prime} \times 1 / 8^{\prime \prime}$ |  | 6 |
| 4629 | R184 | $4^{\sim} \times 1 / 8^{*}$ | 61/2" | 45 |
| T4631 | R188 | $8^{\prime \prime} \times 1 / 8^{\prime \prime}$ | 101/2" |  |
| SET-SCREW |  |  |  |  |
| 13 T 4632 | R1841/2 | $4^{*} \times 1 / 8$ | 6 | 39 |
| 13 T 4633 | R3323 | 3- ${ }^{\text {x }} 3$ /32" ${ }^{\text {" }}$ | $5^{\prime \prime}$ | . 36 |
| PHILLIPS SCREWDRIVERS-alloy steel |  |  |  |  |
| 13 T 4634 | X101 | $3^{\text {- \# }} 1 \mathrm{pt}$. | 61/2" | . 78 |
| T 4635 | $\times 102$ | $4^{\prime \prime}$ \# 2 pt | 73/4" | . 96 |
| 463 | $\times 103$ | 6*\#3p | $10^{\text {- }}$ | 1.35 |
| 13 T 4637 | $\times 108$ | 6"\#1 pt. | $10^{\prime \prime}$ |  |

HOLLOW SHAFT NUT DRIVERS

| Stock No. | Type \# | Shaft Size | Overall | Net |
| :---: | :---: | :---: | :---: | :---: |
| 1314648 | HS-6 | 3/16* | 61/4" | . 99 |
| 13 T 4649 | HS-7 | 7/32* | 61/4" | . 99 |
| 1314611 | HS-8 | 1/4" | 7" | . 99 |
| 13 T 4650 | HS-9 | 9/32* | 7* | . 99 |
| 13 T4612 | HS-10 | 5/16* | 7" | . 99 |
| 13 T 4613 | HS-11 | 11/32" | 7 | . 99 |
| 13 T4614 | HS-12 | 3/8" | 7 | . 99 |
| 13 T4651 | HS-13 | 13/32" | 714" | 1.14 |
| 13 T 4615 | HS-14 | 7/16" | 71/4" | 1.14 |
| 13 T 4652 | HS-15 | 15/32* | 714" | 1.14 |
| 13 T 4616 | HS-16 | 1/2" | 714" | 1.14 |
| 13 T 4617 | HS-18 | 9/16" | 714" | 1.20 |
| 13 T 4618 | HS-20 | 5/8" | 759** | 1.35 |
| 13 T 4653 | HS-22 | 11/16" | 75\% | 1.95 |
| 13 T 4654 | HS-24 | $3 / 4$ " | 75/8" | 1.95 |
| Shpg. wt. | 6 02. |  |  |  |

4-WAY POCKET TOOL

Exiremely handy tool for assembling and disassembling. It's $1 / 4$ and Ko $_{0}{ }^{\circ}$ nut driver a no. 1 Pqillips screwdriver, and
siotted screwdriver. Snop. wt., of oz.
13 T4623

# Selected Tools For The Hobbyist 



6 PIECE HOLLOW SHAFT NUT DRIVER SET


## - Heavy-Duty Plastic Handle - Made in U.S.A.

$2^{29}$
Heavy duty nut drivers with plastic handle. Hollow blade permits tightening of nut over long screws...slim-line styling reaches anywhere. Blade features rust proof finish. Sizes: $3 / 16,1 / 4,5 / 16,11 / 32,3 / 8$ and $7 / 16^{\prime \prime}$. Each nut driver is $51 / 2^{\prime \prime}$ long. Made in U.S.A. Shpg, wt., 1 lb.
13T5583
Net 2.29
MULTI-DRIVE SCREWDRIVER


- With 5 Interchangeable Bits Quality all-purpose screwdriver. "He-Man's" sized grip for comfortable operation. 5 popular bits: \#1 Phillips, \#2 Phillips, 1/4" Yankee blade, 3/16" Yankee blade and awl. Protective chrome plated shaft and chuck. Imoorted, wt.. 1 lb .
13 T 5582
Net 1.29



## 7-PIECE NUT-DRIVER SET $89^{\circ}$

Polished, hardened steel detachable shafts, Plastic handie with precision clutch. Contains: 1 each, $x_{0}{ }^{\prime \prime}$ hex nut shaft, $1 / 4^{\prime \prime}$ hex nut
 3/8" hex nut shaft, too $_{0}$ " hex nut shaft, amber handle with chuck. Imported.
14 T 6118 Shpg. wt., 2 lbs.
Net 89


## 10 PIECE NUT AND SCREW DRIVER SET

## $2^{25}$

Polished, hardened tempered, steel blades and hex-drivers, 6 nut drivers - $11_{0}{ }^{\prime \prime} 1 / 44^{\prime \prime}$,
 $4^{\prime \prime} \times 1 / 4^{\prime \prime}, 31 / 2^{\prime \prime} \times 1 / /^{\prime \prime}$. Philips $\$ 24^{\prime \prime} \times 1 / 4^{\prime \prime}$. Shockproof amber handle with flanged chuck. Heavy plastic roll up kit. Shpg, wt., 1 it. 14 T 5203

Net 2.25

## LAFAYETTE ELECTRO-TOOL SET

- Professional Quality Throughout - All the most often needed tools - Designed with the Technician in mind

Contains the following: $61 / 2^{\prime \prime}$ insulated side cutters, $5^{\prime \prime}$ Insulated chrome plated diag. onals, $6^{\prime \prime}$ insulated chrome plated long nose. 30 -watt soldering iron, 3 offset open-end wrenches from $1 / 4^{\prime \prime}$ to $12^{\prime \prime}$. $5^{\prime \prime}$ chrome plated tweezers, shockproof amberoid chuck han. die, $1_{2}$ screw driver blade, $\$_{2}$ screwdriver blade, 1 recessed screwdriver blade, punch. awl blades, $1 / 4^{\prime \prime}$ nut driver blade, solder and flux in a zippered, fitted, carrying case with handle, $9 \times 5 \times 2^{\prime \prime}$. Imported. Shpg. wt., $21 / 2 \mathrm{lbs}$. 9918017

Net 9.95

## 25-PC. DELUXE TOOL SET



Hardened, tempered
alloy steel tools for
handy use in the
house or workshop.
Kit consists of
Kit consists of 1
plastic screwdriver handie with aluminum chuck; 4 screwdriver blades $\left(1 / 8 \times 41 / 4^{\prime \prime}\right.$, $3 / 16 \times 43 \mathrm{~m}^{\prime \prime}, 1 / 4 \times 5^{\prime \prime}$ flat drivers and one No. 1 Phillips blade); 8 open and box end wrenches ( $13 / 64-7 / 32^{\prime \prime}, 7 / 32-15 / 64{ }^{\prime \prime}, 15 / 64$. $1 / 4^{\prime \prime}, 1 / 4-9 / 32^{\prime \prime}, 5 / 16^{\prime} \cdot 11 / 32^{\prime \prime}, 9 / 32^{\prime}-5 / 16^{\prime \prime}$, 11/32-3/8", 3/8.7/16"); 2-way flat ratchet handle; 2 -way flexible shaft extension; 2 -way $1 / 4^{\prime \prime}$ extension bar; 8 steel sockets $(3 / 16$, $7 / 32,1 / 4,9 / 32,5 / 16,11 / 32,3 / 8,7 / 16^{\circ}$ ) All in a convenlent roll pouch with handy pocket for each tool. Imported. Wt. $11 / 2 \mathrm{lbs}$. 13 T 5533

Net 1.95

## REVOLVING LEATHER PUNCH



Has 6 standard punching tubes. Made of long. lasting tempered steel. Imported, Shpg. wt., 12 ozs.


Measure round, flat, or irregular shapes up to $4^{\prime \prime \prime}$ thick. Direct readings on $0.4^{\prime \prime}$ scale callibrated in 32nds. Measure up to $3^{\circ}$ in from the edge of a part. Knurled thumbscrew locks the caliper at midscale position for use as a gauge, Shpg. wt., 1 lb . 14 T 2901

Net 189


Sharp pointed projection for accurate divid. ing, scribing, etc. Lock nut insures against errors caused by sliding gauge. Rule graduated in 16 th and 32 nds plus $5^{\prime \prime}$ depth gause. Precision-made. Imported. Shpg. wt., 1 ib. 14 T 6112 ................................... 19

## SELF-ADJUSTING SOCKET WRENCH



- Adjusts Automatically from $1 / 4$ to $7 / 16^{\prime \prime}$
Now one tool replaces many socket wrench. es! Simply press this wrench on any bolt or nut from $1 / 4^{\prime \prime}$ to $1 / 2^{\prime \prime}$ In size and it automatically selects the right socket to fit, no other adjustments needed. High tensile strength sockets minimize slippage, provide high torque. Accommodates bolt extensions up to $11 / 4^{\prime \prime}$ long. Chrome plated steel housing, insulated handie. Length $6^{\prime \prime}$. Shpg, wt. $1 / 2 \mathrm{ib}$. 14 T 2250

Net 2.79

## WIRE STRIPPER AND CUTTER



For any size wire, stranded or solid. Adjustable arm for varying wire size. Made of hardened tool steel finely ground cutting edges. Built-in spring holds cutter open. Has ring-latch to hold blades in closed position. Shpg. wt., 4 oz .
14 T 1650
Net 1.19


A precision tool with an exclusive sate. guard that prevents damage to wires. Eight stop gauge adjusts instantly to the correct wire size. For all wires between 12 and 26 gauge. Comfortable insulated grip. Specially ground cutting edge. Shpg, wt., 1/2 lb. 13 T 6119

Net 1.49


Consists of 9 short arm wrenches from .050** through $1 / 4^{\prime \prime}$, and 9 long arm wrenches $x_{0}{ }^{\prime \prime}$ through $3 / \mathbf{s}^{\prime \prime}$. Wrenches are made of fine quality tool steel. Bright plated-quality controlled. Packed in 18 -pocket plastic roll up kit. Handy kit for shop, garage, home workshop. Imported. Shpg. wt., $11 / 2 \mathrm{lbs}$ 14 T 7601

Net 69

##  <br> ELECTRICIAN'S

Two-blade knife with steady locking device. Blades: screwdriver, wirescraper: spearshape, Overall slze: $33 / 4$ ". With belt loop.
13 T 5516 Shpg. wt., 6 oz .
Net .99

## 91/2" METAL SHEARS



Straight cutting snips with drop forged steel blades. Lock keeps self-opening handle in closed position. Tough plastic grips on handles. $91 / 2$ " long. Imported. Shpg. wt., 12 02.

13 T 5595
Net 1.95

# The Right Tools at the Right Price 

## POW-O-MATIC STEEL TAPE

 - Push Button$3 / 4 \ln \times 12 \mathrm{Ft}$.


Power push-button $12^{\circ}$ yellow steel measur. ing tape. Easy to read, red and black. Ft., and inch markings. Ke" and $1 h^{\prime \prime}$ graduations, with $2 i p$ belt clip.
14 T 1605 Shpg. wt. $1 / 2 \mathrm{lb}$. $\qquad$ Net 2.19

## HEAVY DUTY TUBING CUTTER

 For cutting copper, brass and aluminum tubing. Capacity $1 / 3^{-3}$ to $11 / \mathbf{s}^{\prime \prime}$. With safety slide lock Integral reamer. Hardened steel cutter, satin finished heavy duty frame. Imported. 13 T 5606 Shpg. wt., 1 tb. Net 1.99

## 6.FT. EXTENSION RULE

1 19

For general work and doing inside measurements of doors, windows or other openings, $6^{\text {m }}$ graduated brass slide fitted into one of the end sections. Made of kiln-dried hardwood. Brass plated spring folnts. Rule is "to" wide and has $6^{\prime \prime}$ folds. Total length $6^{\prime}$. Shpg. wt. $1 / 2 \mathrm{lb}$.
13 † 5607
Net 1.19

## COMBINATION SQUARE

 \& SCRIBER
## $99^{\circ}$



Many uses-tri and mitre square, depth gauge, marking gauge, level, scriber. Graduated 8ths and 16 ths on one side, 16 ths and 32 nds on other. $12^{\circ}$ blade. Shpg. wt. 1 to. 1456113 Net .99


Level anything. Simply center the bubble in the ring. The "Level-Up" may be mounted on a larger base for spanning large areas. Imported. Shog. wt.. - ozs.
95 T 1037 Net .69


Heavy, pliable, top grain leather. Stitched and riveted. 5 pockets and tape sling. Prac. tical, rugged tool carrier. Overall size $81 / 2 x$ $10^{\circ}$. Imported. Shpg. wt., I Ib.
14 T 6119
Net 1.29


Tubular heavy-duty spring handle. Blade cuts on both forward and back stroke. Easy wark. ing tension lever. Swedish steel blade 13 T Scas Shpg wt., $11 / 2 \mathrm{lbs}$. Net 1.49

## CLAW HAMMER WITH FIBERGLASS <br> HANDLE 269

Drop forged 16 02, hammer with head per. manently wedged by special plastic bonding process. Polished and perfectly balanced head
13 T' 5609 Shpg_ wt., 2 lbs. ._._Net 2.69

## TUBING CUTTER



A quality cutte for copper, brass, or alum Inum tubing. Us to $1^{-2}$ capacity. Alloy steel cutting wheel; slide-lock reamer. Ideal for light plumbing. etc. Imported. Shpg. wt., 8 02. 13 T 5540 Net .99

## SAFETY EYE GUARD

## $99^{\circ}$

Made in USA. Meets Fod. Spec. For impact and piercing. Optically clear plastic. Nonfogging. Well ventilated. Undistorted vision. Fits any size corrective eyeglasses. Shpg. wt. $402 s$.
13 T 5535 $\qquad$ Net .99

## FILTER MASK <br> $99^{\circ}$



Multi-purpose filter mask comes complete with 3 later and 3 gauze filters. Proiects nose and throat from dust during sanding, boat scraping, grinding and plant or garden spray. ing. Pliable mask molds to all facial contours. All filters are replaceable. Shpg, wt., 602.

13 T 5598 $\qquad$ Net 95

## "EVER-LEVEL" <br> 



Floating pointer. Measures pitch in degrees, measures inch rise per ft. Only $2^{* *}$ square by $1^{\text {" }}$ thick. Read angle leveling from top-bottom-or sices. Imported. Shpg. wt., 4 ozs. 13 T 5530

Net .65

## WORK BENCH MAGNIFIER

$99^{\circ}$


Handy 3~ diameter magnifying glass with a flexible shaft and an altractive metal base. Ideal for hotbyists or students. Imported. Shpg. Wt., 1/2 lb.
13 H5597
 Net .9

## SELF LOCKING HASP-LOC $2^{59}$



Self contained; no need to purchase a separate padock No keys required to lock; keys used for opening only. Heavy-duty and rust oroof. S ze $41 / 2^{\prime \prime}$. Shpg. wt., 1 tb
13 T 7505

## BRICKLAYER'S HAMMER

All Steel-Cushion Grip



Fully drop-forged, one piece steel construc tion. Non-silp rubber cushion grip. Hefty 30 02. Prime tool $11^{*}$ long. imported. Shpg. wt., 3 lbs.
99 T 8039
FLARING TOOL


49

Made of high grade chrome prated tool steet. Malleable clamp. Rapid opening hinge for swivel cone yoke. sizes: $3^{3 / 16^{\prime \prime}} 1^{1 / 4^{\prime \prime}}$. $5 / 16^{-1} 3 / 8^{\prime \prime}, 1 / 2^{-\prime}$ and $5 / 8^{-} 0.0$. Shipg. wt.。 $21 / 2 \mathrm{bs}$.
13 T 5539
Net 1.49

## AUTOMATIC CENTER PUNCH


peedy, automatic, and adjustable $\rightarrow$ single. hand operated punch gives light or heavy. impressions with just the turn of a screw. Spring pressure adjusts from $5 \cdot 30$ lbs. Im ported from England. Shpg. wt. 802 14 T 3320 Net 2.79

## RETRACTABLE UTILITY KNIFE WITH 5 BLADES



Die-cast handle with industrial finish. Fin ished with the no-slip grip.
14 T 1606 L Shpg. wt. 8 OL.
5 additional all-purpose knife blades
14 T 1607 L Shpg. Ht., 4 oz.

## LIQUID AND

 AIR PUMPSiphon Llquid - Pump Air All purpose high power foot and hand pump. Transfers, fills or empties any liquid from gas to water. If can also pump air into balls, balloons etc. Shps. wt., 1 tb. 12 T1450


CAMPER'S

## "KOMBO-KNIFE"



11 steel blades, spoon, fork, $31 / 2^{\prime \prime}$ saw, $31 / 2^{\prime \prime}$ knife, pruning knife, scissors, can opener, bottie opener, corkscrew, screwdriver, file, scraper. Leather sheath. Imported.
13 T 5506 Shpg. wt.. 1 lb .
Net 1.65

## 50 FT. NYLON ROPE $2^{25}$



100\% genuine twisted Nylon rope. Excellent for alt marine, workshop, farm and camping purposes. Tensile strength 1,800 pounds. Size: 1/4, 50 feet. Shpg. wt., 2 lbs.
12 T 5900 $\qquad$

# Selected Screwdriver Sets-Wrenches 

## "ADJUST-A-BOX" WRENCH

AS LOW AS

- A full set of box wrenches in one tool
- Narrow head: Gets into tight places
- NonSlip Jaw Grip, Prevents Slipping, Saves Knuckles
- Fits Metric Sizes as well as U. S. Standard

Covers range of eight or more double-end box wrenches-a complete box wrench set in just one tool. Off-set and upward slanted handle provides excellent knuckle clearance and full hand grip at all times. A perfect holding tool behind wall and other obstructions. Made of specially forged alloy steel for maximum strength, toughness, and long life. Requires less than half the lateral opening space of regular adjustable wrenches of same size and capacity. Comes in 3 sizes. Shpg. wt., $11 / 2$ lbs, $8^{2}$ long, laws adjust $1 / 4^{\text {" }}$ to 1
14 T 4501 Net 3.29
$10^{\circ}$ long. jaws adjust $3 / 8^{\circ \prime}$ to $116^{\prime \prime}$.
$12^{\prime \prime}$ long. jaws adjust $7 / 16^{\circ}$ to $1 \%{ }^{\circ}$.
$14{ }^{12}$ T 4502
Net 4.55
SELF ADJUSTING AUTOMATIC WRENCH


## ADJUSTABLE END WRENCHES

AS LOW AS


Adjusts jaws with a flick of your thumb . . . oversized knurl speeds opening and closing. Entlire wrench is made of drop forked steel and fully polished. Thin head gets into tight places easily. Extra fong for better leverage.

| Stack No. | Sire | Max. Jaw Open. | Smpe. Wt. | wet |
| :---: | :---: | :---: | :---: | :---: |
| 13 T 5566 | $6{ }^{\prime \prime}$ | 3/4" | 802. | 1.29 |
| 13 T 5567 | $8{ }^{\text {- }}$ | $1 *$ | 11 Oz. | 1.89 |
| 13 T5568 | $10^{-}$ | 11/3" | $11 / 2 \mathrm{lb}$. | 2.39 |
| 13 T5569 | 12* | 1\%* | 2 lbs. | 2.99 |

g-Piece Open-End Wrench Set. Made of fine drop forged alloy steel. Both openings and body of wrench have a mirrop finish. Sizes: $5 / 16^{\prime \prime}$ $x 11 / 32^{\prime \prime}, 3 / 8^{\prime \prime} \times 7 / 16^{\circ}, 1 / 2^{\prime \prime} \times 9 / 16^{*}, 19 / 32^{\prime} \times 11 / 16^{\circ}, 5 / 8^{\prime \prime} \times$ 3/4‥ Shpg. wt., 1 lb.
13 T5586 Fig. A
Net 1.89
5-Piece combination set. Open end and box end openings in same wrench. Ends olfset. Size $3 / 8^{*}, 7 / 16^{\circ}, 1 / 2^{\circ}, 9 / 16^{\circ}$ and $5 / 8^{\prime \prime}$, $11 / 16^{\circ}$ and $3 / 4^{\prime \prime}$. Mirror finish. Shpg. wt., 1 ib.

13 T 5587 FIc. B

miniature
TOOL KITS as Low As $1^{29}$
Model SC-5 screwdriver and Awl set. Five interchangeable blades insert into chuck. Blades are $.100^{\circ}, .080^{\circ}, .070^{\prime \prime}, .055^{\prime \prime}$ and 1 awl For repaining radios, cameras, electric razors, etc. With plastic case. 1472701 Shpg. wt., 802. $\qquad$ Net 1.25
Modef SH-2 Screw Holding screwdriver Set. Solid locking chuck takes either the $21 / 2^{\circ}$ or the $17 / 4^{\circ}$ length blades. All four parts con tained in a plastic case.
14 T 2702 Shpg. wt., 4 oz $\qquad$ Net 1.29
Model OE-5 Offset Open End Wrench Set. Five, tiny offset open end wrenches. All Interchangeable use one handle. Tough, heat treated steel. Easily remove or attach the tiny nuts used in sub-miniature electronic work. hobby, aeronautical, automotive, etc, Sizes are: 5/64, 3/32, 7/64, 1/8, 5/32.
14 T 2703 Shpg. wt., 8 oz.
Net 1.25
Model BW-5 Socket Wrench Se2. Five Interchangeable tiny hex socket wrenches. Hold tiny nuts for $\$ 00, \$ 0$ and $\$ 1$ thread. Fits hex nuts $5 / 64,3 / 32,7 / 64,1 / 8$ and $5 / 32^{\circ}$. Magnetized to hold those tiny ones firmiy. Complete with dust proof, stand up case. Wt., 6 ors.
14 T 2704 $\qquad$ Net 2.95
Model $5 W$-5. Same as above less magnetic handle. 14 T 2706 $\qquad$ Net 2.65

Madel PA-5 Phillips Driver and Allen Wreneh Set. Chuck-type knurled aluminum handle accommodates \#0 and \#1 Phillips drivers and \#4, \#6, \#8 Allen wrenches. Handle has torque lever for quick tightening. Handle plus 5 tools.
14 T 2705 Shpg. wt., 7 ozs $\qquad$ Net 1.49
Model TS-5 Tap Set. Has 5 heat treated steel taps ideal for cutting tiny inside threads on small items, knurled chuck type handle has torque hole for firm leverage. Tap sizes, 0-80, 1-72, 2-56, 3-48, 4-40.

Model \#70 Tap Drill set for cutting small holes which have to be tapped, 5 precision drills made of heat treated steel. Drill sizes: 3/64", \#20, \#53, \#47, \#43.
14 T 2700 Shpg. wt, 6 oz.
Net 2.65

## MOOOY MASTER TOOL SET

Medel MMAR. 5 compact, six tool sets for the hobbylist, jewelry and electronic trades. Contains models SC-5, PA-5, SW-5, OE.5, TS-5, and \#70 listed above. Complete with leatherette carry case. 14 T 2709 Shpg. wt., $11 / 2 \mathrm{lbs}$.

Net 14.95


Perfect for the hobbyist, jewelry and electronic trades. This precision 6 piece screwdriver set has sizes from $\# 1$ to $\$ 6$, width of blades $0.8-3.8 \mathrm{Mm}$. All have knurled handles with swivel heads. Chrome plated brass handies with diameter of $3.5-8.0 \mathrm{MM}$. Blades are hardened, tempered and rustproof for rugged use. Complete with handy plastic Indexed case with hinged cover. Imported. 13 T 5603 Shpg. wt., $\mathbf{1 / 2} \mathrm{lb}$.

Net 1.99

## 12 PIECE SCREW DRIVER SET <br> - 10 Popular Size Drivers <br> - 2 Metal Wall Racks

Here is a 12 -piece screw driver set that contains a size for every lob and for every need. Magnetized blades. Plastic handies U.L. listed Includes 2 metal wall racks for easy mounting. Shpg. wt., 12 dz. 13 T 6302 Net 1.39

$\qquad$
6 PC. "LOCKGRIP" SCREWDRIVER SET

- Slip - proof Vinyl Grip
- Magnetized Nickel.Plated Steel
 $4 x 1 / 4^{\circ}$ and $6 x y / a^{\prime \prime}$ cabinet and mechanics type screwdrivers and 1 ea. $3 \times \%_{\mathrm{c}}{ }^{\prime \prime}$, and $4 \times \mathrm{y}_{4}{ }^{"}$ Phillips-type. Shpg. wt., $11 / 2 \mathrm{lb}$. 13 T 6301


# High Quality Drop-Forged Steel Socket Sets 

## - CHROME PLATED

## 17 PIECE $1 / 4^{\prime \prime}$ ORIVE SOCKET SET

 Heavily chrome plated socket sat. Con-
 Plus $2^{\prime \prime}$ extension, $6^{\prime \prime}$ extension, $544^{\prime \prime}$ flex handle, $41 / z^{\prime \prime}$ crossbar, $51 / z^{\prime \prime}$ reversible ratchet. Each set packed in heavy gauge lacquered metal box. Imported. Shpg. wt., 2 lbs.

13 T5564
Net 4.95

## REVERSIBLE RATCHETS

## As Low As <br> 285



Professional Quality. Highly chrome plated. Imported. Shpg. wt., $1 / 4 \mathrm{lb}$. 13 T $55603 / 8^{-}$drive; $8^{\text {m }}$ length Net 2. d $^{\text {m }}$ 13 T $55591 / 2^{\prime \prime}$ drive; $10^{\circ}$ length - Net 3.29

13/16" SPARK PLUG SETS

## Only <br> $00 c$

A professional quality spark plug socket of chrome plated drop forged steel with neoprene insert. \%" drive; shpg. wt., $1 / 4 \mathrm{lb}$.
13 T 5561
Net .99
$1 / 2^{\text {c }}$ drive; shpg. wt., $1 / 4 \mathrm{lb}$.
13 T 5562
Net 99


21 PIECE 3/8" DRIVE SOCKET SET
Precision qualidy socket set. Contains: 12 Pt socket sizes: $3 ; 8^{\prime \prime}, 7 / 16^{\prime \prime}, 1 / 2^{\prime \prime}, 9 / 16^{\circ}, 5 / 8^{\circ}$. $11 / 16^{\prime \prime}, 3 / 4^{\prime \prime}-12^{\prime} \mathrm{Pt}$. deep socket sizes: $3 / 8^{\prime \prime}$. 7/16", $1 / 2^{\prime \prime},{ }^{*} 9 / 16^{\circ}, 5 / 8^{\prime \prime}, 11 / 16^{\prime \prime} .3 / 4^{*^{\circ}}$. 13/16". Plus: $3^{\prime \prime}$ extension, $9^{-~ f l e x ~ h a n d l e, ~} 6^{\text {a }}$ crossber, universal ioint. 8" reversible ratchet. Packed in heavy gauge red lacquered metal box with handle. Inportor. ShDg. wt.. 5 tbs. 13 T 5565 $\qquad$ et 13.25


## - CHROME PLATED

 $9^{25}$
## 21 FIECE $1 / 4^{\prime \prime}$ AND $3 / 8^{\prime \prime}$

Contains: $1 / 4^{-}$drive. 6 Pt. socket sizes: 3/16", 7/32", 1/4", $9 / 32^{\prime \prime}, 5 / 16^{\prime \prime}, 11 / 32^{\prime \prime}$ $3 / 8^{\circ}, 7 / 16^{\circ}, 1 / 2^{\prime \prime}, 11 / 16^{n^{\prime}}, 3 / 4^{\prime \prime}, 1^{\prime \prime}$, Plus: $3 / 8^{-}$drive. " 8 = reversible ratchet, spimer handie, $3^{--}$extension, $6^{-}$extension, $3 / 8^{-}$ Drive: 12 Pt . socket sizes: $9 / 16^{\prime \prime}, 5 / 8^{\prime \prime}$, 13/16" spark plug socket (with neoprene insert,) adaptor; $3 / \mathbf{8}^{-1}$ to $1 / 4^{*}$ drive. In metal box. Imported.
13 T 5558 shpg. wt., 4 lbs.

## PROFESSIONAL TORQUE WRENCHES

As Low As


Chrome plated $1 / 2^{\prime \prime}$ drive square with accurate pointer irdicating torque applied in either direction in fl/lbs. Scale exceeds federal specifications. GGG-W-00686A. Type 1, Class 1, Style A. Overall length $19 \% \%^{\prime \prime}$. Scale graduated in $5 \mathrm{ft} / \mathrm{lb}$. steps. Complete with booklet, tips on torque. $0-100 \mathrm{ft} / \mathrm{ID}$. Poputar model for auto work. For normal auto maintenance.
13 T 0141 Shpg. wt., $11 / 2$ los. .............................................. 8.95 $0-150 \mathrm{ft} / \mathrm{ib}$. unit for larger displacement engines, trucks, etc. 13 T0142 Shpg. wt., $21 / 2$ los. ................................................ 10.95

## 3 DRAWER TOOL CHEST <br> $$
\text { Only } 95
$$

An all purpose ruggedly constructed 3 drawer carrying type chest. Drawers have full suspension slides. Drawers may be locked in place even if cover is closed. Features electrically welded heavy gauge steel and baked enamel silicone treated finish. Dimensions: 80x $81 / 2^{\prime 2} \mathrm{Dx} 1014^{\prime \prime} \mathrm{H} \times 20^{\circ}$ long; 3 drawers - 71/2"Dx11/2"Hx181/4"L. Shpg. wt., 18 Jbs. 13 T 1950w


Heavy gauge steel chest with 10 felt lined drawers for stor. age and protection of tools. Rugged congal full length hinges, and full suspension drawer slides for full extension of each drawer. Removable front panel locks when cover is closed and stores below drawers in fifted compartment when open. Overall size: $81 / 2^{\prime \prime} \times 1742^{\prime \prime} \times 20^{\prime \prime}$. Tit in top $81 / 2^{\prime \prime} \times 4^{\prime \prime} \times 20^{\prime \prime}$ 6 drawers $71^{\prime \prime} \times 1^{\prime \prime} \times 85 \%^{\prime \prime}$. Others $71 / 2^{\prime \prime} \times 2^{\prime \prime} \times 8^{3} /^{\prime \prime}$. $71 / 2^{\prime \prime} \times 11 / 2^{\prime \prime} \times 181 / 4^{\prime \prime}$. $71 / 2^{\prime \prime} \times 27$ " $^{\prime \prime} \times 184 / 4^{\prime \prime} .712^{\prime \prime} \times 3^{\prime \prime} 1814^{\prime \prime}$. Shpg. wf.. 40 lbs.
13 T 1954wx $\$ 5$ Monthly $\qquad$ Net $\mathbf{3 3 . 5 0}$
7 Drawer Machinist Chest. Same as above except has 7 drawers. Overall Size: $81 / 2^{\prime \prime} \times 1314^{\prime \prime} \times 20^{\prime \prime}$. Tilt in lop $81 / 2^{\prime \prime} \times 4^{\prime \prime} \times 20^{\prime \prime}$. 4 drawers
 $183 / 4$ ". Shpg. wt., 30 lbs.
13 T 1952wx

# All Purnose Staplers-Rivetools \& Torches 

 - $100 \%$ Jam Proof

Model 101 dellivers as much driving power as machines twice its size and weight. Highly maneuverable - perfectly balanced - extremely lightweight. All case hardened steel construction. Rust proof, bonderized finish. No oiling required at any time. Uses two staple sizes - $1 / 4^{\prime \prime}$ and " $4_{4}{ }^{\text {" }}$ - with no mechanical changes. Built-in staple extractor. Visible staple load indicator. 1315001 Shpg. wt., $11 / 2 \mathrm{lbs}$. ._ Net 4.69 13 T 5802 Phg. 1000 1/4" staples Net . 45 13 T 5803 PKg. $1000 \%_{1} 0^{-}$staples Net . 45 Shpg. wt. of staples, 6 oz.

## (B) CABLE TACKER

- Fast-action


## - Reaches Into Tight Places

Model 300 Swingline fast-action staple gun for fastening low voltage electric and telephone wire, cable, rods, barbed wire, etc. fires arched crown staples, $1 / 4^{*} \times 3 / 8^{-}$. Narrow width permits reaching into tight places. Shpg. wt., 3 lbs.
13 I 5809 Cable Tacker $\qquad$ Net 11.50

## Extra staples for above, 1000 per phg.

Shpg. wt., 802
13 T 5610
MULTI-PURPOSE GUN TACKER KIT


- Includes: Gun, Case-Wiring.
- Screening, And Wlndow Shade

Attachments-Staple Lifter
Professional stapie gun with a powerful action that drives 6 heavy duty staple sizes $1 / 4^{\prime \prime}, 5 / 16^{\prime \prime}, 3 / 8^{\prime \prime}, 1 / 2^{\prime \prime}, 9 / 16^{\prime \prime}$ and Ceiftile especially designed for celifing tile. Kit contains: staple gun; multi-staple pak of $20001 / 4^{\prime \prime}$, and 1000 éa. $3 / 8^{\circ}, 1 / 2^{\prime \prime}$ and Ceiltile staples, and attachments. 13 T 5750 Shpg. wt., $51 / 2 \mathrm{lbs}$. $\qquad$ Net 14.95 Model T-50 staple Gun Only
1315751 Shpg. wt., $21 / 2$ lbs. $\qquad$ Net 10.55
STAPLES FOR THE MODEL T-50 GUN 2uantity 5000 , avg. shpg. wi., 1 lb.

| Slock No. | Size | Net |
| :--- | :---: | :---: |
| 13 T 5752 | $3 / 8^{\prime \prime}$ | 2.29 |
| 13 T 5753 | $1 / 2^{\prime \prime}$ | 2.69 |
| 13 T 5754 | 9/16" (Ceiltile | 3.15 |
| 13 Y $5755 \%$ | Multi-Paks | 2.50 |

*Assortment. 2000 1/4* 1000 ea. $3 / 8^{\prime \prime}, 1 / 2^{\prime \prime}$ \& Celitile .

(A) POP RIVETOOL KIT

A professional tool which joins virtually anything, metal to metal, plastic to wood, tabric to fabric. Easy to operate, just insert rivet Into tool, place in pre-drilled hole and squeeze-you have a strong rivet joint. "Pop" rivets are strong, neat and permanent. Ideal for hobbyists, electronics, household and auto repairs. Kit includes riveter. and supply of rivets of various sizes. Uses $1 / /^{n}$ rivets. Shpg. wt., 2 lbs.
(B) DUAL RIVETOOL KIT

Contains the new "Pop" rivetool with two interchangeable nosepleces to set $1 / \mathrm{s}^{\prime \prime}$, steel and aluminum and Ko" aluminum "PPop" rivets. Includes th" and K." rivets in as. sorted lengths, backup plates, plus new threaded "Pop" rivets. Shpg. wt., $31 / 2$ lbs. 13 T 5408 ....................................Net 4.49

RIVETS FOR ABOVE KITS
Yn Rivets Steel Av. ShDg. Wit. 3 oz .

| Stock No. | aty. | Wort <br> Thickness | Net |
| :---: | :---: | :---: | :---: |
| 13 T 5402 | 25 | $1 / 0^{\prime \prime}$ | .44 |
| 13 Y 5403 | 20 | $1 /{ }^{\prime \prime}$ | .44 |
| $13 T 5404$ | 15 | $1 / 2^{\prime \prime}$ | .44 |

Kact Rivets Aluminum

| Stoch No. | aty. | Work Thickness | N*t |
| :---: | :---: | :---: | :---: |
| 13Y 5409 | 15 | $1 / 4{ }^{\prime \prime}$ | .4 |
| 13 T 5410 | 12 | $1 / 2{ }^{\prime \prime}$ | .44 |
| 13 「5411 | 10 | \%" | . 44 |


| Stock No. | aty. | $\begin{aligned} & \text { Rivel } \\ & \text { Size } \end{aligned}$ | Net |
| :---: | :---: | :---: | :---: |
| 13 T 5405 | 40 | 1/6" | . 44 |
| 13 T 5412 | 30 | K** | . 44 |



Model 1P-4 Instant, economical portable lantern designed with the camper or outdoorsman in mind. Provides adjustable light from a low glow to an intensive brite level equivalent to a 125 watt electric bulb. Exclusive air adjustment control assures perfect operation-up to fifteen hours of light on one tank of propane fuel! Safe... no pumping, priming, and no dangerous liquid fuels. Beautiful enamel shade oispenses light in a complete 360 degree circle through a crystal clear slobe. 18 inches high. Complete with Tank. Shpg. wt., 6 lbs.
13 T 2653
Net 9.95
Extra Propane Fuel Tank
13 r 2651 Shpg. wt., $21 / 2$ lbs. $\qquad$ Net 1.19
(A) LP. 99 DELUXE MULTI-TORCH KIT - Includes Heavy Duty Bumer. TIp And Sturdy Steel Chest
Everfthing the home handyman needs to sweat fittings, solder and bend metal. All brass torch with improved pencil point burner assembly, heavy duty burner tip for larger flame, chisel point solder tip, brass flame spread, spark lighter and tank of fuel. Durable steel chest. UL listed. $6 \times 101 / 4 \times 3^{\prime \prime}$. Wt. $41 / 2$ lbs.
13 T 2650 $\qquad$ Net 7.25
(b) LP-555 OELUXE PROPANE TORCH New "controlled flame", hot, dependable. All brass. Positive shut-off. Exclusive tension spring adjustable knob. UL listed.
13 T 2652 Shpg. wi., $21 / 2$ lbs. Net 4.95 Super capacity fuel tank. Fits all standard propane torches. stoves, lanterns, etc. 1312651 Sinpg. wt., $21 / 2$ Ibs. Net 1.19

## 조N-M. Akro-Mils Parts Cabinets



Complete labeling kit included with each cabinet . . . all models set-up with weldel steel frame, ready to use ALL "MODULAR," CABINETS CAN BE STACKED-ADDED TO-CHANGED-ARRANGED-REARRANGED

## (A) MODEL 17-136, 36 compact drawers:


Cabinet size: $177 / 8 \mathrm{Wx} 6 \mathrm{Dx} 111 / \mathrm{mH}$. Cabinet, "See-Thru" drawers, dividers, and index labeis. Shpg. wt., 13 lbs.

## 13 y 7610w

MODEL 18-136. Above with unbreakable opaque drawers. 13 17601w
(B) MODEL 17-024, 24 deep compact drawers.

Drawer size: $2 \mathrm{H} \times 21 / 4 \mathrm{Wx} \times 5 / 4$ "L
Cabinet size: $17 \% / 6 \times 60 \times 101 /{ }^{\circ} \mathrm{H}$. Cabinet, "See-Thru" drawers, dividers, and index labels. Shpg. wt., 11 lbs.
13 प7511w
Net 13.49
Model 18-024, Above with unbreakable opaque drawers.
13 1 7602 W
Net 13.49

## (C) MODEL 17-320, 20 long drawers.

Drawer size: $2 \mathrm{H}^{\mathrm{C}} \mathbf{3 W} \times 11^{\prime \prime}$.
 dividers, and index labels. Shpg. wt., 18 los.
13 Y 7603 w $\qquad$ Net 19.99
MODEL 18-320. Above, but with unbreakable opaque drawers. Net 19.99
13 「7604W $\qquad$
(D) MODEL 17-416, 16 long wide drawers.

Drawer size: $2 \mathrm{H} \times 4 \mathrm{~W} \times 11^{11}$.
Cabinet size: $17 \%$ WxiliDx10y/4"F. Cabinet, "See-Thru" drawers. dividers and index labels. Shpp. Wt., 17 lbs.
13 $17612 W$ $\qquad$ Net 19.99
MODEL 18-416. Above but with unbreakable opaque drawers. 13 Y7605W

## MODEL 17-715, 15 long deep drawers.

Drawer size: $31 / 2 \mathrm{H} \times 3 \mathrm{3} / \mathrm{wW} \times 11^{\prime \prime} \mathrm{L}$.
Cabinet size: $177 / 3$ Wx110x101/2"H. Cabinet, "See-Thru" drawers, dividers, and index labels. Shpg, wt., 17 lbs .
1317606 W Not illustrated
Net 19.99 MODEL 18.715. Above but with unbreakable opaque drawers. 13 17607w Not illustrated

Net 19.99

## MODEL 17-909, 9 long deep wide drawers.

Drawer size: $31 / 2 \mathrm{H} \times 5 \mathrm{~V} / 4 \mathrm{~W} \times 11^{\prime \prime} \mathrm{L}$
Cabinet size: $177 / 3 \mathrm{~W} \times 110 \times 101 / 2^{\prime}$ "H. Cabinet, "See-Thru" drawers, dividers, and index labels. Shpg. wt., 16 lbs .
13 Y 7608W Not illustrated $\qquad$
MODEL 18-909. Above but with unbreakable opaque drawers.
13 T7609w Not illustrated

STEEL UTILITY


Drawer Size $53 / 4$ " $\times 21 / 4 " \times 11 / 4$ "

Handy, extra strong, one-piece high-impact styrene plastic small parts cabinet.

| Stock No. | Model Drawers Shg\% Wt. |  |  | Net |
| :--- | :--- | :--- | :--- | :--- | :--- |
| $13 T 7813 W$ | 10.171 | 21 | $41 / 2 \mathrm{lbs}$ | 4.49 |
| $13 T 7614 \mathrm{~W}$ | $10-165$ | 15 | $31 / \mathrm{lbs}$ | 3.34 |
| 1377615 | $10-159$ | 9 | $21 / 2 \mathrm{lbs}$ | 2.19 |

## 

Only 6 Drawer

Model $11-781$ A very handy parts cabinet. perfect for home and in dustrial applications. Holds anything from hardware to small tools.
"Roll out" compartment for easy access to the smallest item. Drawer size $5 \% \times 11 / 4 x$ $83 \%^{\prime \prime}$. In steel frame. Overall size 9 " $\times 10^{\prime \prime} x$ $6^{-}$. Wt, $51 / 4$ lbs. 13 T 7620

ADJUSTABLE PLASTIC BOXES
"See thru" plastic. Full width compartments are adjustable - 9 dividers are supplied with each box. Curved "rolf-out" type compartments allow fingertips to roll small items out with ease, Boxes can be stacked size. $11 / 4 \times 81 / 4 \times 53 /{ }^{\prime \prime}$. Avallable in two types. Shpg. wt. $1 / 2$ ib $13 \$ 76226$ compartments
13776233 compartments
Net. 75
Depend on Lafayette For Complete Stocks, Louest Prices, Fastest Service

Steel frame cabinets are $9^{\prime \prime} \mathrm{Hx} 6^{\circ} \mathrm{D}$, Crystal clear drawers, $53 / 4$ " $\times 27 / 4$ " $\times 11 / 4$ ".

|  |  | No. <br> of <br> Stock No. | Cab- <br> inet <br> Model | Dwrs. | Wt. |
| :--- | :---: | :---: | :---: | :---: | :---: | | Net |
| :---: |
| ea. |

PORTABLE LOCKING


13 Drawer
Model 11-463. Chip-proof welded steel frame provides safe storage and transport for many Items. Locking steel door prevents theft and spllled items. Keyhole slots for hanging. D-awer size: $12 @ 11 / 4^{*} \times 21 / 4^{\prime \prime} \times$ $534^{2}, 1$ junbo drawer $21 / 2^{\prime 2} \times 834^{\prime \prime}$. Overall size: $10^{\prime \prime} \times 9^{-1} \times 6^{\prime \prime}$. With carrying handle.
13 T 7621 Shpg. wt., $53 / 4$ los. .... Net 5.60

STEEL UTILITY CABINETS

As Low As


Steel frame cabinets are $9^{\prime \prime} \mathrm{H} \times 6^{\prime \prime} \mathrm{D}$. Crystal clear drawers, $53 / 4 \times 2$ " $\times 23 / 4$ "

| Stock Mo. | model | $\begin{gathered} \text { No. } \\ \text { of } \\ \text { Dwrs. } \end{gathered}$ | $\begin{gathered} \text { Cab- } \\ \text { inet } \\ w \\ \hline \end{gathered}$ | Wt. | Net <br> ea. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1317618 | 11.262 | 12 | $10^{\prime \prime}$ | 41/2 | 4.30 |
| 13 T7619 | 11.266 ${ }^{\circ}$ | 16 | 13" | $61 / 2$ | 5.63 |

## 30 DRAWER PARTS CABINET



- FOR:

Home-
OfficeShop


Clear plastic drawers $27 / 6 \times 11 / 4 \times 53 / 4$ "D., each with two removable dividers; safety stops to prevent accidental spilling. Cabinet tilts when carried; back punched for hanging. Bottom and top mate for solid stacking. Metal sides and back with contrasting high impact plastic top and bottom. Comes with labels, dividers and handle. $17 \mathrm{Hx} 97 / 4 \mathrm{Wx} 61 / 4 \mathrm{DD}$
13 T 5450 w Shpg. wt., $81 / 2$ los. ..... Net 5.49


4-TRAY CANTILEVER TOOL BOX
 eps Small Tools and Parts Separated

## AS LOW AS $Q^{95}$

2 plain and 2 partitioned cantllever trays. Roomy storage compartment below trays. Full length hinges and one-plece hardware for durability. Etectrically welded heavy-gauge steel. Baked enamel, silicone treated finish. Padiock eye for locking. Size: $17 \times 10 \times 81 / 2^{\prime \prime}$.
13 T 1955W Shpg. wt., 12 ibs.
Net 9.25 Similar to above but $21 \mathrm{La} 10 \mathrm{H} \times 81 / 2^{\circ} \mathrm{D}$. 13 T 1956 W Shpg. wt., 14 lbs.

Net 11.95

## HIP-ROOF TOOL BOX With Lift-Out Tray

long lasting, electrically welded heavy gauge steel construction with full-length hinge. Perfect for the home. owner, mechanic or handy. man. Plated handle will not break or pull out. Lift.out tray for smaller tools. Large storage area for bigger tools, $19 L \times 7 W \times 71 / 40 \mathrm{D}$. Shpg. Wt., 6 bs.

## 13 T4250w <br> Net 3.95

## STEEL TOOLAND UTIUTY BOX

$144 / 2=$ long tool box. Cantilever tray with four compartments. Room enough for soldering lron, pliers, screw drivers, wrewches, etc. Pushbutton catch with hasp for lock. Folding, recessed hendle. Baked enamel finish in glossy green. $144 / 2^{\circ}$ long. $61 / 4^{\circ}$ wide, $442^{\circ}$ deep. Shpg. wt., 3 its. 14 T asos

Net T.es

## ECCOBOND 26

- Sticks Anything to Anything Handiest bonding agent ever for the tob bench or production Ilne. Repairs tools. hardware, furniture, boats. Features permanent adhesion to metals, plastics, paper, ceramics, atc. Cures in four hours at room temperature-in minutes at 150 F . Can be sunded or worked-takes paint readily. White color. Mixes easily. Shpg. wt., 8025.
14 5105
Net 1.05


## ALL PURPOSE VACUUM CLEANER $26^{95}$ 29 95 10 GAL-I HP

- Excellent for the Home, Garage, Patio, School or Workshop
- 6 Ft. 21/2" Diameter Hose

Can be used for rough cleaning nearly anywhere! Excellent for picking up pebbles, wood chips, sawdust and other debris. Also ottaches to woodworking machines for chip \& sawdust removal. Reversible air flow-use it as a blower too! Perfect for winter oll burner cleaning. Complete with $6 t \mathrm{ft} ., 2 \mathrm{~V}_{2}^{\prime \prime}$ diameter hose \& nozzie. UL Listed. Shpg. wt., 17 lbs.
5 Gallon Capacity develops $3 / 4$ HP.
13 广 3552 W
Net 26.95
10 Gallon Capacity develops 1 HP. $60 \%$ more power than 5 gallon unit. Shpg. wt., 25 tbs.
13 T 3554Wx
Net 29.95

## accessories

13 T 3553 for 5 gal, unit. Shpg. wt., 1 lb .
Net 3.95
13 T 3555 for 10 gal . unit. Shipg. wt., 1 it .
Net 3.95
13 T 3551 w 45" Extension Handie. Shpg. wt., $31 / 2$ Ibs.... Net 3.95
ACCESSORY KIT: Includes $11^{\text {* }}$ fioor nozzle with brush, $30^{\circ}$ exten. sion handle, and adapter which permils use with ordinary vacuum hose and accessories. Shpg. wt., $51 / 2 \mathrm{lbs}$.
13 T 3550w
Net 8.25
Paper Filter Bags (5) for extra dirty jobs . . . slips over permanent cloth bag. Shpg. wt., $1 / 2 \mathrm{lb}$.
13 T 3556 Pk. of 6
Net . 0 .
Replacement cleth bag
13 T 3557
Net 1.39


## SHOP-VACUUM CLEANER

## $18^{95}$

Keeps your home work-shop, basement or garage ciean with ease. Positive suction action picks-up dust, dirt particles, sawdust and woodshavings. Specially designed pick-up head reaches into corners. 12 gallon vacuum has fibre board tank 18" high, $161 / 4^{\prime \prime}$ dia. Complete with 3 roll-about casters. $60^{\prime \prime}$ flexible hose, $12^{\prime \prime}$ chromed steel extension wand plus 9 -ft. power cord, 2.7 amp motor operates off of 110.120 V ., $50 / 60$ cycles AC. operates
Shpg. wt., 16 lbs.
13 I 365iwx
Net 18.25
ACCESSORY KIT includes extension wand, crevice tool, dusting brush and upholsterycarpet nozzle.
13 T 3652 Shpg. wt., 1 tb. ............ Net 3.95
THERMOGRIP HOT-MELT GLUE GUN


> 60 Second Bonding Neat Easy Clean

Electric stue un hot-melts sticks of solid glue which are inserted in rear of gun. Glue is fed from cun by pressing thumb on glue stich es tool is moved along surface. Pleces are then just pressed together. Takes onty 60 seconds for a permanent, waterproof bond. Perfect for bonding wood, pottery, leather, metal, fabric and many other materials. Bond is slightly fiexible allowing some "give." Ideal for caulking boats, instaling tile, repairing furniture. 115v, AC-DC. Shpg. wt., 1 lb .

## 13 T'S413

Net 5.95
13 Y 5414 Phg. of 7 glue sticks
Net ea. . 48
1315415 Pkg. of 7 seater sticks
Net ea. . 49

## TWIN-WELD EPOXY ADHESIVE

 - Attach Anything to Anything-

Engineered for permanent adhesive use for h.etal, wood, glass, ceramics, concrete, hard rubber, fiberglass, brick and many other materials. Quick, easy repairs. Can be molded to any shape. Use as a costing or filler-as asket- caulting-as a dielectric. No solvents. Non-toxic, non. allergenic. Shpe. wt., 1 lb.
1417301

# Sprayers for Handyman-Professional-Hobbyist SPRAYIT 720 PROFESSIONAL TYPE SPRAY UNIT <br> SPFAYIT 600 <br> HEAVY DUTY HANDYMAN SPRAYER 



## - Heavy Duty $1 / 3$ H.P. Integrally Designed Motor

- For Home, Commercial, Farm and Professional Use

Here's a real workhorse! Completely Integrated, high capacity spray outfit is ideal for all your painting needs-big or small-at nome, on the farm, of in the shop. Has its own $1 / 3$ H.P. Integrally designed motor, and bulit-in oilless diaphragm compressor that delivers a big 2.5 CFF at 35 P.S.I. Compressor bearings are permanently lubricated for long trouble free service. The lightweight ajuminum spray gun with aluminum quart cup has a fully adjustable spray fattem for added flexibility. Safe and easy to use-has a safety valve at 40 P.S.I. for built-in protection. With $8^{\circ}$ electrical cord, $15^{\circ}$ pubber air hose, for 120 V .60 cycle AC. Shpe. wt., 29 lbs. 14 Y s 40:wx $\$ 5$ Monthly

Net 64.95 See Listing Below For Additional Accessories.

## SPAFYIT

## PRESSURE FLOW

 PAINT ROLLER KIT- No Dip-No Drip- Feed

Paint Directly From Can to Roller
Saves time and steps. Bolts to any standard 1 gallon can. Has 15 At . supply hose for easy reach. Use with Sprayit compressor above and models $254,400,600,720,818$ or any compressor with range from .65 cfm at 20 psi to 3 cfm at 40 psi. Wto, $61 / 2 \mathrm{lbs}$. Roliter wt. $1 / 2 \mathrm{lb}$.



#### Abstract

1418409

Net 10.95


$3 / 4^{\prime \prime}$ Hi.Pile Roller for rough surfaces.
1418410 ............................................... 2.75 $\mathbf{~}^{\prime \prime}$ " Pile Roller for smooth surfaces.

Net 2.79
N. 3.29

## $18^{95}$

## HOBBY \& TOUCH-UP AIR BRUSH

Complete with: Air Brush, 5 ft . Vinyl Hose, Air Valve, Mixing Jar, Instruction Folder and Plastic Case


Ideal for making patterns, designs; especialiy where a soft edge is needed for blending such as on chipped furniture and refrigerators, or touching -up rust spots on cars, Colors can be used rixed or straight. Adjustable for fine or heavy spray. Air-brush and valve assembly made of high impact delrin with metal control and paint tip. All materials resist solvents and paint chemicals, Complete with Aerosol Power Pack, Mixing Jar and Case.
13 T 4551 Shpg. wt., $12 / 2 \mathrm{lbs}$.
Replacement Aerosol Power Pack. Shpg. wt., 1 ib.
13 Y 4552

## AERO/MATCH SPRAY BRUSH <br> Spray with your own paint, you can match anything - even mult-colors. The 15 oz , power unit outlasts about three aerosol paint cans, Non-toxic, noninflammable, pressurized gas. Easy-to-use, easy-toclean, Not affected by paint solvents, Can spray any liquid patnt, etc. Shog. wt., $11 / 2$ lbs, <br> 1415010 <br> Net 2.49 14 T 5011 Replacement Power Unit




## - Integral Compressor-Motor

- Sprays Dils, Paints, Stains, Insecticides, Liquid Wax All-purpose spray unit that gives professional results from the start. Provides uniform adjustable pattern from "dime" size to a fan $10^{\circ}$ " wide. Precision made with sealed ball bearings, never needs oilling. Easy-to-use 2 -finger trigger gun. Air delivery: $\mathbf{1 . 5 - 2}$ CFM at $15-20$ los. Complete with 6 ft . cord and plug, $8 . \mathrm{ft}$. air hose, spray gun. Comes with Internal-mix fan spray nozzle - 1 pint capacity aluminum cup. For 115 y 60 cycles AC. Shpg. wt., 11 lbs. 14 $72414 \$ 5$ Monthly
See Listing Below For Additional Accessories


## SPRFY/T MARK X ALL-PURPOSE SPRAY OUTFI



- Spray Gun with 1-Pint Cup
- Pushbutton Applicator To Spray Oils Insecticides - Liquid Wax - Etc.
All purpose family spray set, designed to give you good results with all sprayable materials. Does a thousand househoid jobs such as: quality paint spraying; moth-proofing; insect and garden spraying; applying wax, starch, carpet and upholstery detergents; waterproofing garments; use as an air Inflator. Complete set includes a rugged cast aluminum spray gun with a pint-size cup and adjustable spray pattern; pushbutton applicator with 12 oz . container; two 8 ft . hoses; alr inflator accessory; oll-less diaphragm-type compressor with long-life GE motor. Exceptionally easy to clean, Shpg. wta, 6 lbs. 14 T 8413

Net 17.35

## SPRAYIT ACCESSORIES

mULTI-COLOR XITS: For best results in spraying multi-color paints.
14 Y 8402 Shpg. wt., 8 oz.
Net 2.20
AIn Tools kit: For inflation and dusting. Includes chuck for all tires-footballs, basketballs, toys, air mattresses "dusting" aftachment.
14 T 8403 Shpg. wt., 402.
Net 2.10
QUART SPUN ALUMINUM CUP: Fits all of above spray guns.
14 T 8412 Shpg. wt., 8 or. Net 2.45

## ELECTRIC SPRAYER

## - 5 Position Nozzle

 Adjustment- Sprays Undiluted Solutions of S.A.E. 10 Weight Or Less

All purpose electric spray-all for use in garden, home, office or shop. Use it to paint boats, cars, fences, furniture, cabinets and household appliances. Use it around the lawn and garden. Spray insec-


## SPRAY-ALL

 ticides in the home for mothproofing only 849 clothing. Spray-all comes in red polypropytene housing with unbreakable graduated 28 oz. jar plus genuine sapphire jeweled nozzle and 5 posifion control switch for adjustment to any job. 12 T 4350 Shpg. wt., $21 / 4 \mathrm{lbs}$.
# Work Benches - Shelves - Cabinets 



- Playroom
- Basement using only a hacksaw and wrench. Made of strong cold-rolled gray-enrigidity steel. Corner plates provide added structural strength and rigidity-eliminate need for crosstracing. Angles are conveniently marked-off for measuring. 40 ft . outfit consists of $85-\mathrm{ft}$. lengths of $1^{\prime \prime} \times 1^{\prime \prime} \times .040^{\prime \prime}$ angle steel, 12 corner plates and 50 nuts and bolts. 12 770swx Snpg. wt., 11 lbs.

Net 8.95
HEAVY OUTY ANGLE STEEL 39 ft . outfit consists of six $61 / 2 \mathrm{ft}$. Iengths of $114 \times 11 / 4 \times .064^{\prime \prime}$ plus 50 nuts and bolts, 12 comer plates. Shipg. wt., 18 lbs.
12 T 707 wx
Plastic feet accessories for $1^{*} \times 1$ - units, plg. of 4. Shpg Net 10.95
 Plastic feet for $11 / 4 \times 11 / 4^{\prime \prime}$ units, pkg. of 4. Shpg. wt., 6 oz . 12 77709
Extra nuts and bolts, pkg. of 25 Net .75

STEEL STORAGE UNITS

- Braced on Back \& Sides As Low As $5^{95}$
For stores, offices, garages, basements, pantries, closets-just what you need to solve
 your storage problems, you'll find dozens of uses for these rugged racks. Available in two sizes to fit virtually anywhere- $30 \mathrm{~W} x$ $120 \times 60^{\prime \prime} \mathrm{H}$ with 4 shelves, or $36 \mathrm{~W} \times 120 \times$ $72^{\prime \prime} \mathrm{H}$ with 5 shelves. Comer post and all edges are rounded and snag-proof with back ano side oraces providing added strength and rigidity. Charcoal tone finish. Shipped unassembled with protective floor guards and all necessary hardware for fast ersy assembly. Size: $12 \times 30 \times 60^{\prime \prime}$. Wt., 20 tbs. 13 F 2307 w 4 Shelf Unit $\quad$ Net 5.95 Size $12 \times 36 \times 72^{\circ}$ Shpg. wt., 28 lbs.
13 $2300 w x 5$ Shelf Unit $-\ldots . .28$ Net 8.49 Extra Shelves for above
13 2309w
$12^{\prime \prime} \times 30^{\circ}$ shpg. wt., 2 lbs. 13 T 2310 w
$12^{\prime \prime} \times 36^{\prime \prime}$ shpg. wt., $21 / 4$ los.

Net ea. 1.59

Herohlene deluxe steel shelves

- Combines Strength and Beauty

- Unlimited Arrangements For All


## Storage Needs

6 shelf units ideal for offices, garages, stores-anyplace where both strength and beauty dictate your storage needs. Completely new design eliminates unsightly bolt holes and gives a clean modern appearance. New principle of post and shelf attachment provides extra rigidity and does away with unattractive crisscross bracing, Units have split posts to permit assembly at full or half helght in unlimited arrangements to meet every storage and space requirement. Baked enamel yellow shelves. Walnut wood grain posts. $72^{\prime \prime} \mathrm{H} \times 36^{*}$ W.
13 I853wx $12^{\text {² }}$ Deep, wt. 38 los. Net 10.50 13 I $1854 \mathrm{wx} 18^{-1}$ deep, wt. 27 lbs. Net 12.50

Overall $72^{-}$Wide $\times 72^{\circ}$ High supplied with 12 shelves $36^{\text {" }}$ Long $x$ 12 Deep. Shpg. wt., 50 lbs.
13 T 1855 wx
Net 17.95


## STEEL FRAME WORK BENCH

Includes Tool Rack, Peg Board Back Panel and Bottom Shelf

A new all-steel frame work bench that is the ultimate in convenience and serviceabillty. The rigid. all steel frame is the core of this complete workshop that will last for vears. Features a ble $24 \times 48^{\prime \prime}$ work top of special. heavy-duty, compressed. Migh. impact hoard to withstand the roughest use. Matching bottom shelf offers handy storage space. Convenient tool rack with per board back panel. Base on each leg gives extra support and can be bolted down if desired. Easy-to-as semble. $341 / 2^{\prime \prime}$ high. (Tools not included). Shpg. wt., 60 lbs.
13 T 3504 WX

## Net 17.95

## ALL-PURPOSE BENCH FRAME



It's easy to make a bench for every purpose -in the garage, store, house. lauadry room, playroom, etc. Heavy gauge steel, com. pletely pre-drilled, ready-to-assemble-iust add the top. For larger benches. combine 2 or more. Overall: $22 \frac{1}{2} \times 471 / 2 \times 34^{\prime \prime}$ high. Shpe. wt. 19 lbs.
13 † 3501 w Net 5.50 T00L RACK. Prepunched to fit frame. $46^{\circ} \mathrm{L}$ 41/2"H. 13 T 3502 W Shpg. wt., 2 lbs. $\qquad$ Net 1.99 CASTERS For easy moving. Sets of 4 .
13 T 3503 Shpg. wt., 1 lb. $\qquad$ Net 1.49
"ADD-A-DRAWER"


In only seconds you get a permanent drawer under any flat surface-table, bench, cabinet. shelf, desk, etc. Completely as-sembled-comes with 2 brackets and 4 screws for easy installation. All-steel drawer with handy knob, Gray-can be repainted any color of your choice. Drawer size: $12 \times 12 \times 33 / 2^{*}$. Shpg. wt., 4 lbs.
13 T 3602 $\qquad$ Net 325


Storage cabinet for home, shop, office, or garage. Large $13 \times 30^{\text {" }}$ pegboard back stores hand tools, smali power tools, etc., 10 clear plastic drawers for small parts storage; drawers ( $27 / 8 \mathrm{~W} \times 2 \mathrm{H} \times 6^{\prime \prime} \mathrm{L}$ ) can be divided and labeled. 10 dividers and labels are included. Size: $30 \mathrm{~W} \times 16 \pm / 2 \mathrm{H} \times 61 / 2^{\circ} \mathrm{D}$. Shpg. wt., $10 \mathrm{lbs} \mathrm{w}^{2}$ 13 4950w (Tools not included)


## TOOL-MATE

## - 4 Dust-Free Drawers

The perfect portable tool or. ganizer for the handyman or hobbyist... a workshop at your fingertips! Tool-mate keeps hand tools and small parts handy and organized. 39 different tool slots; jumbo storage wells for large tools; and dust-free draw. ers for small parts. Everything is stored in an up-right, easy-touse, easy-to-find position. Minutes to assemble. . no tools needed. Size: $1142 \mathrm{H} \times 14 \mathrm{~L} \times$ 7"W. Snpg. wt., 2 lbs. 13 T 7624 W

Net 3.49

## 1000 WATT PORTABLE GENERATOR WITH PERMANENT MAGNET ALTERNATOR

- Produces 115 Volts $A C$
- 3 H.P. Lauson Engine
- 1000 Watt Continuous Duty Rating
as low as


# $169^{95}$ 

No Money Down

A compact, portable electric power plant for on-the-spot electricity anytime, anywhere Features a permanent magnet alternator that gives you more power and trouble-free operation - no brushes, armature windings, belts, slip rings or commutators. Dependable Lauson 3 H.P., 4 cycle engine gives easy-to-start, long-life service hour after hour. $11 / 2 \mathrm{qt}$. capacity fuel-tank. Siandard equipment includes: visual fuel gaure, visual oil level indicator, integral receptacle, rubber shock absorbirg feet, recoil starter and carrying handie. Portable - only 63 lbs . Compact $-15 \mathrm{H} \times 131 \mathrm{~m} \times 13^{-D} .115 \mathrm{VAC}, 1000$ watt rating. Shpg. wt. ${ }^{70} \mathrm{lbs}$. 13 T 4901wx $\$ 9$ Monthly
1250 wart Comtinuous ac Unit. Alt the features of the 1000 watt unit, has duplex receptacles, a carrying handle. With Lauson 3 H.P., 4 cylinder engine. $11_{2} \mathrm{qt}$. tank. $18^{\prime \prime} \times 20^{\prime \prime} \times 27^{\prime \prime}$
13 T 4902wx Shpg. wt., 82 lbs. $\$ 10$ Monthly $\qquad$ Net 189.95

## SUBMERSIBLE POW-R-PAK PUMPS

- Corrosion Resistant
- Hermetically Sealed Motor
- For Circulating And Dispensing Water
All-new Pow-R.Pah trouble free pumps for underwater use. Circulates and dispenses water and mild acid solutions for fountains, beverage dispensers, aquariums, photo developing, air cond tioning, etc. Permalubed. Corrosion resistant stainless steel and plastic unit. overload protection, threaded infet and outlet. Outtet: E-200 has $1 / 4^{\prime \prime}$ std. pipe thread $E-400,700$ has $3 / 8^{\prime \prime}$ std. pipe thread. Comes with 6 ft . cord. Far 110 Volts, 60 Hz . AC. Average size: $2 \times 4 \times 4 \times 4$ "

| Stock Mo. | Madel | Gals. per Mr. At |  |  | Max. Ht. | Amps | Shpt. wt. Lles. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 1 Ft . | 3 Ft . | 5 Ft . |  |  |  |  |
| 1318904 | E. 200 | 220 | 155 | 80 | $7{ }^{\circ}$ | 40 | 23/4 | 11.50 |
| 13 T8905 | E. 400 | 400 | 320 | 220 | $11^{\circ}$ | . 91 | $31 / 4$ | 15.95 |
| 13 Y8906 | E. 700 | 700 | 540 | 430 | $13^{\circ}$ | 1.9 | $41 / 4$ | 25.50 |

## WATERFALL

KIT
$144^{95}$


Enhancing waterfall of cascading water constantly recirculated by electric pump. Gallons per hour delivery: 180 @ 1 ft., 141 @ 3 ft .; 100 @ 5 ft . shut off @ 10 ft . Outlet $\mathrm{K}_{\mathrm{a}}{ }^{*}$; inlet $1 / 2^{* \prime}$ pipe 0.D. Load; amps. .65 ; watts 43 . No concrete needed; complete with instructions. Kit consists of pump, 8 ft . plastic hose, 7 ft . sealing foly, pump filter. Stpg. wt., 4 lbs.
13 T8902
Net 14.95

## MINIATURE PUMP AND MOTOR

- Powerful-Raises Liquid up to 12 Feet
- High Capacity- $11 / 2$ Gallons per Minute
- Waterproof, Lightweight Construction
- Industrial Quality
 98


A motorized, miniature pump for the hobbyist and "Do-it-Yourselfer." Pumps liquids from container to container at the rate of up to $1 \frac{1}{2}$ gallons per minute and raises liquids up to 12 feet Ideal for fountains, water house plants, aquariums, science projects, waterfalls, etc. Pumps water, chemicals, viscous liquids. Requires just 3 to 12 volts DC. Shpg. wt., 1 lb . 3 to 12 vo
13 T1903 Net 3.98

## TINY TIGER "HUSH TONE" PORTABLE GENERATOR 99 ${ }^{95}$ No Money Down

- Economical Gas Driven Motor
- 115 A.C. 350 Watts Electric Power 12 V D.C. 12 Amps.
- Only 12 lbs.
- Automatic Overioad Relief-for Tools, Appliances, Boats
- 12 V D.C. for Batterv Charging


Madel 67-Lightweight, rugged metal construction! Features a 1 hp , 2 cycle Onisson \& Rice air cooled englne with a high capacity mag. neto ignition. 6 pint, premixed ( 10 parts gas- -1 part oil) fuel capacIty allows operation at full power ( $6,300 \mathrm{rpm}$ ) for $21 / 2$ hours. Also features built-in quietness with a larger "Hush Tone" spark arrester rouffier. Dual voltage, direct drive Tiny Tiger generator produces up to 350 watts of 115 V . AC, and 12 amps of 12 V ., DC simultaneously for charging auto batteries or starting cars, boats and trucks. Con stant voltage within $110-120$ volts with an automatic overload rellef system. Light enough to carry anywhere ( 12 lbs. )...small enough to carry in one hand $\left(81 / 2 " H \times 81 / 2^{* W} \times 101 / 4 " L\right.$. $)$ Shpa. wt., 13 lbs 12 T $3552 \$ 5$ Monthly
HANDY CARRYING CASE
12 T 3551 Shpr. wt., 4 lbs.

## 1300 GPH

## SUBMERSIBLE PUMP

## - Standard Hose

 Connection Outlet- Operates at Depths up to 40 ft .
- Double Epoxy CoatingWill not Corrode

No Money Down

Heavy-duty sump pump or basement bailer. Has long life carbon ceramic seal, thermo-overload protection, and leaf strainer. Standard garden hose outlet. 3/4" std. pipe thread inlet. Ideal for many underwater applications, such as in pools, fountains, etc. Pumps gallons per hour: 1300 @ 2 ft., $1030 @ 5 \mathrm{ft}$.810 @ 10 ft., 600 @ 15 ft ., 300 @ 25 ft . Shut off @ $40 \mathrm{ft} .4 .5 \mathrm{amps} 10 a 0.4 \neq 4 \mathrm{Hx} \mathrm{Tm}^{\mathrm{D}}$. 110 V 60 cy . AC. With cord.
13 T 8903 Shpg. wt., 9 lbs. $\$ 5$ Monthly $\qquad$ Net 37.50

## WATER FLOW METER

Set it, then forget it. The automatic water meter aoes the rest. shutting-off automatically when sprinkilng is completed. Set dial for the degree of sprinkling needed uo to 750 gallons. Quickly attached to any standard faucet or sprinkier. Noncorroding heavy duty zinc construction gives years of dependable service. Size: $8 \times 7 \times 3^{\prime \prime}$.
12 T 7800 Shpg. wt., 2 lbs.

## "TINY" MINIATURE IMPROVED HOIST

This unique "Tiny" hoist weighs only 1502. , is smail enough to fit in your pocket. yet is so strong that you can lift up to one ton with it. Ideal for anyone who does heavy lifting-in home, factory, farm. etc. Of highgrade aluminimum with steel axles, prelubricated for life. Two lifting slings with heavy steel welded steel rings. With $100-\mathrm{ft}$. Nylon cable. 7.1 ratio, 2,000 lbs. test. Carrying bag; instructions.

## 13 T 1901

Net 6.99

## ELECTRONIC INSECT KILLER

- No Sprays
- No Chemicals No Fumes

Safe, automatic insect control system with amazing ACTINI-LITE T.M. electronic exterminator. EX. terminates flying insects such as beeties, gnats, mosquitoes, moths, bees and flies without insecticides; does not require refills, produce disagreeable odors or harmful fumes. Works continuously ...indoors, or outdoors on porch, patio, around barbecue pit, in garden. Simple and easy to use... just plug in to any 110 VAC outlet within 15 to $30^{\prime}$ of area to be protected and enjoy the ultimate in insect-free living. Engineered to give years of trouble free performance and service. Complete with suspension ring, line cord and plug. Size: $7 \mathrm{H} \times 3 \times 3 / 4^{-1}$ Dia. Imported. Shps. wt., 1 lb .
14T2107
Net 9.95

# Magnets For Lab, Industry And Workshop 

## POWER MAGNET



- Versatile

Made of Alcomaxa material with 12 times the magnetic energy of tungsten steel. Designed for efficient performance/weight ratiowill lift up to 50 times its own weight. Horseshoe shape with plated keeper. Ideal for such applications as magnetic clutch, work holding, etc. Size $11 / 4 \mathrm{Hx} 14 \mathrm{D} \times 17 \mathrm{a}^{\prime} \mathrm{W}$. Distance between poles is $\%{ }^{\prime \prime}$. Imported from England. 14 T 3302 Shpg. wt., $1 / 2$ 1b.

Net 2.75

## BUTTON MAGNETS



A special "Alnico" button carefully designed to produce a highly efficient magnetic fleld. Aftachable to any non-ferrous material by non-magnetic screws. Ideal for use most everywhere as magnetic fasteners. Supplied with plated keeper. Imported from England. Avg. shpg. wt., 3 oz.

| STOCK NO. | HEIGHT | DIA. | MTG. hOLE DIA. | MET EA. |
| :---: | :---: | :---: | :---: | :---: |
| 14 T3309 | 36" | 12" | 1/4" | . 49 |
| 14 T 3310 | $1 / 2$ " | 1/4" |  | . 6 |
| 14 T 3311 | 56" | $1^{\prime \prime}$ |  | . 99 |
| 14 T 3312 | $1^{\prime \prime}$ | 14/4" | 1 | 1.99 |



## MAGNETIC STRIP

- Flexible-VersatilePermanent Magnet
Flexible, extruded plastic strip. impregnated with Barlum Ferrite magnetic powder. Can be cut with a knife, scored and broken by hand, drilled, nailed, screwed or glued in place. Dividing the strip does not damage magnetic properties. Strip measures ko" wide by "Xo" thick. Pull is 3 ozs. per inch leng th with $.000^{\prime \prime} \mathrm{gap}$ (no intervening material) to 1.5 oz. per in. with a $015^{\prime \prime} \mathrm{gap}$. Used for mag. netic closures, holders, locators, conveyors. displays, collectors. buffers, ilfters. wili bend to a $3^{\prime \prime}$ circle, at room temperature, without breaking.
3 ft . length, Shpg. wt., 8 ozs. 14 r 3307 $\qquad$ Net 1.79 12 ft . length, Shpg. wt., $11 / 2 \mathrm{lbs}$. 14 「 3308


## LaBORATORY MAGNET KIT



Specially designed for schools, laborafor schools, labora-
tories, and technicians demonstrating the magnetic propertles of permanent magnets. Fine hardwood case contains a pair of bar magnets $2^{\prime \prime} x y_{2}^{\prime \prime}$ diam., a horseshoe magnet $173^{\prime \prime}$ high $\times 1 K_{0}{ }^{\prime \prime} \times$ " $5 /$ / " $^{\prime \prime}$ deep with $\mathrm{K}_{0}{ }^{\text {" }}$ spacing between poles, and a bridge
 spacing between poles. Imported from Eng. land. Shpg. wt., $14 / 2 \mathrm{lbs}$. 14 T 3301

Net 6.50


Powerful and compact units assembled in mild steel pots and held by aluminum retaining and insulating rings. Steel Pot can easily be machined to suit individual size requirements. Very versatlle. Designed for magnetic holding and lifting applications. Imported from England. Avg. shpg. wt., 8 oz .

| STOCK \%o. | HEICHT | DIA, | $\begin{aligned} & \text { TPPPED } \\ & \text { HOLE } \end{aligned}$ | $\begin{aligned} & \text { NET } \\ & \text { EA. } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
| 1413304 | F6" | 11/6" | 10 N.S. | . 99 |
| 14 T 3305 | 7/4" | 12\%" | 10 N.S. | 1.15 |
| 14 T 3306 | $1{ }^{\prime \prime}$ | 1\%" | 10 N.S. | 1.69 |
| 14 T3313 | 130" | 176" | 10 N.S. | 2.99 |

## WAGNETIC HOLDFAST



- Develops up to 144 lbs. Pull New magnetic holdfast provides an inexpen. sive method of clamping components for assembly. Holdfasts are carefully designed and constructed. Uses a powerful alcomax magnet located in a milled steel body. Units are provided with a convenient jack-off screw. Useful to bulld up welding and fabricating jigs. It may solve many of your holding and positioning problems. Supplied with a plated keeper.

| STOCK NO | HT. | D1a. | LES. MAG SHPG. PULL WT. |  | NET |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 14T3317 | 3' | 114" | 40 | 21/2 | 8.25 |
| 14 T 3318 | 34." | 11/2" | 60 | 3 | 9.95 |
| 14 T 3319 | 37/4" | $2^{\prime \prime}$ | 144 | , | 15.8 |



An Alnico magnet useful for Inspec. tion of hardware to sort steel from brass, as a re. triever of small parts. Highly efficient. Slze 1 HxI $1 / 8 \times 30^{\circ} D$. $1 / 4^{\prime \prime}$ between poles. With plated keeper. Shipg. wt. 3 oz.
i4f 3303 Imported from England_ Net 89

## SHALLOW POT MAGNETS

Strong flat alcomax mag-
nets assembled in mild steel
shells. Especlally for use in
confined spaces where a small-
er back-to-front dimension is
desired. Cored with a counter.
sunk hole for screws or bolts.
Imported from England. Avg.
shpg. wt. 3 oz.

## MAGNETIC CLIP SET



Handy magnetic clips can be attached to any steel surface. Will hold papers, drawings, notes and many other assorted objects. Useful for home, office, or workshop. Instant mounting without drilling holes


Magnagrip for multipurpose use in kitchens, garages and many other places. White enamel or natural hard wood finish with plated magnetized surface. Complete with mounting screws. (Tools not included)

| Steck Me | Lensth | Finish Color | Sher. Wht. | fet |
| :---: | :---: | :---: | :---: | :---: |
| 14 T 5401 | 10" | White | 3/4 lbs | 1.69 |
| 14 T 5402 | 12" | Nat. Howd | 1 lb . | 2.20 |
| 14 T 5403 | $18^{\circ}$ | Nat. Howo | $11 / 2 \mathrm{lbs}$. | 3.39 |
| 14 T5404 | 24" | Nat. Howd | 2 lbs. | 4.49 |

## REMINGTON $10^{\prime \prime}$ TUNGSTEN CARBIDE ROD SAW

"HOPPY" SPLIT-IMAGE TRANSIT


Only
729

- Plate Glass Mirrors

Amazingly accurate instrument that will indicate level and measure a minimum of $1 / 8^{\prime \prime}$ rise or fall at 25'. Makes present day bubble and string type levels obsolete. It not only indicates level but shows exactly how much correction is needed. One man can perform any leveling or incline measuring job quickly, easily, and accurately. Makes any complicated measuring/leveling lob simple. Use it for patio layout, bricklaying, flooring, surveying, terracing, fencing, plumbing, shélving, guttering, drainage, irrigation. Indispensable as a leveling and grading tool for modef rall. way pike. Shpg. wt., 2 lbs.
14 T 1801
14 T 1802 case-Shpg. wt., $11 / 2$ lbs.
Net 7.29
404

159 - Cuts Like A Diamond - Fits Any Hacksaw Frame cinamics Solves 'Impossible' cutting problems fast! Cuts mic materials that an ordinary hacksaw can't cut ceramic tlie, glass, masonry materials, tough plastics, welds, steel alloys... virtually anything hard or tough. Cuts curves and angles in any direction. No teeth to blunt, break, set or sharpen. Fils common hacksaw frame. Shpg. wt., 4 oz .
13 T 3850 Net 1.59
13 T 5604 Heavy Duty Nacksaw Frame Net 1.59


- Match and Outline Any Irregular Shape

For home, shop and industry. Simplifies measurement and copying of irregular shapes. Easy to use, just press the gauge's steel teeth against any irregular surface to exactly match and hold the shape taken. Uses include: measuring pillar contour, fitting floor tile, carpeting, wood mouldings, fitting linoleum. $6^{-1}$ long. 14 T 5205 Shpg. wt., $1 / 2$ ib.

## Poima Piner



## ECONOMY GARAGE

 DOOR OPENER- 1/4 HP Motor-For Doors Up To 16 Ft. Wide
Solid-state garage door opener. No need to get in and out of car in bad weather. Eliminate the physical strain of manual opening and closing. Easily and quickty installed on existing door. Adapts to single or double; sectional or 1 -piece; wood, metal, or fiberglass door. Up to 175 lbs , of pulling force; enough to handle most garage doors. Needs only $11 / 2^{\prime \prime}$ Headroom between door and celling, Garage light is turned on when door is opened; remains on two minutes after door is closed for you to leave garage in safety. wall mounted received with pushbutton for instant stopping, opening or closing door from the inside. Door automaticaliy stops when it hits an object. Streamlined motor housing provides protection against dust and moisture. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. UL listed. Shpg. wt., 55 lbs.
13 T $8212 \mathrm{wx} \$ 6.50$ Monthly ___ Net 119.95 see Listing of Accessories Below


## Liftmaster Garage Door Openers



> No Need To Get Out Of Car Door Opens Automatically

- With Exclusive "Velvet Glide"
- Gear-Head Chain Drive
- Opens-Closes-Securely Locks Garage Door
- Automatically Controls Garage Door and Lights from Inside Your Car
- Fully Trēnsistorized Transmitter and Receiver with Private Pulse-Tone Coding
- Operaters 1-Piece or Sectional Doors


No Money Down
Motor Control

## DELUXE HEAVY DUTY GARAGE DOOR OPENER

## - 1/3 HP Motor-For Doors Up To 22 Ft.

 Deluxe, Perma.Power garage door operating system. Easily handies any residential, track guided garage door; metal, fiberglass or wood doors up to 22 ft . wide and 8 ft . high. Only your pulse-tone signal sender can open the door. Gear-head chain drive motor exerts 200 lbs. of push-pull force. Needs only $142^{\prime \prime}$ of headroom space between high arc of door and ceiling. Fully automatic. Built-in light goes on as soon as door starts to open and stays on for approximately two minutes after door closes. If door hits obstruction, it stops automatically. Safety clutch prevents damage. When started again, it will reverse itself. Sender can be carried in pocket, kept in glove compartment, clipped to sun visor or mounted under dash. Motor operates on $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. UL listed. Shpg. wt., 65 lbs. 13 T B2IIwx $\$ 8$ Monthly Net 149.95 see Listing of Accessories Below.
## RADIO CONTROLS FOR ANY DOOR OPENER

- Transistorized Pulse-Tone Coding Receiver and


## Transmitter

- Up-date or Convert Any Electronically Operazed
$52^{95}$
Garage Door Opener to Operate from Your Car

System consists of two units, a transistorlized radio Pulse-Tone signal sender and re. ceiver. Operates any electrically controlled door opener up to 100 feet away. Pulse-Tone modulation circultry gives you complete
security: only your personal, pocket size Pulse-Tone signal sender can trigger the receiver. Instalis in minutes, Shpg. wt., 7 lbs.

13 Y 8210
Net 52.95

## ACCESSORIES

Extra transmitter for second car. Net 19.50 Switch with 2 heys for outdoor location. 13 F 8204 Shpg. Wt., $1 / 4 \mathrm{lb} . \quad$ Net 4.20

Outside qukk release lock. Used to open door from outside when electricity falls. Shpg, wt., th lb.
13 T 2213

## GIANT SIPHON

- Operates With Hand or Foot Action - 3/4 Gallon Capactiy Handy siphon pump is useful to transfer liquids anywhere in home, shop, garage, boat ete. Acts to fill or drain fish tanks. gas tanks. Made of unbreakable polyethylene with $8^{\circ}$ plastic hose. Bellows is 8 long \& $6^{\prime \prime}$ in diameter. Stores $3 / 4$ gallon of almost any liquid. Shpre wt., 1 lb .


## 13 H 5356 .................Net 1.99

## AUTOMATIC SIPHON

119liquid. Pump-type siphon works without putting tube to mouth. Just squere the bulb to start the flow. Transparent inserts permit view of llquid Howing, Use for any gas engine equipment. Shpg. wt., 8 oz.
13 F 1902 $\qquad$ Net 1.19


## - Dry Spray

Silicone Lubricant
Specially formulated for gar age door openers and other moving hardware. Will not collect dust or grease. Won't get sticky or gummy from age or temperature changes. 16 oz. spray can. Shpg. wt. $11 / 2 \mathrm{lbs}$. $\qquad$

## 10 FT. NYLON TOW CABLE <br> 

The perfect cable for towing ANYTHING UP TO 5,000 LBS. Constructed of heavy-duty, $1^{\prime \prime}$ wide, DuPont Nylon webbing that stretches $25 \%$ to take up shocks for smooth, safe towing. Oil, grease and water resistant too! Dual. self-aliming clip attaches to anv bumper. Shpg, wt., 3 lbs. 11 T 2402

Net 3.75



## PLASTIC

 "JERRY CAN"- Will Not Rust, Corrode, Break or Shatter - Reversible, Self-storage Spout
Light weight, unbreakable. Improved spout for easy pouring. Has an air vent for free pouring. Bullt-in carrying handle. One gallon size. Shpg. wt., $11 / 2$ tbs.
11 Y 3801
Net .99
Three gallon size. Shpg. wt., 2 ibs. 11 T 3802 N Five galion size, Shpg. wt., $31 / 2$ Tbs. 11 Y 3803

Net 2.59

## ACME TIRE PRESSURE GAUGE

- Reads 8 to 40 PSI


Accurate mechanic-quality pencil-type gauge. Triple chrome plated finish. 4 -sided nylon indicator bar calibrated from 8-40 lbs. in one Ib. units. Spring lip holds gauge in pocket. Built-in deflator tip.
11 T 3050 Shpg. wt., 402. $\qquad$ Net 1.49

# Battery Chargers And Booster Chargers 



## LAFAYETTE BOOSTER CHARGER

 - 50 Amp. Battery Boost Power- 10 Amp. Battery Charger
- For 6,8 or 12 volts


## Only $26^{95}$

Starts cars fast in the coldest weather with automatic 50 amp . boost. Perfect for 6,8 , or 12 volt batteries used in trucks, cars, boats, tractors and other vehicles. Operates as a booster and as a 10 amp . charger. Features include: color coded meter indicates battery condition, charging and booster rate, and correct polarity. Full wave charging circuit, triple density setenium rectifiers, isolated and fully impregnated transformer, and an auto-reset circuit breaker; heavy duty $8^{\prime \prime}$ input cord, and heavy duty $6^{\prime}$ cables with soldered clamps for full output; acid resistant front panel and baked enamel back and sides. All internal components are plated for protection against corrosion. UL listed. Size: $8 \mathrm{H} \times 53 / 4 W \times 6^{\circ \prime} \mathrm{D}$. 11 T 0106 Shpg. wt., 13 lbs.

Net 26.95
HY-CHARGE 2 -IN- 1 BATTERY CHARGER


- For $6 \& 12$ Volts
- Automatic Circuit Breakers

$5^{75}$The Hy-charge battery charger keeps all 6 and 12 volt batter. les fully charged for peak performance even at $40^{\circ}$ below freezing. Full 1 amp. "safe" charge rate prevents flacking and plate buckling - Has automatic circuit breakers to prevent overloading. Easy to use-plug the line cord into any 110 V outlet, connect the two terminals to battery. Can't overcharge-automatically tapers off. With handle and wall bracket. Size: $5 \times 31 / 2 \times 3^{\prime \prime}$. Shpg. wt., 312 lbs.

Net 5.75

## 11 T 7602

## 6-AMP BATTERY CHARGER



- For 6 \& 12 volts
- Built-in Meter
- Automatic Circuit Breaker


## $12^{25}$

Model B. 6612 charges both 6 and 12 volt batteries at a 6 -amp rate. Will recharge the average battery in from 3 to 7 hours. Charger is equipped with an automatic clrcuit breaker for overload protection. Selector switch changes operation from one voltage to another, and an accurate numeral dial ammeter shows the exact rate of charge. Case is of rugged steel. Complete with battery cables. 117 VAC., 60 Hz . UL Listed. $93 / 4 \times 6 \times 61 / \mathbf{Z}^{\prime \prime}$
11 I 5518 Shpg. wt., 9 lbs.
Net 12.25

## SURE-FIRE 8-AMP AUTOMATIC BATTERY CHARGER WITH G-HOUR TIMER



- For 6 \& 12 Volts - Colored Meter Automatic 6-Hour Timer
- Trickle Charge


## $22^{95}$

Automatic timer can be set from 5 -min. to $6 \cdot \mathrm{hrs}$. After timer shutsoff, charger automatically into a trickle charge cycle which keeps battery fully charged. Uses sificon rectifiers and features automatic circuit breakers. Color meter shows rate of charge. With $6^{\circ}$ power cord, $50-a m p$ clips attached to battery cables. 117 VAC. $10 \times 61 / 2 \times 71 / 2^{\prime \prime}$. UL Listed. Shpg. Wt., 15 tbs.

## 11 T 7607

Net 22.95
406 Lafayette Cat. No. 690

Hundreds of uses: Operates TV's, powertools, barbecue motors, lights, hedge clippers, or, appliances using $117 \mathrm{~V} ., 60 \mathrm{~Hz}$ AC. Has self-contained 25 amp , rechargeable wet storage battery. Frequency stable within $1 / 2$ cycle with load changes. Plugs into AC outlet. or, car cigarette lighter to recharge battery. Has automatic overcharge protection. Meter shows charge rate and hours of anticipated output. Size: $12 \times 51 / 2 \times 8^{\circ}$. Shpg, wt., 36 los.
11 T 6316 WX \$5 Monthly

# terado-C-D- TRIPP LITE Inverters <br> TERADO SOLID-STATE 

DC-to-AC INVERTERS

- Transistorized
- 110 Volt AC Electricity

From Your 12 Volt Battery
Compact and convenient power inverters, Converts 12 VDC to 110 V 60 cycles AC. "Features frequency regulation $\pm 1 / 2$ cycle with chang. ing input load and voltage. Ideal for tape recorders. \$With remote control.

| Stock No. | Watts <br> Migr. Me. Cont Interm. |  |  | Sise | $\begin{aligned} & \text { shpg. } \\ & \text { wt. Lbs. } \end{aligned}$ | Met |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 11 T 6.301 | 50170 | 125 | 150 | $103 / 4 \times 6 \times 6$ | $91 / 2$ | 32.38 |
| 11 T 6315 | 50205 | 140 | 175 | $103 / 4 \times 6 \times 6$ | $91 / 2$ | 39.90 |
| 11 T 6319 | 50129 | 275 | 300 | $6 \times 6 \times 121 / 2$ | 20 | 4.25 |
| 11 T 6320 | 50128 | 450 | 500 | $6 \times 6 \times 121 / 2$ | 20 | 97.17 |
| 11 T 6323WX* | 50201 | 150 | 175 | $103 / 4 \times 6 \times 6$ | 20 | 100.51 |
| 11 T $632.4 \mathrm{WX*} \dagger$ | 50200 | 175 | 200 | $103 / 4 \times 6 \times 6$ | 21 | 114.53 |
| 11 T 6325WX* | 50191 | 275 | 300 | $103 / 4 \times 6 \times 6$ | 30 | 153.13 |

## TERADO "HASH-FREE" DC-TO-AC INVERTERS


(8).


- 110 Volt Home Electricity Anywhere

Vibrator type inverters. All have automatic frequency control. Convert 6 or 12 volts $O C$ to 110 volts, 60 cycle $A C$. Frequency regulation $\pm 1 / 2$ with changing input load and voltage. Filtered, ideal for use with tape recorders. Converters are equipped with cigarette lighter plugs or for direct connection to battery in case of larger voltage units. "Less handle-with mounting bracket. †Remote control has variable AC output switch signal light.

| Stock No. | Mfgr. $\mathrm{No} \text {. }$ | OC Input | Cont. | atts Interm | Size | wt. Lbs, | Fig. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 11 T6305 | 50115 | 6 | 35 | 40 | $21 / 2 \times 21 / 2 \times 41 / 2$ | 3 | . | 18.47 |
| 1176306 | 50116 | 12 | 40 | 50 | $21 / 2 \times 21 / 2 \times 41 / 2$ | 3 | A | 18.47 |
| 11 T 6307 | 50126 | 6 | 60 | 75 | $4 \times 5 \times 6$ * | 8 | C | 38.47 |
| 1176300 | 50127 | 12 | 75 | 100 | $4 \times 5 \times 6$. | 8 | C | 38.47 |
| 11 T 6309** | 50137 | 6 | 75 | 100 | 4 $\times 5 \times 6^{\prime \prime}$ | $91 / 2$ | c | 53.90 |
| $11 \mathrm{~T} 6310^{\circ}$ | 50138 | 12 | 100 | 125 | $4 \times 5 \times 6$ " | $91 / 2$ | C | 53.90 |
| 11 T6312† | 50153 | 12 | 175 | 200 | $5 \times 5 \times 11^{\prime \prime}$ | 22 | B | 84.07 |

## TERADO "DYNAMO" DC TO AC INVERTER

Operate any small radio in any 12 volt car truch, boat or trailer. No installation-just plug into cigar lighter. Operate electric shaver or any electric appliance up to 25 watts. With generator condenser and ignition noise suppressor. Size: $2 \times 2 \times 33{ }^{3}$ ". 11 T 6317 Shpg. wt., 2 lbs. Net 12.95


## TRAV-ELECTRIC "AUTO-SHAVER"

Operates all electric shavers. Plugs into cigarette lighter. Polyethylene non-breakable case. Size: $35 /{ }^{\circ} \mathrm{W} \times 21 / 4{ }^{" D} \times 41 / 4{ }^{\circ} \mathrm{H}, 6$ volt $10-15$ watts, 12 volts $15-20$ watts. Shpg. wt., 2 lbs.
11763036 Volt
Net 9.31
11 T 630412 volt


## CORNELL DUBILIER DC TO AC INVERTER Only 3995 No Money

- Delivers 125 Watts Continuously
- Features "Hash Free" Filtering For Interference-Free Reception
Ideal for cars, boats, house trailers, campers, etc., as a source of $A C$ power independent of power lines. Converts 12 volts $D C$ to $110-120$ volts AC at 60 Hz . Designed primarily for tele dision receiv. ers, tape recorders, phonographs and other requency sensitive devices. Specifications: input: 12 volts $@ 12$ amperes (full load); Dutput: 120 watts continuous, 140 watts intermittent; ${ }^{\text {MF }}$ Filtering: both input and output; Size: $8^{3 / 4} 4 \times 71 / 2 W \times 33 / 4 \mathrm{H}$. Shpg wt., 16 lbs. 11 T 1025w \$5 Monthly

Net 39.95
Model MK-3544-4 Mounting Mit-Heavy flanged plate fer bulkhead or floor mounting. Includes hardware and instructions.
11 T 1826 Shpg. wt., 2 lbs.
To Speed Your Mail Order - Please Give Your Zip Code Number
Net 3.60

TRIPP LITE 150-WATT TRANSISTORIZED INVERTER
Model PV- 150

$$
\begin{aligned}
& \text { No Money } \\
& \text { Delivers } 150 \text { Watts } \\
& \text { Continuosuly } \\
& \text { - Provides Household } \\
& \text { Current Anywhere } \\
& \text { - Fused to Protect Battery }
\end{aligned}
$$



A low-cost transistorized inverter which changes 12 -volt $D C$ to 115 volt 60 cycle AC. Delivers 150 -watts continuousty; 175 -watts intermittently for shavers, recorders, radios, TV and many other appllances. Has on-off switch and replaceable fuse. Rugged construction. Size: $5 \times 5 \mathrm{x}^{\circ} 31 \mathrm{~m}^{\mathrm{m}}$. ShDr, wt., $51 / 2 \mathrm{lbs}$.
11 T $8950 \$ 5$ Monthly
Net 34.95

## 100 WATT TRANSISTORIZED INVERTER

 ONLY 295- Converts 12 Volt DC to 115 Volt AC
- Delivers 100 Watts Continuously
- Plugs Into Lighter


Model PV-100. Designed to give instant AC power where fast emergency service is needed. Lightweight, low-cost inverter converts 12 volts OC to 115 V ., 60 cycles $A C$; dellvers 100 watts continuously. specifically engineered to power televisions, and tape recorders in cars, boats, planes, or mobile homes. Incorporates 2 -power switch ing transistors. Complete with cigarette lighter plug, and standard AC oullet. Size: $43 / 4 \times 43 / 4 \times 3^{\prime \prime}$.
11 T 8954 Shpg. wt., 5 lbs.
Net 29.95
TRIPP LITE ALL SOLD STATE POWERVERTERS


- Combination Power Inverters and Battery Chargers

MODEL PV-200-B-200-WATT IMVERTER, 5 AMP BATTERY CHAREE Converts 12 -volt DC to 115 -volt 60 cycle AC, delivers 200 watts continuously, 250 watts intermittently. 4 power transistor clrcultry for power boost. Battery charger is rated 6 amp , has automatic control which tapers current down to prevent overcharging. Size: $31 / 2 \times 5 \times$ $5^{\prime \prime}$. Shpg. wt., $54 / 2 \mathrm{lbs}$.
11 T 1951 \$5 Monthly
Net 49.95
MODEL PV-4SO-E-4SO WATT INVERTER, 10 AMP BATTERY CHARGER. Rugged, heavy-duty inverter with 450 -watt continuous output, 500 watt intermittent. 10 power transistors; hash-free TV, AM-FM reception. Battery charger rated 10 amp, ampere meter for both inverter and battery charger use. Pilot light warns against overloading. Builtin rack handles. Size: $51 / 4 \times 91 / 4 \times 10^{\circ}$. Shpg. wt., 14 lbs.
11 T 8955 \$5 Monthly
Net 99.50

## TRANSISTORIZED BATTERY INVERTER-CHARGER <br> - Combination 300 Watt

Power Inventer and 20 Amp. Battery Charger

## Only $59^{95}$ No Money

Inverter is rated at 300 watts continuous, and 400 watts inter. mittent output. Ideal for radios, TV, ham gear, electronic test equip. ment, hi-fi and stereo components, vacuum cleaners, electric shavers, efc. Fully rated battery charger has three charging rates; 20, 10, and 3 amperes. Unit features: metered inverter input and output; metered charger output; fully transistorized circuitry with fused overload protection; high efficiency heat sink; pushbutton control panel, and a vented steel case with carrying handle. Comes complete with $6^{\circ}$ AC power cord and $8^{\prime}$ battery cables with clips. Overall size: $12 \times 7 \times 9^{\prime \prime}$. UL Histed. Shpg. wt., 23 lbs . 11 T 7611 wx $\$ 5$ Monthly

Net 59.95

## 61/2" DWELL TACHOMETER

## $28^{50}$

- Tunes up Elec. tronically, Any Car Ever Made
- Three Dwell Scales
- Giant 612" Easy-to Read Scale
- Use to Adjust Carburetors
- Use to Adjust Points

A complete ready-to-use Dwell Meter and Tachometer which will operate on any car ever made. Tests cam Dwell angle and engine RPM on 4, 6 or 8 cylinder cars, 6 or 12 volt right on the engine. Giant 64/2 easy-to-read meter makes it simple for anyone to adjust points and carburetors to insure maximum gas economy and quiet engine running. RPM readings are also essential to properly service automatic transmissions. Three dwell angle scales are provided: 0 to 45 degrees, 0.60 degrees, and 0 to 90 degrees. This instru ment is suitable for dwell angle adjustment on all foreign and domestic cars. Dual range tachometer 0 to 1000 rpm for precise carburetor adjustments. 0 to 5000 rpm , sultable for making all other tests at high engine speeds. Complete with instruction manual. Shpg. wt., 4 lbs.
11 T 0101W
TO101W
Net $\mathbf{2 8 . 5 0}$
PROFESSIONAL DC-POWER TIMING LIGHT


- Ultra-Brite Zenon Strobe Tube

Chrome finished DC-power timing light. The ultimate in a mechanics ilght. Uitra-brilliant blue white Zenon strobe tube light for day or night use, Insures maximum light. Rugged case; de. signed for operator to reach inaccessible timing marks. Simple replacement of zenon bulb. For 6 and 12 volt battery. On/Off Switch. Shpg. wt., 2 lbs. 11 T 4240 Net 22.95

## PROFESSIONAL AC-POWER TIMING LIGHT

Deluxe 110 volt $A C$ power timing light. Uses ultra-brililant white zenon strobe tube. For day or night use. Plugs into any 110 volt $A C$ line, insures maximum light regardless of condition of vehicles battery. Rugged black case with power cord and On/Off switch. Shpg. wt., $11 / 2 \mathrm{lbs}$.
11 T 4239

## Net 11.95

# 3½" DWELL TACHOMETER 

$16^{95}$

- Tune Up Electronically Any Car Ever Made
- $31 / 2$ " Double Jeweled D'Arsonval Meter
- For 4, 6 or 8 Cylinder Engines
- For 6 or 12 Volt Systems
- Point Resistance Check

Made in U.S.A.
Electronically tune your car! Thls Dwell-Tachometer permits setting the carburetor for maximum efficiency, gas economy and greater power; indicates the correct point gap setting electrically (even if the points are pitted or corroded); permits setting points with the distributor cap off and engine cranking, and permits settling points on "Window" distributors with engine running. It also locates defective spark plugs; permits correct engine RPM setting for automatic transmission adjustments, throttle linkage and idie adjustrent. RPM scale: 0.3000 , 8 -cylinder dwell: $5-45^{\circ}$; 6 cylinder dwell: $20^{\circ}-60^{\circ} .4$ cylinder reading obtained by doubling 8 cylinder scale reading. Two-color scale. small and compact-measures only $61 / 4 \times 33 / 4 \times 2^{\prime \prime}$. Complete with instruction manual.
Shpg. wt., 2 lbs.
11 T 0105
Net 16.95


## TUNE UP KIT $10^{95}$

- Tunes Engine For Maximum Efficiency - For Accurate Ignition Timing of Any Engine

(A) COMPRESSION TESTER Shows worn or de. fective rings, pistons and cylinders. Easy-toread $24 / 2^{\prime \prime}$ dial, calibrated from $0-300$ lbs. Has offset stem and rubber nose cone to fit all spark plug holes.
11 T 4207 Shpg. wt., 12 oz. $\qquad$ Net 2.95 (B) VACUUM and FUEL PUMP TESTER indicates worn or faulty parts in fuel pump or vacuum system. Easy to read $21 / 2^{\prime \prime}$ dial matches dial on compression tester, call. brated from 0.30 inches vacuum and 0.7 lbs. for pressure. Aids in setting timing, adjustIng carburetor or tuning motor.
11 T 4206 Shpg. wt., 12 oz . $\qquad$ Net 2.95 (C) STANDARD TIMING LIGHT gives brilliant light for precision setting of Ignition timing. With oll-and-gas resistant leads.
11 T 1705 Shpg. wt., 1 lb. $\qquad$ Net 2.95
(D) REMOTE STARTER SWITCH permits operation of starter and turning over of engine from outside of car when adjusting points, valves testing compression. etc. 11 T 1702 Shpg. wt., $1 / 2$ tb. $\qquad$ Net 2.19



## TIMING LIGHT WITH

 REMOTE STARTERDeluxe neon prefocusing light. Cranks engine from the outside-checks points, bearings and tappets. The remote starter is also use. ful in testing the fuel pump, generator, compression and electrical system. For 6, 12 or 24 volt systems. Shpg. wt., $12 / 2 \mathrm{lbs}$. 11 T 4208

## COMPLETE SOLID-STATE ENGINE ANALYZER

For All Electrical Systems 6, 12, 24 or 32 Volt -Regular, Transistorized or Magneto Ignition, 8, 6 or 4 Cylinder 4 or 2 Cycle Engines.

- Large 6" D'Arsonval Double Jeweled Meter
- Do-lt-Yourself Instruction Book

No Money Down

## Solid-State Engine Analyzer Will Test:

Owell or Cam Angle
Measure Engine Speed
Adjust Carburetors
Adjust Points
Check Condensers
Check Coil Resistance
Measure Carbon Suppressor Spark Plug Cables Check Batteries
Test Alternators, Generators \& Regulators Check Shorts \& Dpens In Wiring
Checks All Lamps, Fuses, Relays \& Switches Checks Diodes

## BATTERY CELL TESTER

Accurately test batteries in or out of car. Locates weak cells quickly and indicates battery condition at a glance. Special allioy shunt between adjustable legs places 200 amperes (equivalent to average breakdown voltage of battery) load on battery during test. Rugged, modern molded grip de
 sign with large 3 -color dial that reads: Bad,
Weak and Good. Complete with instructions. Shpg, wt., 1 i/f lbs. 11 T 1707

SCHAUER "KAR-START"

- Generates Five Times The Normal Amount of Spark
Helps start wet or cold, 6 or 12 volt car engines Instantly. At instant of starting KAR-START sends five times the normal amount of spark from plugs for sure.fire stants, Used for starting oniy-disconnects when engine is running. Won't damage plugs or distributor. Easy to install. Shpg. wt., 802.
11 T 5520
Net 3.95


## ALL-ELECTRONIC MOTOROLA ALTERNATOR SYSTEM <br> 

 As Low as 595 as low as $53^{95}$- All-Transistor Voltage Regulator and 7-Diode Alternator
- Extends Battery Life

- Guaranteed For 3 Years (or 30,000 Miles)*

Low cost solution to the heavy demands made by yeur car on its electrical system..Unlike O.C. generators, it supplies atharge at idle spoeds and keeps the battery at a unitorm high level of charge. The all-transistor voltage regular has no contact points to stick or burn, Fits all domestic cars with 12 -volt, negative ground electrical systems. The complete system includes: Aiternator with standard-size pulley): all-transistor regulator (with all connecting wires); unimersal mounting racket: instructions for installation.

| T 75 | (wt, 12 lbs.$)$ | Net 53.95 |
| :---: | :---: | :---: |
| 11 T 7502 40-Amp. | (wt., $13 \mathrm{lbs}$. ) | Net 57.50 |
| 11 T 7503 55.Amp. | (wt., 15 lbs.) | Net 60.95 | 11 T 7503 55.Amp. ........... (wt., 15 Ibs.) ............................ 60.95 - Manufacturer's guarantee covers repair or replacement of parts proven defective in normal use within 3 years or 30,000 miles (whichever occurs first).



Performs "FIFTEEN" authoritative tests under actual operating conditions! Tests output voltages in three separate ranges: $0.3 .2,0.16$, 0.32 VDC. Determines the condition of batteries, battery cables, spark plug wires, coil wire, solenolds and starter motors. Permits precise setting of distributor points (cam-dwell angle) and test centrifugal advance mechanism on three scales: $0.45^{\circ}$ for 8 -cylinder, $0.60^{\circ}$ for 6 -cylinder, and $0.90^{\circ}$ for 4 cylinder. RPM scales allow precise set. ting of carburetor air/fuel mixture and engine RPM in four sep. arate scales: 8 or 6 -cylinder (low) $0-1,200$, (high) $0.6000 ; 4$-cylinder (low) 0.2400 , (high) $0-12,000$. Measures amps from -5 to +90 . Re. sistance scale from $0-100,000$ ohms. High voltage coil and spark est scale from $0-30,000$ volts. Dperates on single " 0 " cell battery. Complete simple operating instructions allows anyone to use this instrument to its full capabilities. Detalled information supplied by make and model. Rugged steel case finished in baked enamel. Rear storage compartment hotds $5 \sqrt[1]{2} 2^{\prime}$ leads, clamps, plug lacks and connectors. Size: $12 \times 61 / 2 \times 6$ ". Shpg. wt., 10 lbs .
11 T $2450 \$ 5$ Monthly
Net 49.95
99 T 6256 Battery For Above
Net . 15

## TACH-DWELL-POINTS TESTER

## - Make Accurate Tests

 Of: Engine RPM-Points Resistance-Cam Dwell and Carburetion- Color-Zoned Scale

Electronically tune-up any car without the aid of special tools or skills! Makes numerous vital engine checks with one simple connection. Works on 4, 6 or 8 cylinder, four cycle engines with positive or negative ground systems, Large dial has $0-1600$ and $0-1200$ RPM scales. 15 to 45 degrees and 20 to 60 degrees dwell ranges. Has colorzoned point condition scale. Features simplified switching arrangement. Shpg. wt., 2 lbs. 11 T 2150

## AUTO-MATE AUTO ANALYZER

Now you can check the electrical systems of your car from the front seat without digging Into the parts of the engine. Plug furnished with large dial meter fits cigarette lighter and tests battery condition, current produced by alternator or generator and proper voltage regulator setting. Measures current flow in the electrical system during starting and running with color coded meter. Permits positive identification and isolation of electrical trouble. For 12 v negative systems, Shpg. wt., 1 lb. 11 T 7250


## KEYLESS MOTOR START $\mathbf{4}^{95}$

Starter switch with on/off switch-cranks, starts, stops engine from outside car or truck. Completely bypasses Ignition and key. No need for second man to turn key in ignition while tuning up engine. With on/off switch and starter spring loaded switch for continuous cranking or starting. Circuit breaker (no fuses to replace) to protect distributor points and ignition system. For all 6 or 12 volt systems. Shpg. wt., 1 ib . 11 T 4230


# Capacitive Discharge Ignition System 

# 3095 With Silicon Controlled Rectifier 

No Money - Quick, Easy Installation - Constant Spark to 10,000 RPM Down - Extremely Low Input Power-Less Load On The Engine

## MOTOROLA CAPACITOR DISCHARGE IGNITION SYSTEM

Only $56_{\text {No Money Down }}^{95}$
No Money Down

A complete ignition modernizing kit giving your car the added efficiency and economy of eiectronic switching. Operates by a simple connection to the existing coll and oreaker point distributor. For any number of cylinders. The "CDI 12" features a capacitor discharge current and higher constant voltages for maximum combus. tion and improved miles per gallon. The heavy-duty mounting unit is epoxy coated for moisture and dust-proofing. Fully sup-

- With Silicon Controlled Rectifier
- Extends Point And Plug Life
- Quick Easy Installation

Combines all the advantages of capacitive discharge with those of solid state clrcultry. Patented circuitry eliminates point bounce problems and positively fires plugs regardless of point condition. Fast rise time spark prevents fouling from three to ten times. Point contacts last indefinitely. Ellminates mis-firing, reduces oil contaminants, prolongs engine life. Provides smoother and more efficent operation at all speeds; constant spark up to 10,000 RPM; with dra. matically improved acceleration and economy. Provides faster, easier starting in all weather. Reliability and performance proven
on thousands of military, commercial and private vehicles from Alaska to Cape Town. Unit operates with all commercial and original equipment tachometers. Installs im. mediately with two simple connections to the existing coll, leaving the standard. system intact. No temperature limitations mounts anywhere. Requires only a very small amount of input power - reduces load on engine and electrical load. For 12 volt negative ground system only. Shps. wt., $21 / 2$ lbs.
$1118450 \$ 5$ Monthiy
Net 39.95


LAFAYETTE ILLUMINATED AUTO GAUGES


## (A) AMMETER \& OIL PRESSURE GAUGES

The ammeter calibrated in a $60.0-60$ scale Exact ofl pressure from 0 to 80 lbs. Is indicated. Easily installs in any 6 or 12 volt car without drilling. $13 / 4^{\prime \prime}$ diam. black dial faces with calibrations in white. Size $51 / 6 W \times 27 / 0 R \times 21 /{ }^{\prime \prime} \mathrm{D}$. Supplied with 6 and 12 volt bulbs and wire, all necessary fittings plus full instructions. Imported. Shpg. Wt., It/2 Ibs. 99 T 8501 Net 4.95
11180047 Fitting
Net .49

## (B) WATER TEMPERATURE GAUGE

Heavy-duty vapor tension thermometer which indicates from 100 to 220 degrees fahrenheit on a $2^{\prime \prime}$ dlameter dial. Has $72^{\prime \prime}$ of armored caplifiry tubing with $1 / 2{ }^{* \prime}$ male plpe thread adapter. Includes mounting bracket, $6 / 12$-volt illuminating kit, hardware and instructions. Imported. Shpg. wt., 2 lbs.
99 T 8506
Net 4.95

## OELUXE $270^{\circ}$ OIL PRESSURE GAUGE/AMMETER

## OELUXE $270^{\circ}$ OIL/WATER GAUGES/AMMETER


pressed for excellent radio reception. Installation is simpllfied by damage proof circuit protected from reverse polarity or open secondary leads. Shorter, more powerful sparks at plugs increase combustion. reduce plug wear, increase engine life many times. Overall increase in performance, ac. celeration and gas mileage. Oesigned for cars with 12 -volt negative ground systems. Shpg. wt., 3 lbs.
11 T7506 $\$ 5$ Monthly
Net 56.95


## "Custom Rally Styled" Automotive Gauges



3 $1 / 4^{\text {" }}$ ELECTRONIC TACHOMETER

- Heavy Chrome Die Cast Case
- Shift Set Needle
- $0.8,000$ RPM - 6 or 12 Volts

An attractive $34 / a^{\circ \prime}$ illuminated black and white face tachometer with precision 0.8000 RPM scale and adjustable shift Indicator. Factory calibrated solid-state circuitry and durable, vibration-proof chrome zinc die cast construction assure steady, accurate readiags throughout the entire range. Can be used with transistor ignition systems. Has $360^{\circ}$ universal mount slim line case for easy dash mounting on compacts or on steering wheel column. Comes complete with installation kit. For 6 of 12 volt positive or nepative ground. Shpg. wt., 2 lbs. 11 T 4233 For 8 Cylinders .......... Net 15.95 11 T 4234 For 6 Cylinders

Net 15.95


## gas saver vacuum gauges

(A) DELUXE 3Y/" TWIN VACUUM GAUGE. AUtomatically shows miles per gallon. Instrumented driving saves up to $\mathbf{4 0 \%}$ of your gasoline dollars by showing you how to drive for the best economy or power. Also checks your engine constantly by measur. ing its manitold pressure on a clear, four calor illuminated dial, $360^{\circ}$ universal mounting, zinc die cast case, $T$ connector, 6 ft . vacuum tubing, steering column mount ring and instructions. Fits any car. 11 T 4205 Shpg, wt., $21 / 2$ lbs.
_ Net 12.50
(B) "bullet" Vacuum gauce. Shows most e ficient engine speed. $2^{\prime \prime}$ meter in chrome bullet housing. Illuminated dial indicates maximum engine efficiency, Warns of leaky intake and exhaust systems or improper ad. justment of valves, tappets, and timing. fits any car.
11 T 4222 Shpg. wt., 1 lb. $\qquad$ Net 6.95


## 31/4" TRANSISTORIZED TACHOMETER

- For 4,6 , or 8 Cylinder-0-8000 RPM
- Deluxe Chrome Die Cast Case
- Convenient Shift Set Needle

Rugged, precision engineered Tach features low power drain transistor circuitry, black and white illuminated dial face, and handsomely styled $3^{\prime \prime}$ long vibration-proof chrome die-cast housing. Tach also boasts a built-in shift set needle, adjustable steering column ring, and $360^{\circ}$ universal mount. Will operate with transistor or regular ignition systems, 6 or 12 volt positive or negative ground. Easily mounted on or under dash, on console, or on steering colurm. Rellable indication permits better use of engine power-a must for the demanding driver. Shpe. wt., $21 / 2$ lbs. 11 T 4241

Net 21.95

## $31 / 4^{\prime \prime} 270^{\circ}$ "WIDE-SWEEP" TRANSISTORIZED TACH

- Precision 0-10,000 RPM Scale

For 6 or 8 Cyllinder
Our finest tachometer features a wide sweep $31 / /^{\prime \prime}$ Illuminated black and white scale, precision D'Arsonval movement calibrated to $2 \%$ accuracy, and a shift set needle with $270^{\circ}$ swing. Equal divisions between graduated markings for pin-point accuracy over the entire range. This handsomely styled instrument is virtually unaf. fected by vibration. Has deluxe $3^{\prime \prime}$ long chromed zinc die cast housing and $360^{\circ}$ universal mounting for dash, console, or steering column mounting. For transistor or regular ignition systems at 6 or 12 volt positive or negative ground. Shpg. wt., $21 / 2 \mathrm{lbs}$.
11 T 4236
Net 27.95

## DELUXE 31/4" OIL-AMMETER-WATER PRESSURE GAUGE

\author{

- All Electric- No Tubing
}

End guess work and space problems with this beautirul three-in-one gauge. Illuminated dial face gives accurate individual readings of oll pressure, amperage, and water temperature. Amp. gauge reads 60 to +60 , oil pressure registers 0 to 80 los., and water temperature is indicated from $100^{\circ}$ to $220^{\circ}$. Fits all 12 volt negative or positive ground alternator or generator electrical systems. Handy $360^{\circ}$ universal mount and durable chrome zinc die cast case. Supplied with wire, adjustable mounting ring, and senders.
11 T 4203 Shpg. wt., $21 / 2$ tbs.
Net 19.95

## OIL AND AMMETER GAUGE

Similar to above, less water temperature gauge.


11 T 4204 Shpg. wh., 2 lbs. Net 15.95

## CYLINDER HEAD TEMPERATURE GAUGE FOR VOLKSWAGENS

- Help Prevent Engine Damage
- Easy-To-Install
- For 6 Or 12 Volt Systems

Avoid serious engine trouble with this ruggedy designed, deluxe cylinder head temperature gauge. Easy to read 2K." dial measures from $200^{\circ}$ to $500^{\circ} \mathrm{F}$ indicating if your engine is running properly. Gauge comes in "custom" styled simulated walnut inlay chrome panel. Complete with 4 sending units and a 4 position switch for reading each cylinder; wire and easy to follow in. structions. Designed for late model Volkswagens-1963 on. For 6 or 12 volt systems.
${ }_{11} \mathbf{T} 4242$ Shpg. wt., $11 / 2$ lbs. Net 19.95


# Automotive Accessories \& Specialties 




- Gives Advance Warning - Miniature and Completely Transistorized
- Complete With Long Life Mercury Batteries


## - Clips Easily on Sunvisor

- Rugged Printed Circuit

Miniature electronic detector gives an audible warning whenever it intercepts a radar beam. Dual-Band circuit detects all commonly used police radar speed meters and traffic control devices, both vertically and horizontally polarized, to promote safer driving. Miniaturized and completely transistorized. TOD quality components; printed wiring; 8 transistors; two 1,000 hour mercury cell, self. testing batteries (equivalent to 35,000 miles of driving at 35 M.P.H) Magneslum case eliminates radio. TV and other interference. Weighs
DELUXE 4-WAY EMERGENCY FLASHER 395

- Built-in Heavy-duty Flasher and Fuse
- All 4 Directionals Blink On and Off
- Flashing Pilot Light with Audible Click

Simply pull out the switch and all 4 directionals start blinking, along with pilot light in switch. Completely separate heavy-duty system cannot overload or damage car's existing light system Unbreakable mounting bracket for mounting through or under dash Easy to install; self-insulating connectors. Instructions included. 11 T 8203 Shpg. wt., 1 lb.

Net 3.95
LAFAYETTE 4-LITE WARNING SWITCH KIT


Just flip the emergency warn ing switch and all four di. rectional signals on your car flash on and off setting up a safety zone around your car. Ideal for use during emergency road stops. Pliot iight that flashes when unit is on. Complete with installa. tion instructions. Imported. Shpg. wt., 1 lb . 99 T 8514 Net 1.39
ON-GUARD PROFESSIONAL SIREN.


Trunk and Hood

- Pick-Proof On-Off Key Lock Mounts on Outside of Auto
- Complete-Easy To Install

Get 24 -hour protection on your car, station wagon or truck with this complete burglar alarm system. The sharp penetration sound of the police-type siren will scare thieves away. The siren blasts off when anyone opens a door, the hood or trunk. The alarm can be shut off only with the alarm key. Complete system includes siren with trumpet, 4 door switches, hood switch, trunk switch, 2 brackets, electrical lock with 2 keys, wire, mounting hardware, instructions and 2 warning decals. For 12 volt cars only. Shpg. wt., 3 los.

Net 27.88
only 13 ozs., measures $35 / 0 \mathrm{~W} \times 21 / 4 \times 31 / 4$ "0 ; clips to sunvisor. Complete with batteries, sunvisor clip. Instructions included. Shpg. wt., $11 / 2$ lbs.
11 T 4201
Net 29.95
This item not intended for resale in states where its use is forbidden in motor vehicles by public regulation.


Extra heavy chrome-plated wheel locks. Protects costly custom "Mag" and standard wheels against theft. Wheel locks look like regular lug nuts but can only be removed with key. Set consists of 4 locks-one lock per wheel. Shpg. wt., 1 lb.
FITS THE FOLLOWING CARS

| Chev. 46-68 | Chevy II 62-68 | Buick (Sp) $64-68$ | Olds F-85 64-68 |
| :--- | :--- | :--- | :--- |
| Camaro 67 | Corvair 60-68 | Firebird 64-68 | Tempest $64-68$ | Chevelle 64-68 Corvette 53-68 GTO 64 68-68 Tempest 64-68 For Standard Wheels, Set of 4 with 2 Keys. 11 T 6204

For "Mag" Wheels, Set of 4 with 2 Keys.
11 T 6205
SECRET AUTO-IGNITION GUARD


- Stops Car Theft
$2^{25}$
- Only You Can Start Your Car
- Fits Every 6 and 12 Volt Car and Truck
With just a furn of a knob, the auto Ignition guard will stop any car thief. Even master keys and "jumping methods" will not start your car-only you can start it. Hooks up in minutes; fits 6 and 12 volt cars and trucks. Shpg. wt. $1 / 2 \mathrm{lb}$.
11 T 1311
Net 2.25


## ON-GUARD HORN BURGLAR ALARM

 (1) $\left\{\begin{array}{l}0 \\ 4\end{array}\right.$


- Sounds Car Horn When Entry Is Forced
- Protection For All Doors, Trunk, and Hood
- Pick-Proof ON/OFF Key Lock Mounts on Outside of Auto

Protect your car, wagon, truck 24 hours a day. Easy to install auto alarm system activates when anyone opens a door, the trunk, or hood. When an entry point is opened a shrill sound of the vehicle horn will be heard. The alarm will not be silenced by closing the point of entry. Can be shut off only with the alarm key. System Includes six alarm activator switches, lock, 2 keys, 2 relay switch unit, wire, mounting hardware, and simplé instructions. Shpg. wt., 2 lbs.
11 T 6202 $\qquad$ Net 6.88

## PULSATING HORN BURGLAR ALARM

Similar to above except when an entry point is opened, a "Vibrating Shrill Beeping" pulsating sound of the vehicle horn will be heard. 11 T 6203 Shpg. wto, 2 lbs.

Net 9.88
For Complete Index See Pages 449 to 452

## Popular Accessories for Your Car

 back of neck and head. Locks to seat automatically. 3 Knobs, finely callbrated gives 4 -way ad. justment to custom fit any individual, chalr or car seat. Full $5^{\circ "}$ vertical adjustment; 4" forward and back. Looks like orizinal equipment. Made of soft vinyl plastic with molded wing rests.
11 T 1201 Black. Shpg. wt., 2 lbs
Net 7.50
11 T 1204 Beige. Shpg. wt., 2 lbs.
Net 7.50

## DELUXE SLIP-ON HEADREST

 - Installs Easily-No Tools Required No Tools Required 4.way adjustable headrest is easily custom fitted to give relaxed, tireless comfort, protection against whiplash. Tempered spring steel construction allows a perfect fit with virtually any seat. Face of headrest section is curved in channel quilted roll and pleat for a heightened look of luxury. Rugged leather grained vinyl cover. Comes fully assembled, Shpg. wt., $31 / 2$ lbs.
11 T 6552 Black
Net 4.95


11 T 6553 Blue
Net 4.95

## PRIMETTA 'PSOCLES')

## FOR SAFER DRIVING:

- at Night
- IN RAIN
- IN FOG
- IN SNOW


Scientifically designed to protect eye from glare of headilghts, street Ughts, efc. without materially reducing vision. Filier lens exclude all ultraviolet rays. Ideal for driving at night, in oaing fog and snow. For $20-20$ vision. With case. Shig. wt., 6 oz , 11 T 3201

Net 2.25
Cilp-on "Foggies," - use on existing glasses.
11 T 3202
Net 1.85

## FIRST AID KIT

- Complete with Flashlight and Safety Blinker

A first-aid kit with a portable flashing red warning light and white utility light. Blue/white molded plastic carrying case has
 cotton, ammonia Inhalant, box of band aids. 2 tongue depressors, adhesive tape, tweezers, gauze bandare, orinking cup, $3 \times 3$ and $4 \times 4$ gauze pads. blade holder, first-aid book, scissors, list of contents, antiseptic/burn ointment. Lights operate on 4 " $0^{\prime \prime}$ batteries (not incl.) Shpg. wt., 3 lbs.
11 T 8201
Net 4.79
99 T 6256 Batteries for above (4 required)
Net ea, . 15

## SEQUENTIAL SIGNAL FLASHER



For 2.Bulb Tailight


For 3-Bulb Tailight

- Convert Your Turn Signals To A Moving Line of Light Convert your car's two or three lamp rear turn slgnals so that they flash on in sequence, creating the effect of a moving line of light pointing the way you intend to turn, Rugged and rellable both right and left signal circuits are complete in one compact urit. A safety innovation. Easy-to-install ... all wiring done at signal lamps. Shpg. wt., $1 / 2 \mathrm{lb}$. For 12 volt negative ground only.
11 T 3450 For 2-Bulb Tallight
Net 10.95 11 T 3451 For 3-Bulb Tallight

Customize the appearance of your car the easy way by installing chrome wire 100 m hubs ..., makes chrome wheels really sparkle! adjustable to fit $13^{\prime \prime}, 14^{\prime \prime}$ and $15^{\prime \prime}$ rims with 4 and 5 lug hubs; reg. ular reversed or deeo-seated types. Chrome cap adjusts and aligns the wire looni for rattle-proof installation; will not rattle, squeak, or fall off. Chrome center cone covers unsightly lugs. Wire hubs designed for easy cleaning. Shpg. wt., 10 lbs.
11 T 3009 w Set of 4 hubs

# "DO-IT-YOURSELF" Auto Accessories <br> ELECTRONIC CRUISE CONTROL <br> CUSTOM SIDE LIGHTS 



Only


- Maintains Any Selected Highway Speed
- Does Not Affect Braking or Instant Acceleration
- Helps Adhere To Posted Speed Limits
- Sets Fast Idle for Ouick Cold-Weather Warm.Up An Electronic Cruise Control which enables you to drive at a constant speed by automatically holding the throttle steady. Eliminates the need to keep a foot glued on accelerator on long trips. Once you reach desired speed, simply pull out knob and the Cruise Control will automatically hoid that speed. Allows instant acceteration for passing but takes over again when the foot is taken off the gas pedal. Ceases to function the moment the brake is depressed and completely disengages in the event of any malfunction. Designed to fit all cars and trucks. Shpg. wt., $11 / 2$ lbs.
11 T 5901
Net 19.95
DEFROSTER/DEFOGGER KIT

- Enjoy The Convenience and Safety of Clear Rear Vision
- Adjustable Louvers Direct Air Where Needed Rear window defrosting kit with giant defrosting capacity - 50 cu . feet of warm air per minute quickly defrosts and defogs rear window regardless of weather. Unit is easyily installed in trunk; does not interfere with spare tire or luggage space. Adjustable louvers to direct flow of air are recessed; wlil not interfere with vision or rear deck space. Dash switch controls defroster operation. Improves heating and air conditioning operation of car by increasing air circulation. Kit includes heavy duty motor, defroster hoses, adjustable louvers, switch, wiring. templates, and installation instructions. Fits all cars, (except station wagons. convertibles, and rear engine cars) for 12 volt electrical system. Shpg. wt., 5 lbs. 11 「 1250

Net 16.95

## WINDOW DEFROSTING FAN



- For Front or Rear Window
- Harmless 6" Rubber Blades
- Plugs into Cigarette Lighter

A practical automotive accessory which keeps windshield free from frost or fog while you drive. High speed $3,000 \mathrm{rpm}$ motor controlled from drivers seat by 2 . speed switch. Complete with cord; universal swivel joint on sturdy base, $21 / 2 \mathrm{lbs}$ 11 T 3402 For 12 volt cars ...... Net 9.95


- Conforms To New 1968 Safety Code

Newly designed, custom side marker lights that keep pace with 1968 model cars by conforming to the new automotive safety code. Small button style design will enhance your cars appearance by day, prevent accidents by night . . . your cars visibility improves attracting attention of drivers coming from either side. Easy to mount and Install into car's electrical system. . . . Complete with hardware and instructions.
11 T 2750 Set of 2 Amber for front. Wt., $1 / 2 \mathrm{lb}$.
Net 3.95
11 T 2751 Set of 2 Red for rear. Wt., $1 / 2 \mathrm{Ib}$.
Net 3.95


## AUTO SIDE REFLECTORS

Style trim reflectors for night-time safety. Easily applied, self-adhesive, permanent acrylic auto side reflectors attracts the attention of drivers com. ing from either side. Classic styling with stainless steel frame harmonizes with every car. Shigg. wt., 40 oz .

Net 1.89
Net 1.89

## BACK-ALERT

Clear, audible alarm, prevents back-up accidents by alerting pedestrians as well as other motorists when vehicle is placed in reverse gear. Quick clip terminal at taches to back-up light wire without cutting, splicing or taping. Mounts on trunk lid or rear panel with 2 self-tapping screws. Rust-proof brass with chrome finish. Includes wire and all hardware 12 voits only. Shpg. wt., 1 lb . 11 T 1150

Net 3.69


61 Buick 64 Cadillac 68 Camaro $61-68$ Chev. 67-68 Chevy II
67.68 Chevelle 63-65 Comet 63.67 Ford 63-65 Falcon and other cars with striker bolt in hood
11 T 5301 Shpg. wt., 1 tb.

## 2 WAY CHOKE CONVERSION KIT

## SPARK PLUG CABLE KITS



- Auto and Marine-4, 6, and 8 Cylinder Engines

Ellminate auto and marine starting problems in any weather. Keeps moisture out-eliminates high-voltage leakage! 8 cylinder set: 271/2 DUPONT HYPALON COVERED copper ignition wire, 8 angle spark plug terminals, 8 straight spark plug terminals, 8 spark plug protectors, 10 distributor wire terminals, 9 distributor nipples and 1 ignition coll nipple. Shpg. wt., 2 lbs.
11 T 4951
Net 2.39
4 \& 6 CYLINDER SET. $20^{\circ} \mathrm{Ig}$ nition wire, 8 distributor wire terminals, 7 distributor nipples, 6 angle and 6 straight spark plug terminals, 6 spark plug protectors and 1 ignition coil nipple. Shpg. wt., 2 lbs. 1174952

Net 2.09


Gives you finger tip control of your carburetor choke for faster starts, maximum gas savings. Dual choke never interieres with normal operation of your automatic choke. No carburetor adjustment necessary. Control bracket screws easily to lip of dash panel. Shpg. wt., 1 lb . 11 T 2301 ............... 1.99

## CHILTON'S AUTO MANUALS



CHILTON'S 1968 AUTO REPAIR MANUAL A completely revised manual for every Amer. ican car since 1960. 3000 pictures, 1400 pages. Heips pin-point trouble and correct it. 10 T 2801 Shpg. wt., 7 lbs. ........ Net 8.50
GLENN'S FOREIGN CAA REPAIR MANUAL covers all 40 major foreign cars sold in America from 1952 to date. Newly revised 2nd edition, over 1200 pages. 10 T 2800 Shpg. wt., 5 lb.

Net 15.95

AUTO HOOD LOCK KIT
29 - Prevents Theft of Battery and Engine Parts

Hood can only be opened from inside of car. Protects battery generator, distributor, etc. Complete with all parts for installa. tlon. Fits following cars: 64-65 Mustang 68 olds
63-68 Tempest
62.66 Rambler (not Classic) 64 T-Bird

# Custom Horns-Accessories-For Your Car 

## MUSTANG HORN FOR ALL CARS

- Whinnies like a Wild Mustang


## $9^{95}$

You've seen a mustang-now hear a mustang! Compact size horn "whinnies like a wild mustang" when you press the horn button in the car. Adds a new dimenston of life to your Mustang or other make automobile. Conveniently mounts anywhere under the hood. Fits any car. Complete with horn button control, wire, and all necessary mounting hardware. 8lack enamel finish with chrome plated grill. Dimensions: $5^{\prime \prime} \times 52^{\prime \prime} \times 6^{\prime \prime}$. Shpg. wt., 4 lbs.
11 T 4452 For 12 volt
Net 9.95

## CONTINENTAL HORN

## $12^{95}$

- With European Sound

Swing with the sounds of the continent! Twin continental electric horn
automatically alternates from high to low notes Ilke European police horns. Clear, crisp tones are sure to attract the attention of pedestrians and other motorists. Different from other horis, consists of a high note unit and a low note unit mounted on a single sturdy frame. Mounts under the hood of virtually any car, in any available space. Complete with horn button control, wire, mounting hardware, and complete installation instructions, Black enamel finish with bright chrome grill, For 12 volt. Dimensions: $342^{\prime \prime} \times 54 / 2^{\prime \prime} \times 9^{\prime \prime}$. 5 hpg . wt. $61 / 2 \mathrm{Ibs}$.

## If T 4450 <br> Net 12.95



## ELECTRO-PLATING KIT

- Replate Worn Chrome or Plate New Items
asy-to-Use


## Retouch worn, peeled, or rust.

 ed areas of chrome plated ar. ticles. Restore old plating to its original beauty by electro. plating chrometike metal.

Plate new articles with equal safety and ease. Kit comes com. plete with 4 oz . Met-L-Cote, 4 oz. Cop-R-Cote, battery case, brush, holder, wire and clip, 4 o2. buffing compound, and directions. Will cover approximately 12 to 20 sq . ft . Uses 6 penlight cells. Less batteries
11 T 2550 Shpg. wt., 2 lbs.
Net 7.95
99 T 6258 Batteries for above, ( 6 required)
Net .10 Refill kit for above. Material to do as much as in hit above, Contains: 4 oz. Met-L-Cote, 4 oz. Cop-R-Cote, replacement anode, 4 oz. buffing compounds, and directions.
11 I 2551 Shpg. wt., $11 / 2$ lbs.
Net 3.98


- With Horn Button

A real joy for the sports car enthuslast. An authentic motordriven horn approved as an exact reproduction in sound and appearance by members of antique car, hot rod, and horseless carriage clubs the world over. Chrome plated bell with black wrinkle painted housing. with horn button, wire, bracket and instructions. Shpg. wt., 1 lb .
11 T 3001 6-volt 10.95 11 T 3002 12-volt For Compacts and Sports Cars
11 T 3007 12-volt
11 T 30086 -volt
Net 10.95
Net 10.95
"FIAMM"
ELECTRO COMPRESSOR AIR HORNS

- Chrome Plated

Brass Trumpet

- Range of $1 / 2$ Mile
- Loud-Clear-Continental Tone

As Low As
$15^{95}$

Model 32. Custom quality chromed trumpets with loud clear, plercing, continental tone. Range up to $1 / 2$ mile. Ideal for use on trucks, sports cars, emergency vehicles, buses, boats, etc. Compressor pumps alr to trumpets instantly when horn is pressed-there's no walting for pressure to build up. Supplled with Town and Country Selector switch which enables use of original horns for city driving. Complete with: 2 homs ( $7^{\circ "}$ \& $9^{\prime \prime}$ ), compressor, fittings, horn relay. and all necessary hardware, For 12 volts only. From Italy. Shpg. wt., 6 lbs.
11 T 8250
Net 19.95
Model 22. Same as above but trumpets are enameled die-cast metal, 11 T 2251


Quality built, easy to use and install, musical horn that plays the award winning "Col. Bogey March" from "The Bridge Over The River Kwal." Suitable for cars, trucks, buses, boats, etc. Five trumpets made of sturdy enameled die-cast metal combine durability and long range sound. Air horn comes complete with a special cycle switch allowing 2 of the louder trumpets to sound simultaneously and a Town and Country selector switch permitting you to use your original horn, as well as the original horn button. Also includes a complete set of instructions, fittings, hose, relay and compressor. For 12 V only. From Italy. Largest horn $14^{\prime \prime}$
11 T $8252 \$ 5$ Monthly. Shpg. wt., 12 lbs.

## Net 69.95

## "FIAMM" 3-TRUMPET ALTERNATING <br> AIR HORN

Powerful yet pleasing three trumpet air horn proves quite an at-tention-getter with any car, truck, bus, boat, emergency vehicle, etc. Features a heavy-duty compressor for a penetrating, long-range sound. Horn sounds three alternate, pleasing notes or with the spe. cial cycle swifch provided, all three trumpets sound simultaneously. Includes: instructions, fittings, hose, horn relay, and compressor. Made of enameled, die-cast metal. Range 1 mile. 12 v , only. From Italy, Largest Trumpet $9^{\prime \prime}$
11 f 253 \$5 Monthly, Shpg, wt. 9 lbs,
Net 35.95

# Auto Warning Signal Lamps-Accessories <br> DELUXE REVOLVING BEACON 

 $6^{39}$\author{

- Plugs Into Cigarette
} Lighter Outlet
- Rotates Like a Lighthouse Beacon

A red warning light that rotates 360 degrees and flashes in all direc. tions. Suction mount holds the beacon firmly in place, signals for help for miles around: creates a safety zone during a traffic emergency: For use on autos, boats, trucks, docks, etc. For 12 volt use; complete with cigarette lighter adapter plug. Shpg. wt., 2 lbs
11 T 1304
Net 6,39
blue turate lens. Converts Revolving Beacon for use by emergency vehicles, volunteer fire depts., CD units, etc. Shpg. wt., 1 lb . 11 T 1305

Net .95


## 95

"THE ROTATOR"

- Revolving Safety Beacon

Giant size amber turret lens flashes and rotates full $360^{\circ}$. Bright enough to sig. nal help for miles around. Creates a safety zone while changing a flat or during a traffic emergency. For use on autos, boats, trucks, docks, etc. Blg suction cup base will mount on any smooth surface. Giant size amber turret lens, brillant chrome finish. Uses 3 "D" batteries. (Not included.) Shpg. wt. $11 / 2$ lbs. 11 T 1450

Net 3.95 Batteries for above.
99 T 6256
Net ea. . 15
CAR MAP LIGHT 16

- For Map or General Illumination

A portable lamp which can be plugged into any 12 -volt cigarette lighter receptacle. Has $53 / 4$ inch gooseneck making completely adjustable to any position you desire. Throws a concentrated beam of light without annoying glare to oriver, Lamphead is only $2 \% \mathrm{~s}^{\prime \prime}$. . Ideal for reading road maps, light ash tray or ignition switch. Has convenient on-off switch, bulb. wt., $1 / 2 \mathrm{lb}$. Imported. 99 Y 8517

Net 1.69


ALL PURPOSE CAR LICHT

Ideal auxillary car light for use in writing or reading in cars at night. Magnetic base and clamp, plus $81 / 2 \mathrm{ft}$. cord permits use as trouble light in and around the car. $6^{\prime \prime}$ chrome flexible shaft adjusts to any position. Magnetic or clamp on base permits temporary or permanent installation. Features switch at base and $81 / 2 \mathrm{ft}$. cord with plug to fit any cigarette lighter, Imported. 99 I 8520 Shpg. wt, 1 Ib.

Net 2.39

## INFRA-RED WINDSHIELD DEFROSTER



Cleans Front or Back Windshield in Seconds

- Plugs into Cigarette Lighter
- Suction Cups Mount to Windshield in Seconds

Ira-red electric windshieid defroster utilizes the concept of pene. trating infra-red instant heat to quickly melt away mist, ice, and snow. You no longer have to walt for car to warm up before cleaning windshield-just plug it into your clgarette lighter, and start defrosting windshield immediately. Complete with 12 foot cable for reaching back windshield. Two suction cups make mounting fast and easy. Length: $15^{\prime \prime}$. Shpr. wt., 1 lb .
11 T 1307 $\qquad$ Net $\mathbf{2 . 7 9}$


Plug-in portable spotlight is a real "life-saver" in emergencies-provides dependable, instant, powerful light for safety in every night-driving need. Finger-grip hande permits easy direction of light beam. Flexible 10 -foot cord; GE sealed beam; convenient hang. up hook; rich chrome plate on die-cast metal. Fits most cigarette IIghter sockets. Stows away in glove compartment. 11 T 1625 Shpg. wt., 2 Jbs. . Net 4.95
AUTOMATIC TRUNK \& HOOD LIGHT


Light up your entire hood or trunk compartment. Bright diffused light illuminates trunk or hood compartment for loading or unloading trunk... for making engine inspection or repairs at night. Completely automatic with Honeywell mercury switch. Easily installed. All hardware and wire included. Shpg. wt., 1/2 lb.
11 T 4301 Net ea. 1.69


# 25-TT. 12 VOLT TROUBLE LAMP <br> - Complete With 50 Watt Bulb 

An all purpose emergency light for shop, garage or "on-the-road" use. 12 -volt light taps directly from battery of cars, trucks or boats. Color coded alligator clips, yellow cord. Complete with bright 50 watt bulb. Shpg. wt., $21 / 2$ tbs.
12 T 4451
Net 2.89

## LITE BUZZER



- Reminds You To Turn Off Your Lights When You Park Your Car
- Saves Battery and Service Charges

Sounds off with an audible noise when you turn off your Ignition with. out turning out your lights. Saves your battery, service charge. Connects to fuse panel with 2 alligator clips and one thumb screw. Easy to install. Mounts under dash. Shpg. wt., $1 / 2 \mathrm{It}$.
11 r 5001
Net 2.19


- Signals and Warns For Miles Around

Automatic traffic hazard protection. Five lights create hundreds of different flashing patterns. Brilitiantly signals help. Can be used in car without unlocking doors - great for women traveling late at night. Rubber suction cup mounts and 15 ft . cord permits fast easy attachment. Plugs into cigarette lighter. For 6 or 12 volt use. Imported. Shpg. wt., 1 1/2 lbs .
11 T 1312
Net 5.50

## CAR DEFROSTER GUN AND SCRAPER



Made of hi-impact red plastic with 10 foot cord and plug. 200 watt heat capacity gun plugs into cig* arette lighter, for 12 volt cars only. Imported. Shps. wt., 1 lb. 11 11402 Net 2.99

## Selected Auto Accessories

## AIRWAY COMPASSES

- No Holes to Drill - No Wiring Universal mounting bracket with pres. sure sensitive base for dash or windshield. Aviation type geared regulators, cunife magnets. Built-in battery light on illuminated models. Dial calibrated each 15 degrees. Black and chrome. Shpg. Wt., 1 ib.



## AUTO/MARINE BATTERY CLOCK

- Attractive Case-Chrome Bezel-Sweep Second Mand $10^{95}$



## OPERATES UP TO 1 YEAR ON SINGLE "C" CELL

A smartly designed and ruggedly constructed battery-operated clock designed for use in the car and cabin cruiser. Use it as a desk clock or take It with you on trips. Chrome bezel, with bright easy. to-read white face, has black markings and features a second pacing sweep hand. Employs a unique fiber mesh fastening arrangement on its base. Can be positioned on any metal, wood, plastic surface, including padded dashboards and yet is readily removable. Light in weight, only 13 ounces, this attractively styled conversation plece is mounted in a sturdy $31 / 4 \times 31 / 2 \times 21 / 2^{-2}$ gray plastic case. Wt., 1 10.
11 Y 1750
Net 10.95
99 I 6257 Battery for above
Net .14 tip regulators with 8 gears and special magnets to provide added accuracy and quick compensation. Design allows up to $30^{\circ}$ tilt. Calfbrated in 5 demree intervals. Universal bracket mounts in any position on all craft and vehicies. Rizid crystal clear plastic with gleaming chrome and black finish. lliuminated. Shpg. wt., 1 tb.
11 Y 6505 Net 4.95

## MAP MEASURER \& COMPASS

Just trace along route on map and multiply miles - per inch factor by reading on dial. Reads directly in inches up to $39^{\prime \prime}$. Built-in magnetic compass has cardinal and secondary points--full $360^{\circ}$ markings in tenths. Accurate and dependable. Complete with leather sheath. Imported. Shipg. wt., 8 02.

13 Y 4101
Net 1.49


## WALNUT TRIM - Heavy Gauge

Dress up the interior of your car with heavygauge, self-adhering walnut trim! Has a thousand-and-one uses; on boats, in the home, or around the office.
11 r $29506 \times 48^{\prime \prime}$. Wt, $1 / 2$ 10. $\qquad$ Net 1.59
$\qquad$ Net 3.19

## 11 「 $295112 \times 72$ ". Wt. 1 lb . <br> 12 VOLT BATTERY CHARGER <br> - For Autos, Boats, Trucks <br> - No Messy Hook-Up <br> 

Keeps any 12 -volt battery at full charge. Perfect for any car, truck, boat. Simply plug into cigarette lighter socket and connect to any regular electrical outlet. Boosts battery overnight... keeps battery warm... provides added power for laster starting. Delivers 1 amp maximum-automatically tapers off whlle battery is being charged. Compact design . . . for easy, permanent installation under dash. For negative ground, easily converted to positive ground. Handsome satin chrome finish. Shipg. wt., $11 / 2$ los.

## 11 T 4803

Net 4.19

## BATTERY BOOSTER CABLES

Standard equipment for starting stalled cars, charging batteries, etc. Made with heavy duty, flexible rubber-covered cable. Rugged cop-per-clad positive action grips identlfied by 8lack and Red heavy vinyi covered handles. Shpg. wt., 3 lbs.


## DELUXE AIRWAY

 UNIVERSAL COMPASS
## - Complete with Adhesive

 Plate for Windshield 195 Mounting fentures finger H-W
## MAGNA-CLOCK with ALARM

A beautifully styled car clock with powerful magnet in the base. Contour-molded plastic case has a convex glass front; clock pivots up to $90^{\circ}$. All hands and numerals are Iuminous. Imported 30 -hour movement with alarm is precision made and is not affected by magnet in the base. Easily removed and used wherever you go. Shpg. wt., $1 / 2 \mathrm{lb}$.
11 I 2205 (Silver)
Net 5.49
1112206 (Blue)
Net 5.49
11 12207 (Red)
Net 5.49

## GENUINE WASHING AND POLISHING SHEEPSKIN <br> - Size 18x24 Sq. Inches

 Washable, high grade, one.piece sheepskin. Glove tannage oiled processing makes it soft, pliable and long lasting. Meets government speclifications for cleaning, washing and polishing. Ideal for cars or around the house. 432 square inch surface makes it perfect for waxing and dusting too. Co'or fast no lint. Produced from Imported lamb and sheepskin.II T 2050
Net 1.89

## RADIO TRANSVERTER

Now you can avoid the expense of buying a car radio with this radio transverter. Simple to operate-remove 9 -volt battery from your translstor radio, connect contacts from transverter to battery contacts in the radio, and then plug into the clgarette lighter. Shpg. wt., 602.
11 r 4801 For 12 volt Cars $\qquad$
$\qquad$ Net 1.49
 AS

11 Y 29018 ft . long, set of 2
11 T 290212 ft . long, set of 2 $\qquad$ Net 1.29 11 T 290312 ft . long, 6 gauge copper cable Net 1.69 11 Y 2905 Set of Battery Booster Cable Clips (Red \& Black) Net .59

## SUPER-LENGTH EMERGENCY STARTING CABLES

Starts your car from front of stalled car to front of starting parked car. Set contains $1-22$-foot cable for positive connection and a 5 -foot cable for negative connection. Heavy duty Insulated cable grips. 11 I 1950 Stipg. wt., 4 los.

Net 4.69

## CIGARETTE LIGHTER PLUG

Run any 6 ano 12 volt accessory from cigarette lighter receptacle of your carbattery chargers, shavers, CB radios, trouble lights, etc. Also use to replace defective plugs. Imported. Shpg. wt., 8 oz. 99 T 8513 $\qquad$ Net .49

## SNOWMASTER TIRE CLEATS

set ot $2^{95}$ Road emergency, tire cleats that bite into ice and snow. Quickly and
 easily installed on most
 cars and light trucks. These cleats are not to be confused with chains. Hardened steel, heat-treated cleats are $1^{\prime \prime}$ wide $\times 11 / 4$ " long x 1/2" deep. Shpg. wt., 2 lbs.
11 r2850 (Set of 2)
Net 2.95
Tests any voltage system from 3-24 volts. Quickly find broken wires, loose connections, bad fuses, faulty sockets. Ideal for boat, auto and trailer owners.
11 T 3501 Shpg. wt., 3 oz.


SPARK PLUG TESTER utor cable. Doubles as screwdriver. Shpg. wt., 3 oz. 11 T 3502


HIGH PRESSURE GREASE GUN
Quality
grease gun using lever pump action. Will develop up to 3000 to. pressure. Push type fit. ting. Spring loaded barrel. 4 oz. grease capacity. Wt. 1 is los f4T 7014 $\qquad$


# LAFAYETTE Auto Antennas -- Accessories 

## POWER HOUSE AUTO ANTENNA $\begin{gathered}\text { Built-in } \\ \text { Booster }\end{gathered} \quad 385$ (for all cars) auto antenna designed to increase the range and signal strength of your auto radio. Built-in booster coil lets you tune twice as many sta. tions, TWICE AS STRONG! Stainless steel spring mount with. stands severe shock, eliminates constant replacement of broken antenna staffs. Swivel base permits mounting at any surface angle. Comes with $48^{\prime \prime \prime}$ lead cable. <br> 11 T 7107 Wt., $1 \mathrm{lb}, \ldots$. Net 3.85 <br> TOP-MOUNT ANTENNA FOR VOLKSWAGEN CARS

## - For 1967 Models

Three section top-mount antenna fits the prepunched hole which Volkswagen has incorporated into its 1967 cars. Extends to $38^{\prime \prime}$, collapses to $15^{\prime \prime}$. Chrome Dlated. Complete with $42^{\prime \prime}$ cable. Shpg. $\mathrm{wt}_{\mathrm{s}} 1 \mathrm{lb}$.
11 「 7413
Net 2.49

## "TENNAMATIC" ELECTRIC AUTO ANTENNA

- Electrically Raises and Lowers Automatically
- Eliminates Vandalism



## As Low As <br> 1 <br> $17^{50}$

 Operate the antenna at the fllo of a switch. Designed to fit most 12 volt cars. Mast extends to $35^{\prime \prime}$ and retracts to $11 / 4^{*}$. Antenna cable is copper shielded. External parts are plated with chrome. Posltive 15 lbs. thrust insures "free actlon" even in sub zero temperatures. Complete with cable, clips, brackets, switch and plate, screws, wiring harness and instructions. Shpg. wt., 6 lbs. REAR MOUNT- 18 feet of antenna lead and 20 feet electric harness.1177102
Net 18.95
FRONT MOUNT-54" of antenna lead and $72^{\prime \prime}$ electric harness.

## 1187101

Net 17.50

## DYNAMIC AUTO TENNA BOOSTER

## - For New Transistor Auto Radios

- Increases Radio Range and Reception
- Electronically Equivalent to $110-\mathrm{ft}$. Antenna
Increases the signal strength and range of your auto radio with the new Dynamic Auto Antenna Booster, Brings in distant and weak stations... stops station-fade. Installs easily in 4 simple steps, Fits all except 4 sect. Antennas. Shog. wt., $1 / 2 \mathrm{ID}$. 11 78502

(1) CONTINENTAL SINGLE SIDE MOUNT Continental single side mount. For trucks, Volkswagens and other foreign cars. Flexible adjustment with unique vertical locking. 3 section. Extends to $55^{\prime \prime}$ from 20". $32^{\prime \prime}$ le ad cable.
11 T 8801 Shpg. wt., 1 lb.
Net 2.49
(2) "FLEX-O-MATIC" UNIVERSAL ANTENNA Heavy-duty, bounce-back, spring mount. Fully adjustable-mounts anywhere. 3 sections. $63^{\prime \prime}$ extended. $28^{\prime \prime}$ collapsed. $48^{\prime \prime}$ lead.
11 T 7407 Shpg. wt., 2 lbs. ...........Net 3.29


## (3) UNIVERSAL MOUNT AERIAL

Can be mounted anywhere on car. Adjusts to any angle, 3 section, measures $20^{\circ}$ collapsed, extends to $59^{\prime \prime}$. Complete with $48^{\prime \prime}$ lead. 11 T 7411 Shpg. wt., $11 / 4$ lbs. ........ Net 2.19
(4) DISAPPEARING ANTENNA

For concealed installation. Extends to 52" from $612^{\prime \prime}$. Fully collapsible-only mounting protrudes. 54" lead
11 T 7402 Shpg. wt., 2 lbs. ............ Net 3.39
(5) LO-BOY DISAPPEARING ANTENNA

For shallow installations, foreign and sports cars. Takes ony $91 / /^{\prime \prime}$ below fender or deck. Extends to $25^{\prime \prime}$ collapses to $13 / 4^{\prime \prime}, 48^{\prime \prime}$ permanent lead. Shpg. wt., 1 lb

## 11 T7403

Net 2.1 ?

(9)
(10)
(8)
(6) OISAPPEARING KEY-TENNA

Slides completely into mounting base. Locks with key rendering the antenna theft proof. $161 / 2^{\prime \prime}$ below fender, ext. $43^{\circ}$. With $48^{\circ}$ leads; 2 keys. Shpg. wt.. 1 lb.
11 r 7404
Net 2.75
(7) DISAPPEARING FM-KEY-TENNA

3-section disappearing safety-lok antenna. Extends to $31^{\prime \prime}$ for IOD FM performance. Com. plete with $48^{\prime \prime}$ leads, 2 keys, Shpg. wt., 1 lb . 11 T 7412

Net 2.99
(8) SPRING BACK REPLACEMENT STAFF

One plece, stainless steel, spring mounted replacement staff. $271 / 2{ }^{\prime \prime}$ long overall. Mounts over stub of old antenna. Fits all cars. Simple set screw Ins tallation. Shog. wt., 8 oz . 1177406

Net 1.09
(9) REPLACEMENT ANTENNA STAFF

3 section $57^{\prime \prime}$ replacement staff. Telescoping staff replaces antenna lost through accident or vandalism. Mounts on stub of broken antenna. Simple lock on mount. Shpg. wt., 802. 11 T 7405

Net 1.29
(10) TOP COWL MOUNT

3 section antenna measures $22^{\circ}$ collapsed, and extends to $56{ }^{\prime \prime}$. Mounts on polyethylene insulator. With $54^{\prime \prime}$ cable.
1177401 Shpg. wt., $12 / 4$ ibs.
Net 1.99

## R REPLACEMENT LEADS

Replacement lead $54^{*}$ Universal. Shpg. wt., 1 lb .
11 T 7408 Net .99 Universal extension lead. $24^{\prime \prime}$
11 Y 7409 ......................... 69
Universal extension lead, $36^{\prime \prime}$ 1117410

Net 19

## ADAPTERS/JACKS/PLUES/CONNECTORS


(A) Adapter converts Motorola to Deico fitting 11 T 6601

Net .10 1176602
(B) Motorola jack Net . 18 11 T $6603-$ (C) Motorola plug Net.... Net. 10
Antenna conneetor (D) Spring-loaded. Use Net. 10 between lead-in and auto radio. 11 T 6604

Net .16


For all 6 and 8 -cylinder cars to suppress wide band pulse noise created by the distributor, spark plugs and generator "hash". Includes spark plug suppressors, generator and light or ammeter by-pass capacitors. Complete with easy installation instructions. Shpg. wt., 6 oz .
11 T 7105 for 6-cylinder cars ........ Net 2.39 11 Y 7106 for 8.cylinder cars ........ Net 2.79

## UNIVERSAL 6 \& 12

## VOLT VIBRATORS

Direct replacements for most popularly-used types. All brand new factory- fresh stock. Made by lead. ing national manufacturers. Fully guarenteed. All types may be assorted for quantity prices. 6.VOLT 4-PRONG

Replacement for MALLORY 294, 859, 901 M , Radiart 5300,5301 and many others. 32 Y 5601 Shpg. wt., $1 / 2 \mathrm{lb}$.

| Lots of | $1-4$ | $5-9$ | $10 \neq$ |
| :--- | :--- | :--- | :--- |
| Net ea. | 1.99 | 1.89 | 1.79 |

12-VOLT 3-PRONG
Replacement for Buich, Olds, Pontiac and 6 M part no. 122-0155; Mallery G874, Co 6330, Delco 8550; and Vokar 3129.
32 T 5602 Shpg. wt., 1/2 lb.

| Lots of | 14 | $5-9$ | $10+$ |
| :--- | :--- | :--- | :--- |
| Net ea. | 1.99 | 1.89 | 1.79 |

12-VOLT 4.PRONG
Replacement for Mallory G859. Motoroia 45822000 , Philco and Mopar $83-0025-1$. ATR 1840, Vokar 4124; and most later 12 -volt carradio vibrators,
32 T 5603 Shpg. wt., $1 / 2 \mathrm{lb}$.

| Lots of | 1.4 | 5.9 | $10+$ |
| :--- | :--- | :--- | :--- |
| Met ea. | 1.99 | 1.89 | 1.79 |

## MALLORY REPLACEMENT VIBRATORS

Replacement for all popular sets. Consult "Mallory Vibrator Guide" for correct replace. ment unit.

| Stock No. | Type No, | Netes. |
| :---: | :---: | :---: |
| 33 T 1104 | 6 VolTS |  |
| 33 T 1106 | 1601 | 2.82 |
| 33 Y 1107 | G1501 |  |

## Selected Popular Specialties



Ideal for terhnicians, inspectors and hobbyists. Precision grourd and polished lenses for very close work without eyestrain. Headband adjusts to any head size. Lenses can be changed with pushbutten ease for three magnifying powers. Flip up viewer may be worn ovar eyeglasses. Supplied complete with 3 lenses - $2 x^{\text {, for }} 9^{\circ}$ working distance; 2.5 X for $54 / 2^{\prime \prime}$ working distance; and $3 X$ for $42 / 2^{\prime \prime}$ working distance. Imported.

## 99 T 7206 Shipg. wt. 1 lb

Net 8.55

## LAFAYETTE OPTICAL MICROMETER

- Pocket sized Comparator
- Direct measurements to .005"
- Measures Diameters - Radii - Angles
- Linear scale in inches

High quality optical micrometer using a triplet tens system of approximately 7 power. Triplet system affords a wide flat field of view. Extremely accurate reticle of etched glass. Unaffected by changes in temperature and humidity -impervious to oil, solvents and scratches. 0.5 inch linear scale calibrated to .005 inch. 10 mm scale calibrated to .2 mm . Hole diameters from $\mathrm{X}_{\mathrm{e}}$ to $\mathrm{K}_{\mathrm{c}}{ }^{\prime \prime}$ and from . 005 to $.05^{\prime \prime}$. Thickness scales from $x_{4}$ to $1 / 4^{\prime \prime}$. Radil from $k_{c}$ to $\chi_{3^{\prime \prime}}$ and angles from 0 to $\mathrm{S} 0^{\circ}$. Measures instantly-without adjustments. Accurate to edge of $\mathbf{1 "}^{\prime \prime}$ field. Adjustable focus. Reticle removable for use as highpower magnifier. Infinite uses in tab and Industry. Complete with leafther case. Imported Shpg. wt. $6 \mathbf{0 z}$.

## 99 T 7075L

Net 7.95

## RUBBER TYPE SET

An easy to use printing kit that comes complete with 14 -point ( $1 /{ }^{\prime \prime}$ ) rubber type. 22 numerals, over 100 capital letters, punctuation marks, ink pad and tweezers. Print anything from one to four lines long. Special "tase-fock" type for perfect alignment. Neat, clean, and ciear results. Many printing uses in the home of business. Instructions included. Shor. wt.. $11 / 2 \mathrm{lbs}$. 15 T 6001

## Only 795

 Extra set of (y) rubbertype. 22 numerals, over 100 capital letters, punctuation marks.

## 15 T 6000

Net 2.25

## PORTABLE ILLUMINATED MAGNIFIER

- Extremely Bright Field
- 5X Magnification
- Compound

Lens Type

- $2^{n}$ Field!


A fixed-focus Illuminated magnifier-magnifies work 5 times. Field of vision is $2^{\prime \prime}$ at $120^{\prime \prime}$ working distance. Magnified area eas ly accessible through cut out. Invaluable in stamp or coin collecting, photography, entymology minerology, etc. Excellent map reader. Completely portable-uses two No. 2 cells for power. Weight $3 / 4 \mathrm{lb}$. Length $82 / 2^{\circ}$ overall. Imported. Shpg. wt., $11 / 2 \mathrm{Ibs}$.

## 99 T 7021

99 I 6256 Battery (2 required)

## FRACTION ADDING MACHINE

Continuous adding or subtracting of fractions, decimal equivalents, or mixed fractions and dec. imals. Answers shown instantly. Invaluable for the shop and technical school, office, factory, machinists, designers, draftsmen, and engineers. Made of satin-finished aluminum-only one moving part-numbers and lines etched and filled for years of trouble-free service. Complete with plastic case and instructions. Shpg. wt. $1 / 2$ th. 1371701

Net 2.39
Net 2.95
Net ea. 15

## MAGNA SIGHT-MASTER 3-D BINOCULAR MAGNIFIER

- Leaves Hands Free
- Reduces Eyestrain
- 3-Dimensional
- Can be Wom With
or Without Glasses

As Low As 495

A precision optical instrument enabling anyone to do very close work and see it clearly in 3 dimensions. Adjusts to any head size comfortably. No moving parts to replace. Ideal for hobbyists, repairmen, inspectors and technicians. Available in 4 sizes. Imported. Shpg. wt., $1 / 4 \mathrm{lb}$.

| 15 T 2005 | 1.75x, 14" | Working Distance | Net 4.95 |
| :---: | :---: | :---: | :---: |
| 15 T 2006 | 2.25X, $10^{\circ}$ | Working Distance | Net 4.95 |
| 15 T 2007 | 2.75x. $8^{\prime \prime}$ | Working Distance | Net 5.49 |
| 15 T 2008 | $3.5 \mathrm{x}, 4^{m}$ | Working Distance | Net 5.99 |

## "HEAD LIGHTS" t.m.

- Ideal Illumination-
Leaves Your
Hands Free

Illumination device leaves hands free for work... especially useful in poorly lighted areas. Features brilliant dual Itghts mounted on eyeglass frames, Ideal for home, workshop, office, etc. Can be used with regular glasses. A boon for stamp collectors, artists, watch repairers. Also permits reading in bed without disfurbing others, Power supplied by a convenient battery pack. Accepts two standard "C" cells.
15 T 3750 Shpg. wt., $1 / 2 \mathrm{lb}$.
Net 4.50
99 T 6257 " C " Batteries (2 required)

## MICRO-VIEW MAGNIFIER

- 2X to 9X Variable Power
- Engraved Metric and Inch Scales
- Folding - Portable - Compact
- Highly Corrected Lens Systems A portable. compact magnifier ideal for thousands of uses-coins. maps. stamps, rocks, gems, material, engraving, etc. Adjusts for neap. far or normal sight from 2 to 9 power magnification. Two engraved measurement gauges. Black enamel finish-folds to a compact $1.6^{\prime \prime} x$ $1.7^{\prime \prime} \times 8^{\prime \prime}$. Imported. Shog. wt.. 602 99 「 7167 ..................................... Net 1.99


## PROJECT-A-SCOPE

- Projects Giant Pictures in Color or Black and White
- Films or Negatives Not Needed
Handsome projector molded of heat and abuse resistant. hi-impact plastic for
 long life. Casts sharp, giant-size enlarge-
 ments on any white wall or screen in brilliant color or black and white. Simple to operate. Can be used by students, artists, lecturers and demonstrators. Children can project comics or story books to amuse themselves and their friends. Uses ordinary household bulbs. U/L listed. 110 volts, AC-DC. Shpg. wt., 2 tbs.


## 15 Y 5001

## 12 PIECE MARKING PEN SETS

- Giant Size Pens - NyIon Tipped Quick drying, non-toxic water colors that will mark on most anything. Completely safe for children. Ideal for schools, homes, and industry, and artists. In handy carry box. Set of 12 as sorted colors, red, black, blue, green, yellow, purple, orange, brown, pink, gold, light blue, and turquolse.
15 t 7301 Shpg. wt. 1 tb.
Net 1.99



## Ladies' And Men's Watches



## Aself winding 17 Jewel day and date CALENDAR WATCH

Just set it and forget it! Delure Swiss watch is self winding, and automatically changes the day and the date. Precision made 17 jewel movement is shock and water resistant, antimagnetic and features an unbreakable mainspring. Case is a handsomely styled gold tone with a stainless steel back and a match. ing expansion band. Easy to-read dial features the date in red and the day of the week in black, raised gilt numerals on an atractive white dial face and a sweep second hand. Shpg. wt. 802.

13 T3128L
Net 32.95
(B) 17 JEWEL

WRIST ALARM WATCH

Elegantiy styled, Swiss made wrist alarm serves as an auto. matic reminder anytime-anyplace. Dependable 17 jewel movement is water and shock re. sistant, antimagnetic and features an unbreakable mainspring and radium dial. Case is gold tone with stainless steel back. or all staintess steel. Both with genutne Hizard band. Dial has ralsed gilt numerals on a white face with a sweep second hand. ShDg, wt., 802 Stainless Steel Case 13T3114L Gold Tone Case 13131151

Net 32.95
Net 32,95

## (C) 17 JEWEL DOUBLE-BUTTON CHRONOGRAPH WATCH

Precision made 17 jewel Swiss chronograph is ideally suited for accurate elapsed timing of sporting events, scientific experiments, etc. Features a tachometer for measuring speed, a telemeter for measuring the distance of sound and a stop watch with a 30 minute register and a sweep second hand. Accurate. dependable movement features an unoreakable mainspring, is water and shock resistant, dustproof and antimagnetic. Bright chrome case with a stainless steel back, raised numerals, and a genuine leather strap.
13 T 3113 L Wt., 8 o2.. Net 32.55

## (D) HANDSOME 17 JEWEL CALENDAR WATCH


#### Abstract

Luxuriously styled calendar watch provides a smart dressy appearance for any man. Accurate, dependable timepiece features a 17 Jewel Swiss movement with an unbreakable mainspring. Watch is water and shock resist. ant, antimagnetic and is housed in a highly polished gold tone case with a stainless steel bach. Also features a handsome, matching expansion band, white dial face with raised gilt numer. als, a sweep second hand, and a convenient, easy to read date


 window. Shpg. wt., 802.13 Y 31291
Net 19.95


## © Day and date CALENDAR WATCH

Tell the time, day, or date at a glance with this elegantly styled Swiss made calendar watch. Pre. cision movement is shock resist. ant and antimagnetic. Watch features an unbreakable mainspring. water resistant high polish goid tone case, handsome white dial face with ralsed gilt numerals, easy to read red day-black date, and a sweep second hand. 13 T 3130 L Wt. 8 oz. Net 10.95 (f) Lady's Day/Date Catendar - Similar to above but lady's model. Ideal as a matching set with the mens watch
13 T 3131 L .
Net 10.95

## Gelegant 17 Jewel

 LADIES WATCHLuxuriously styled richly detailed 17 jewel watch, for the look of elegance every woman desires. Round case is finished in a shinIng, high polish gold tone and comes with a beautiful matching, tapered bracelet that circles the wrist with glamor. Precision crafted Swiss movement is shock absorbent, antimagnetic and features an unbreakable mainspring for years of accurate, dependable service. Ivory colored dial face with raised gilt numerals. combines legibility and exquisite taste. Shpg. wt., 802.

13 T3132L
Net 25.95

## (H)fashionable 17 Jewel LADIES WATCH

The glamorous styling of this lovely 17 jewel ladies watch adds a truly fashionable note of elegance to any woman's wrist. Richly designed, square shaped case is finished in a sparkling gold tone. Comes with a luxurlous matching mesh bracelet. Precision crafted Swiss movement is antimagnetic, shock and water resistant, and features an unbreakable malnspring for greater accuracy and durabillty. White dial and gold color hands is convenient and easy to read. Shpg. wt., 802.

13 T 3133 L

## (1) FREE FORM LADIES PENDANT WATCH

Exquisite free form pendant watch is boldly beautiful on sweaters or sllks. Luxurious. gleaming gold tone finished case comes complete with an attrac. tive, matching chain. The movement is a product of fine quality Swiss craftsmanship. The watch is water and shock resistant, antimagnetic and features an unbreakable mainspring for more accurate operation over the years. Features an elegant white dial face with raised gilt "dots" for an added touch of-luxury. Shpg. wt., 802.
13 T 31341
Net 9.95

# SPORTSMAN'S CALENDAR WATCH 

## SWISS PRECISION CRAFTED

- Also Available In Lady's Model
- Pressurized Waterproot Case
- Automatic Daily Calendar Handsome wristwatch especially designed for the sportsman who is apt to get his watch wet-fishermen, hunters, or skin divers. He:metically sealed pressurized waterproof case provides maximum protection for precision timing under adverse conditions. Movable outer bezel permits easy uming of events, parking meter time, or elapsed submerged time. Swiss crafted anti-magnetic shock protected movement features automatic daily calendar, unbreakable mainspring.
- Parking Meter Time
- Luminous Marker and Hands
and sweep second hand. Luminous hour markers and hands for high visibility. Pollshed
chrome case, stainless back, and comfortable waterproof strap. Imported. Shpg. wt., 8 oz. 13 T 3118 L Men's ........................ Net 11.95 Ladies Model-Simllar to above 13 T 3126 L

Net 12.95 Same as above men's watch but with 17 lewel movement.

Net 21.95

## Low As 195

An Automatic
Underwater Wat

DELUXE SPORTSMAN'S WATCH WITH WORLD TIMER

- Accurate Swiss Movement
- Automatic Day-N-Date Calendar
- Stainless Steel Band

Designed for the active sportsman! Tell the time, day and the date at a glance. Revolving berel lets you know the time in 26 citles around the world, and also operates as a 60 min . elapsed timer. Features a tetemeter scale, a sweep second hand and luminous hands and dial markers. Rugged, precision timeplece is waterproof, shock resistant, antimagnetic and has an unbreakable mainspring. Case is finished in bright chrome with a stainless steel back and a matching stainless steel band. Shpg. wt., 8 oz. 13 T 3127 L

Net 17,95

## PRECISION-SWISS STOP WATCHES

## I $1 / 10$ SECOND TIMER

Designed for close timing. Large hand registers $1 / 10$ of a second. up to 30 seconds; small hand reads minutes, up to 15 . Start. stop. and continue from crown; instant zero. 7 Jewel movement. Chromium plated case. Shpg, wt., 8 oz . Imported.
13 T 3103 L
Net 11.50
Same as 13 T 3103 (above) except I jewel.
Net 9.95

## 81/5 SECOND TIMER <br> - Ideal for Sports

Second hand repisters $1 / 5$ of a second and completes turn in 60 sec onds. Small hand indicates up to 30 minutes. Side sllde starts and stops hands. Fast resetting dependable 7 -jewel movement. Shpg. wt. 8 oz . Imported.
13 T 3104 L
Net 11.50
Same as 13 T 3104 (above) except 1 lewel.
13 T3105L
Net 9.95

## c TRACK TIMER $1 / 10$ SECOND

Excellent for athletics. The second hand indicates tenths of a second and seconds, and completes one turn in 10 seconds. The small hand registers up to 10 minutes. Start, stop. and reset by successive depressions of the crown. 7.jewel movement. Shpr, wt., $8 \mathbf{0 2}$. Imported.

## 13 T 3106 L

Net 14.95
Same as 13 T 3106 (above) except 1 jewel. 13 T 3107 L

## D DECIMAL TIMER

Ideal for Industrial time-studies. Easy-to-read outer dial divided in $1 / 100$ of a minute registering up to one minute. Inner dial graduated in minutes and registers up to 30 minutes. Push button, for timing out. brings both hands back to zero. Pressures on the crown will consecutively start. stop and again start the timer. Dependable 7 jewel movement. Swiss made. Shpg. wt.. 8 oz.
13 T 3101 L

## PEDOMETER

- Leather Strap Attaches To Ankle
- Range 0-24 Miles
- Ideal For Hikers, etc.

Do you walk a lot? Want to know how tar? This easy to use pedometer is the answer. A precision instrument, no larger than a wristwatch, accurately registers up to 24 miles. Easily reset. Complete with ankle strap and Instructions. Weighs $21 / 202$. Made in West Germany. Shpg. wt., 80 oz . 12 T 5100L

Net 4.49



## PEDOMETER

- Range 0-25 Miles
- Ideal For Hikers, etc.
- Clips To Belt

Fine quality pedometer accurately registers distance you have walked in quarter mile increments from 0 to 25 miles. Large easy to read dial. This precision instrument comes with clip for wearing on belt. Easily set, simple to use. A must for those who want to know their distance traveled. Shpg. wi., 8 oz .
 13 T 3112L
.. Nel 5.95


## (A) CORDLESS ELECTRIC PENDULUM CLOCK

Fresh new approach to an old favorite-Battery operated with a swinging pendulum. Pendulum is both decorative and an integral part of the time reeping mechanism. Wood case is birch fintshed with ebony roman numerals, ornate hands and decoration on white track for easy readability. No cord, plug, or winding key. Operates for a year or more on one " $D$ " cell. $133 / 4 \mathrm{Hx}$ $83 / 4 W \times 11 / 2^{\prime \prime} D$
13 T 3050 W Wt. 3 lbs.
Net 13.95
Battery for above
99 T 6256

## [D "GRANDFATHER" CORDLESS ELECTRIC PENDULUM CLOCK

Warm walnut American styling for a charming biend of accuracy and handsome traditional design. Beautifully accented handsome spun gold and ivory dial with smoked antique Federal mirror complements the graceful motion of the golden swinging pendulum. Carved walnut ralsed trim is crowned with an agle to complete this elegant timepiece. Runs up to one year on a single "D" cell. Size: $52 \mathrm{H} \times 11^{\prime \prime} \mathrm{W}$. Shpg. $w t ., 5 \mathrm{lbs}$.
13 T 3052 W
Net 29.95

0

## CORDLESS ELECTRIC

 PENDULUM CLOCK- Operates a Year on Flashlight Battery
Handsome pendulum clock in walnut finished hardwood with contrasting ebony line design. Features unique two piece construction with smart, trim hands on a white dal face. Sleek golden pendulum is an Integral part of the precision time keeping mechanism. No cord, no plug, never needs winding! Dimensions: $211 / 2 \times 10^{\prime \prime} \mathrm{W}$. Wh., 6 los. 13 T 3051w Net 16.95
Battery for above 99 T 6256

C

## CORDLESS ELECTRIC

 DECORATOR CLOCKDecorative wall cloch, delicately styled to accent any room with a thoroughly modern look. Large, genuine solid walnut, diamond shaped spokes and narrow spears on a polished brass frame extend out from the dial in a dramatic sumburst pattern. Circular finished brass dial is enhanced by a star. studded black center. Polished brass hands accurately indicate the time. Dependable, maintenance-free American-made transistor movement runs sitently. Operates on one "C" battery for a full year. Diameter 26 " 13 T 4475 w Shpg. wt., 7 lbs......... Net 16.95
99 T 6257 Battery for above

99 T 6256 Battery for above
Net .15

## TV LAMP CLOCK

Ideal for use on a $T V$ cabinet, in the kitchen or baby's room. Provides soft illumination and precise time. Attractive sturdy plastic case with gold trim. Size: $4 \times 7 \times 37 / \mathrm{m}^{20}$ Deep. Shpg. wt.. $31 / 2$ lbs. UL listed. 110 V . 60 cycies.

14 T 6001 Walnut ...... Net 9.95 14 T 6002 White
CLASSIC COAT OF ARMS


- Die Cast Aluminum
- Brass Finish


## Only $21^{50}$

Decorator designed to en. rich your home with new beauty! Made of cast alu. minum; brass finished. baked and lacquered for lasting beauty. Rampant Britanic lion with authentic battle axes and sword fitted into rear of shield. comes complete with hooks for hanging. Ideal for both in. doors and out. $30 \mathrm{H} \times 24^{\prime} \mathrm{W}$. Shpg. Wt., $71 / 2 \mathrm{ibs}$. 13 TE752 W Net 21.50

- Die Cast

Aluminum - Brass Finish

## AMERICAN EAGLE WALL PLAQUE

An exceedingly handsome timepiece in contemporary design . .. Its fresh, clean lines will enhance any setting! The swinging pendulum glides gracefully and the movement with gold spun dial appears to float in space against the walnut shadow box case with contrasting ebony Feltron background. No wiring or unsightly cords to detract from your decor. may be placed anywhere without costly installation. Operates on standard "D" battery. Dimensions: $73 / 4 \mathrm{~W} \times 20 \mathrm{H} \times 2122^{2} \mathrm{D}$. Shpg. wt., 4 lbs.
13 T 3053W
Net 26.95
99 T 6256 Battery for above
Net .15

## 24-HOUR ELECTRIC WORLD CLOCK



## - Adjustable for Various

Time Zones

- South Polar Projection Self starting, accurate electric cloch. Tells world-wide and local time, Calibrated in hours - 1 to 24, minutes and seconds - 1 to 60 . Black dial with white graduations. $8^{\circ}$ overall diameter. Chrome plated case. UL listed. 110 V . 60 Hz . AC. 13 T 2602 Shpg. wt., $11 / 2$ lbs. Net 8.95


## Weather Instruments for Year-Round Comfort

Three accurate dial-type instruments report barometric pressure temperature, and humidity. Finely efched precision calibrated alu. minum dials for easy reading. Heavy metallized finish has the warm glow of polished brass. Mounted on wood-grained panel $15 \frac{1}{2} \mathrm{x}$ $5 \neq 4 \mathrm{~m}$. For horizontal or vertical mounting.
13 T 4001 Shpe. wt., 2 lbs.

## EXECUTIVE DESK WEATHER CONSOLE

Luxurious desk weather station features three distinctively styled spun gold dials with red twin arrow indicating needles. Accurately reports temperature, barometric pressure, and humidity. Antique white outer case has rich wood grained background with polished gold bezels. Size: $115 / 8 \times 31 / 2^{\prime \prime}$
13 T 1609 Shpg. wt., 3 lbs. $\qquad$ Net 9.95 C

## deluxe weather station

Strikingly handsome collection of three fine instruments skillfully crafted into a central weather reporting station. Utilizes a precise and sharply calibrated thermometer, barometer, and humidity meter. Each instrument reflects the warm glow of polished brass. Richiy grained lustrous panel. $20^{*}$ tall case may be vertically or horizontally mounted.
13 f 4002 Shpg. wt., 5 ibs $\qquad$ Net 14.55
D INDOOR OUTDOOR THERMOMETER AND HUMIDITY MEIER Richly appointed precise instrument reports indoor as well as outdoor temperature plus indoor humidity. Richly grained $14^{\prime \prime}$ tall case enhanced by deep luster finish. Metal scale and dials. Supplied with $48^{\prime \prime}$ outdoor cable and humidity guide. 13 T 4003 Shpg. wt., 2 lbs. $\qquad$ Net 7.50

## decorative wall thermometer

Smartly styled double thermometer featuring large, easy-to-read fahrenhelt and centigrade temperature scales. Has bright spun gold bezel on a decorative wood grain wall panel. 13 T 1607 Shpg. wt., 3/4 10.

## DECORATIVE WAL HUMIDITY INDICATOR

Rich gold bezel on a handsome wood grain panel. Precision indicator needie accurately pinpoints the percent of humidity as well as "dry, moderate, or humid" weather comfort zones. 13 T 1606 Shpg. wt., $3 / 4 \mathrm{lb}$ $\qquad$ Net 2.35


## RAIN GAUGE

- Keep Record of Total Rainfall
Precision rain gauge designed to give accurate rainfall records. Unique "chisel" shape permits recording of minute quantities. Easily operated cumulative rainfall Indicator. Scale graduated up to $51 / 2$ inches. Scale in black numerals. With instructions for mounting and use, to obtain weather-station accuracy to $1 / 10$ th of an inch. Overall length $101 / 4^{\prime \prime}$, width $21 / 2^{\prime \prime}$. Shpg. wt. 802.
13 f160:
Net 1.59



## MAXIMUM-MINIMUM THERMOMETER



- READ: Present, High, Low Temp.

For weather enthusiasts-gardeners-farmers, efc. Gives three readings at a glancemaximum, minimum and present temperatures. Self-registering - no knobs-magnets -or push buttons needed for reset. Marnifying lens case for ease of reading. Maintains automatic check on temperature variations. Makes you the local weather expert. Shpg. wt., 1 lb.

## 13 T 1603

 Net 5.65REMOTE READING THERMOMETER. Same as above but with remote "sensor" for comfortable indoor reading of outdoor tempera. ture. Includes mounting bracket and instructions.
13 T1604
Net 7.50

## Duyer WIND SPEED INDICATOR $24^{95}$

- For All Sportsmen, Yacht Clubs, Gun Clubs, Fishing and Hunting Camps
- Great For Pilots

Wind velocity registered by .liould filled tube. Calibrated in both MPH and Beaufort Scale. No calculations. reads just like a thermometer. Vane-type external fittings must be mounted on outside elevated point.

## IN-OUTDOOR THERMOMETER

 Shows Inside and outside temperature from the comfort of your room. Inside location Ideal for quick easy reading. Single scale for Instant comparison. Modern plastic case. $8 x$ 21/2x48" lang copper capillary tube and bulb. Large numerals for easy reading. No moving parts to become worn. wt., $1 \mathrm{lb} . \quad$ Net 2.55 POCKET THERMOMETER


Ideal for the laboratory, factory, etc. Mercury type-total immersion. White scale with black numerals. Sub-divided by $2^{\circ}$ F. Polished nickel-plated case; tube length $51 / \mathbf{R}^{\prime \prime}$. ShDR. wt. . 4 oz.
15 I 4001 Range: $-30^{\circ}$ to $120^{\circ} \mathrm{F}$ Net 2.39 15 f 4802 Range: $0^{\circ}$ to $220^{\circ}$ F Net 2.39


Attractive gray indicator features jet black calibrations. Supplied with 50 ft . tubing to connect outer unit to gauge. Gauge Size: $7 \% \times 57 / \mathrm{ex}^{1 "}$ 13 T 6250 Shpg. wt., 3 lbs. . Net 24.95

# Drafting \& Drawing Supplies 



## TECHNICAL DRAFTING SET

- Center Wheel Adjustment
- Professional Quality
- Made in W/Germany of Nickel Plated Brass
Contains 615" self-centering compass, one leg knuchle joint with divider, pencil, pen parts and lengthening bar; 61/a" self-centering divider; spring bow divided $41 / 8 *$, center wheet adjustment with interchangeable needle points; spring bow pencil and spring bow pen, both 41/8" with center wheel ad. justment and interchangeable needie point; two 53:" ruling pens; extra handle for pen and pencil parts; adjustment tool; lead case and leads; and spare parts hit, all in velvet lined snap closing case.
9917003 Shpg. wt., 1 12 lbs .
7.95


## draftette PORTABLE DRAFTING MACHINE



- Precision Instrument

DRAFTETTE 9 9.B-sketch draft, design, draw diagrams and schematics like a professional. A new ORAFTETTE which gives you all the advantages of a T-square, triangle and protractor in a compact, easy to operate portable drafting machine. Constructed of anodized aluminum, features tubular arms, $360^{\circ}$ protractor, one-piece $6^{\prime \prime} \times 9^{\circ "}$ scale calibrated in 16 ths-1/8-1/4. Mounted on a lightweight $16^{\circ} \times 21^{\prime \prime}$ drawing board, completely assem. bled ready to use. Shpg. wt., 4 lbs.
15 Y 7401
Net 15.95

## draftette pORTABLE DRAFTING MACHINE



- Mounted on $11 \times 17^{\prime \prime}$ Hardwood Board
Draftette $\$ 117$ portable drafting machine with interchangeable one-piece aluminum $4 \times 6^{\prime \prime}$ scale, calibrated in 16 th, $1 / 4$ and $1 / 8$ or $10 / 50$ ths (eng.) and Metric. Full 360 - protractor. Precision all-aluminum construction gives you a rugged and accurate machine. Ideal for schematics, layouts, etc. 15-7 7406 Shpg. wt.. 3 lbs. $\qquad$ Net 8.95



## UTILITY DRAFTING SET

- Side Wheel Adjustment
- Made in W/Germany of Nickel Plated Brass
- Professional Quality

Made in Germany of hard rolled, nickel plated brass. All instruments are nested in a fitted, velvet lined case. Contains three side wheel 33/4" bow instruments-one a divider, one a pencil and one a pen. All have reversible needle point. $51 / 4$ " compass with pen and pencll parts-and lengthening bar. $51 / 4$ " divider with straightening device. $5^{\prime \prime}$ ruling pen. Extra handie for use with pen and pencil parts. Capsule with extra leads. Perfect for school, labs, industrlals. Shpg. wt., 1 tb.
99 Y7164 Net 3.95

## draftette SKETCH KIT



- Mounted in Vinyl Binder

A completely portable drafting drawing machine permanently mounted in a Vinyl binder (self-locking). A weather protected unit, it can be used for sketching, designing, drawing, and drafting. Great for traveling. Contains a precision portable drafting instrument with a $4 \times 6^{\prime \prime}$ scale, $360^{\circ}$ degree protractor, pad of 50 sheets, drawing-tracing paper $81 / 2 \times 11^{\prime \prime}$, pencil, all in one compact binder. Does not require tape or tacks to hold paper in place for use. Only $91 / 2 \times 13 \times 1$ ". Shog. wt., 3 lbs.
1517402 Net 8.95

## PORTABLE DRAWING KIT



- Can Be Carried or Stored A folding portfolio convenlently carried or stored. Includes a 12 -inch T -square, a $180^{\circ}$ protractor, a 6 -inch French curve, a 4 -Inch $45 / 90^{\circ}$ and a 4 -inch $30 / 60^{\circ}$, a 50 -sheet drawing pad and drawing pencil. Plastic portfolio is $9 \times 131 / 2 \times 1 \frac{112 " .}{}$. Tools housed in separate pockets. Shpg. wt., 3 lbs.
15 T 1433 $\qquad$

PROFESSIONAL GIANT BOW

- 6" Size with Center Wheel Adjustment
- Finely BalancedProfessional Type
- Made in W/Germany of Nickel Plated Brass

Professional quality utility set in a fitted, velvet lined case. Made in Western Germany of nickel plated brass. 6" glant bow has preferred center wheel adjustment. Makes circles from $1 / 8^{\prime \prime}$ to over $10^{\prime \prime}$ in diameter. Set includes $6^{* *}$ giant bow, interchangeable pen and pencil parts, extra needle for using bow as divider, handle for use with pen and pencil parts, lead, lead box and repair parts. Shpg. wt., 1 lb.
99 Y 7063
Net 3.95

## SUPER DRAWING KIT



Contains all the necessary equipment for drafting, mechanical drawing, designing. Sturdy accurate components. Includes $18 \times 24^{\prime \prime}$ drawing board, $24^{\prime \prime}$ i square, $10^{*}$ $30^{\circ} / 60^{\circ}$ trlangle, $8^{\prime \prime} 45^{\circ}$ triangle, french curve, $12^{\prime \prime}$ triangular rule, $6^{\circ "} 180^{\circ}$ protractor, 4 pencils, pencil pointer, erasing shield, thumb tacks, and art gum.
15 Y 5701 Shpg. wt., 10 lbs. $\qquad$ Net 7.95

## HARD MAPLE PANTOGRAPH

For Enlarging, Reducing, Reproducing


[^12]A 21" adjustable pantograph with 21 dif. ferent ratios from $1^{1 / 9}$ to 8. Enlarges, reduces or reproduces drawings, etc. Most rapld, accurate means of reducing or eñlarging to scale. Lacquered highly finished bars are $21^{\prime \prime}$ long and $3 / 4^{\text {" }}$ wide. Heavy ball bearing standard. Chrome plated hardware, ratlo thumb screws and nuts. Complete with lead, accessories and detalled instructions. Shog. wt., 2 lbs.
15 T5602 $\qquad$ Net 4.95

## 31" PANTOGRAPH

Similar to above except 31 " long, with 32 ratios. Complete with accessories and instructions.
15 Y 5606
Net 6.95

## Drafting \& Drawing Supplies

DatarINSTANT LETTERING KITS As Low as 250
Sharply defined $1 / 8^{\prime \prime}$ high, Gothic typeface letters, numerals, and most often used elec tronic terms. Transfer easily and cleanly onto any smooth, dry surface-paper, metal, plastic, wood, or glass. Not a decal, goes on instantly without water or tapes. Leaves no Dackground haze or film. Looks llke it was printed on! Hundreds of characters on $3 \times 55^{\prime \prime}$ sheets in each set. Shpg. wt., 6 oz.


| Stock No. | $\begin{gathered} \text { Migr. } \\ \mathrm{No} \text {. } \end{gathered}$ | No. of Sheets | Kit Includes | Color | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 32 T 7504 | 9581 | 24 | Letters, words | Black | 4.95 |
|  |  |  | Numerals |  |  |
| 32 T 7505 | 9591 | 24 | Letters, Words | White | 4.95 |
| 32 T 7508 | 9601 | 12 | Alphabets Only | Black | 2.50 |
| 32 T 7509 | 9611 | 12 | Alphabets Only | White | 2.50 |
| 32 T 7510 | 9621 | 12 | Numerals Only | Black | 2.50 |
| 32 T 7511 | 9631 | 12 | Numerals Only | White | 2.50 |

## METER ANO DIAL MARKING KIT

Contains $125^{\prime \prime} \times 7^{\prime \prime}$ sheets- 4 different sheets in 3 colors, black, white and red. Sheets have switch patterns, arcs, graduation lines, letters and numerals etc. for marking rotary and standard switches and dials, etc.
32 T 7501 per package
Net 4.95
OATAKDAT PROTECTIVE COATINGS. Maximum protection for instant lettering.
32 T 7506 Protective Coating Kit
Net .99
32 T 7507 Protective Coating Kit (16 oz. spray can)
Net 2.95


Lafayette's llluminated ball point pen for taking notes even in the dark. For law officers, reporters, students. Lightweight, easy to grip, normal size. Uses iwo "N" batteries and cartridge ink supply. Complete with batteries and 2 cartridges. Brushed chrome finish. Imported. Shpg. wt., 4 ozs.

## 99 T 7185

Net 1.69
32 T 4875 Batteries for above (2 Req.)
99 T 7191 Pgk. of 2 Refills

## DRAFTING TEMPLATES


electronic template. Exceptionally accurate! Made to I.I.C. standards. All elements of electronic and CR tubes are provided for-plus tube bases for 7,8 and 9 prong tubes. Includes transistors, diodes, rectifiers, plugs, etc. Covers all symbols. Size: $7 \times 5^{\prime \prime}$. Thickness: . $030^{\prime \prime}$. Shpg, wt., 4 ors. 15 T 4301

Net 2.19 TRANSISTOR OUTLINE TEMPLATE 27 sizes of transistors with designating numbers. Indicates lead configurations corresponding to each outline. Size: $91 / 2 \times 51 / 2^{\prime \prime}$.
15 T 4307 Shpg. Wt., 40 oz.
Net 2.29
ELECTRICAL dRAFTING TEMPLATE. Conforms to MIL stds. 15 specs. K $\mathrm{K}_{6} \times 5$

Net 1.99
15 T 4304 Shpg. wt., 4 ors......... Net 1.99
WIRING TEMPLATE. Conforms to JAN Stds. WIRING TEMPLATE. Conforms to JAN Stds. 15 specs. $61 /{ }^{6} \times 7^{\prime \prime}$.
15 T 4306 Shpg. wt. 4 ors.
Net 1.80
ROTARY SWITCH TEMPLATE, for drafting of rotary wafer switch on schematic layout. $676 \times 37 \mathrm{~m}^{\prime \prime}$.
15 T 4305 Shpg. wt. 4 ozs.
Net 1.80 ELECTRIC CONTROLS TEMPLATE. For drawing and drafting of electrically controlled machinery. $9 \times 33_{8}=$
15 T 4303 Shpg. wt., 4 oz .
Net 1.80
MATHEMATICAL SYMBOLS TEMPLATE
Commonly used mathematical and many other
symbols in several sizes. Size: $61 / 4^{\prime \prime} \times 21 / 2^{\prime \prime}$.
Shpg, wt., 402.

## 15 T 1308

Net 2.19

Made of crystal clear plastic 090' thick. Set consists of eight French curves. Excellent for perspective, three dimensional drawing and general applications. Wt., $1 / 2 \mathrm{lb}$. 15 T 1425

Net 2.69

## ADJUSTABLE CURVE



Enables anyone to draw curved designs with ease. The rule is easily bent to any desired curve with the fingers. Once bent, the rule stays curved without being held. White plastic frame encloses a lead bar and a steel sheet support. Overall length is $231 / 2^{\circ \prime}$. Shpgwt. 8 oz. Imoorted. 99 T 7002

Net 1.39

## SLIDE RULE



Precision made instrument of fine laminated construction. This rule has decimal equivalents, equivalents settings and a rule with both inch and metric scales. There are $A$, B, C, C1 and D scales on the face side and log, sine and langent on the back. Complete with instructions. Shpg. wt., 402. IS T 1441

Net .79
Net . 79

LETTERING GUIDE SET


Made of transparent plastic, Use with either sharp pencil or ink. Each has complete al. phabet, numbers and commonly used signs. Set consists of six guides. Sizes $2 / 6, K_{0}, 1 / 4$. K/4, $3 / 8$, and $1 / 2^{\prime \prime}$. Shpg. wt., $1 / 2 \mathrm{lb}$.
15 T 1432-Comp. Set
Net 4.95

## LETTERING PEN

Reservolr type drawing pen. Designed for use with lettering guides from $1 / \mathrm{s}^{\prime \prime}$ to $1 / 2^{\prime \prime}$. 15 T 1407 Shpg. wt., 3 oz.

Net 1.49

## $8^{\prime \prime}$ ADJUSTABLE

## TRIANGLE

Transparent plastic.
Trace any angle from 0 to 90 degrees. Inner row of graduations on arc give angle, outer row give complementary angle. Has four open.
 ings for drawing circles $1 / 2,3 / 4,1$ and $11 / 4^{4}$ diam. Tapered holes $1 / a^{*}$ apart on two sides to divide any line into equal parts by swinging angle. 15 T 1424 Shpg. wt., 6 oz. ............. Net 2.29

# SRLAFAYETTE <br> Slide Rules 

## Engine Divided Slide Rules

$A$ B C

## (A) $131 / 4^{\prime \prime}$ VECTǵRLOG* SLIDE RULE For Communications Engineers and Physicists

- Laminated Bamboo Construction - P, P', and Q Scales - For Direct vector Addition - Hypertolic Sine and Tangent Scales. Two Sine Scales-One Marked in Degrees. One Marked in Radians 5 Log Log Scales Plus a Voltage DB Scale Complete with Belt Carrying Loop and Leather Case - With $10^{* \prime}$ Scale

The Lafayette VECTORLOG Slide Rule provides a new concept in scientific calculation, incorporating scales and arrangement designed for quick-easy manipulation. Twenty-seven (27) scales incorporate the many problems encountered in Electrical EngIneering and Physlcs. The unique $P, P^{\prime}$, and $Q$ scales allow direct right angle vector addition. No longer are several settings required to obtain right angle vector sums-these scales work in the same manner as the $C$ and $D$ for multiplication. The two Hyperbolic Sine and one Hyperbolic Tangent Scale, the voltage do scale, and the five $\log \log$ scales, provide maximum coverage of these dynamic fields. VECTORLOG is the result of extensive tests for ease of manipulation. Several of these features are: $C$ and $D$ scales on both the front and back of the rule; Sine scales in both degrees and radians, removing the necessity of bothersome conversion of units: a problem-tested location of scales; and adjusted screws to allow variable tension on the slide. Scales include: (FRONT) Tr-1, TR-2, P', P, Q, ST, S-1, S-0, C, D, LLO1, LLO2, LLO3, LL1'; (REAR) Sh-1, Sh-2, DF, A, B, CI, CF, Th, C, D, LL3, LL2, db. With instruction book, leather carrying case, and belt carrying loop. Imported. Shpg. wt., $12 / 2 \mathrm{lbs}$. 99 T 7102

Net 16.95

## (B) $133 / 4^{\prime \prime}$ DELUXE LOG LOG DUPLI DECIMAL TRIGONOMETRIC SLIDE RULE

## - with 11" Scale

- 25 Scales with 8 Log Log Scales
- Extended Range Avoids "Going Off Scale"
- Extra P Scale Simpllfies Computations
- Two Color Scales

A log log dupli decimal trigonometric slide rule contains 25 scales including 8 Log Log Scales. Troublesome end-for-end resetting is elliminated by extensions of C and D scales. Twin set of Log Log scales run from 1.001 to 100,000 and .999 to .00001 , enlarging the scale by one scale length each compared with ordinary log log slide rules. Extra features include $P$ scale which enables direct "readout" of cosine value. Scales include LLO1, LL02, LLO3, DF, CF, CIF, CI, C, D, LL3, LL2, LLi, LLOO, L, K, A, B, S, ST, T, C, D. DI, P, and LLO. With instruction book, sáddle leather case. Imported. Shpg. wt., $11 / 2 \mathrm{ibs}$. 99 T 7055 Net 15.95

## 5* POCKET SLIDE RULE



## - Extremely Accurate

## - Has Standard S, L and T Scales

Convenient pocket sized slide rule of specially selected and treated bamboo. Will not warp, shrink or leng then under varying atmospheric conditions. A, B, CI, C, D and $K$ scales engraved on white plastic surface, Reverse side of slide has standard $S$, $i$ and $T$ scales. The upper beveled edge of the rule is graduated in mm to 13 cm . Other edge is divided into 5 inches by 32nds. Only 5 'Y:" long over all. Carried easily in any pocket. Shpg. wt., 8 oz . Imported.
9977030


A versatile calculating instrument specially constructed with special chemical resistant, $1 / 4^{\prime \prime}$ thick, plastic, it will not shrink or expand under varying climatic conditions. 12 scales to solve problems involving multlplication, division, proportions, squares, cubes, and all trigonometric functions. Special scales allow direct conversions of angles from radians to degrees. Ideal for quick calculations. With leatherette case. 99 T 7127 Wt., 4 oz. Imported. Net 2.59

## (C) $12 \frac{1}{2 \prime \prime}$ " DECIMADYNE ${ }^{\text {TM }}$ SLIDE RULE <br> A Dynamic Reactance Slide Rule

- With $10^{\circ}$ Scale
- Automatic $\pi$ Multiplication on DF Scale
- Continuous Resonant Frequency Scale
- Direct Power Factor Read-out
- Simplifies and Speeds Up RLC Calculations Specially designed to speed up calculations for radlo and electrical communication engineering, for decibel, inductive reactance, capacitive reactance, resonant frequency, surge impedance, etc. Feature scates include: DB-for computation of electric communication circuit: DF and CF-same as D and C scales, except that they are "folded" at $\pi$ : $X c$ - for computation of capacitive reactance: $X[$ - for computation of inductive reactance; $F_{1}$ and $F_{y}$-for calculating resonant frequency, The 17 scales are: DB, DF, CF, CIF, CI, C, D, A, XC, XL, K, KI, $S_{1} T_{1} F_{2}, F_{1}$, DI. With instruction book, leather carrying case, belt carrying loop. Imported. Shpg. wt., 1 lb .


## (D)DECIMALOG ${ }^{\text {TM }}$ DELUXE 61/2"LOG LOG DUPLI DECIMAL TRIGONOMETRIC SLIDE RULE

## - P Scale (Pythagorean) permits direct "readout" of Cosine Values

 - 24 Scales including 8 Log Log Scales - With 5 " Scale A pocket version of our $13 \mathrm{Y} / \mathrm{a}^{\circ} \mathrm{Log} \log$ Dupli Decimal Trigonometric slide rule. Contains all the scales of the $13 \not / 4$ " rule except the "ST" scale. Twis color scales-positjoned for each in use and rapid calculations. "C" and "D" scales on both sides of the rule. "p" scale for direct, cursor line reading of cosines of angles. Scales- front face: LL1, L12, LL3, DF, CF, CIF, CI, C, D, LL3, LL2, LL1. Back face: LLO, L, K, A, B, S, T, C, D, DI, LLO. Engine divided rule of laminated, non-hygroscople bamboo. Complete with instruction book and leather case with pocket clip. Imported. ShDRewt. 802.
## 99 T 7099

Net 7.95

## $1 / 2^{\prime \prime}$ LOG LOG DUPLI TRIG SLIDE <br> (E) $121 / 2^{\prime \prime}$ LOG LOG DUPLI TRIG SLIDE RULE

- With $10^{\circ}$ Scale

Specially selected, laminated, non-hygroscopic bamboo. Scales machine engraved on white plastic in permanently accurate calibrations. Adjusting screws permit varying tension on slide. 21 scales including C. D and CI on both sides. LLO and LLOO scales refer to B scale. Ali other scales coordinate and refer to D scale. Scales are L, LLI, DF, CF CIF, CI, C, D, LL3, LL2, LLO, LLOO, A, B, K, CI, C, D, S, ST and T. Scale characteristics permit multiplication, division, proportion, inverse proportion, reciprocals, cotangents, squares, square roots, cubes, cube roots, logarithms, tangents, sines, PI factor multiplication and division, powers and roots of numbers less than 1 , powers and roots of numbers greater than 1 , logarithms to base "e." Shpg. Wt., $11 / 2$ lbs. Imported.

## 99 T 7031

Net 11.95

## 4" CIRCULAR <br> SLIDE RULE <br> $2^{79}$

ARCHITECTS-ENGINEERS RULES

TRIAMGULAR SCALE: $12^{\text {² }}$ professional triangular architect scale with colored grooves engine divided. All plastic will not warp or chip. Divided as follows: $3 / 32,1 / 8,3 / 16$, $1 / 4,3 / 8,1 / 2,3 / 4,1,11 / 2,3^{\prime \prime}$ to the ft .Complete with hard plastic case. Wt., 8 ors. 15 T 5604 Architect's Scale $\qquad$ Net 2.79 deluxe engineer's triangular scale: Similar to above, divided as follows: 20, 30, 40,50 and 60 parts to the inch. Shpg. wL., 8 ors.
15 T 5605 Net 2.79

# Tapewriter - Embossing Tools 

# DYMO MARK VI LABEL MAKER KIT EMBOSSES BOTH $3 / 8^{\prime \prime}$ AND $1 / 4^{\prime \prime}$ TAPE 

- You Get - Tool - 2 Wheels For Large and Small Characters. Case and 5-12' Rolls of Tape
- Convenient Tape Cut-off Lever

Low-Cost tapewriter kit for home, office, store or workshop. Makes ralsed-letter labels that are self-adhesive, permanent and waterproof. Set dial to letter, number, or symbol and squeeze the handle. When label is completed, squeeze trigser to snlp off tape, Kit Includes: High-impact plastic embossing tool, two wheels, three $3 / /^{\prime \prime}$ and two $1 / 4^{\prime \prime}$ rolls of tape plus carrying case. Srpg. wt., $11 / 2 \mathrm{lbs}$.
14 T 4148
Net 5.88
MODEt M6 Tool only. Complete with $\mathrm{K}_{0}$ " character wheel and $144^{\prime \prime}$ roll of Tape.
14, 4149 Shpg. wt., 1 lb.
Net 6.8:


## 3/8" LABELMAKER

- With $144^{\prime \prime}$ Roll of Tape
- Special Vertical Wheel Included

For embossing raised white letters on $3 / 8^{\prime \prime}$ vinyl tape. Designed for easy operation. Perfect for maiking label anyplace in the home. Comes with automatic pull. tab, tape cut-off, special-use 44 character vertical wheel and 42 character horizontal wheel. With $144^{*}$ roll of $3 / 8$ inch tape. Made of high impact Cycolac plastic. Size: $5 L \times 23 / 4 W \times 5 \%$ D. Shpg. wt., 112 lbs . 14 T 4150 $\qquad$ Net 3.95


## 1/4" + 3/8"LABELMAKER

- With $144^{*}$ Roll of Tape
- Handy Tape Cut-Off

Home Labelmaker embosses 5/32" ralsed characters on both $1 / 4$ and $3 / 8^{\prime \prime}$ vinyl tapes. Just dial the letters and squeere the handle. Features regular or wide spacing "pull-tab" cut-off. With 144" roll of tape. Size $61 / 2 L \times 6^{\circ} \mathrm{H}$. Rugged plastic body. Shpg. wt, 2 lbs. 14 T4143 $\qquad$ Net 4.95

$\qquad$


## DELUXE $1 / 4^{\prime \prime}$ \& $3 / 8^{\prime \prime}$ TAPEWRITER KIT

- With 3 Wheels - $y_{r^{\prime \prime}}$ Giant Letters $K_{0}{ }^{\prime \prime}$


## Standard Characters

- And Vertical Direction Wheel
- Chrome-Plated-with 10 Rolls of Tape and Case

MDDEL M-10 Changes tape size internally, by simple up or down movement of selector pin. Features wide letter spacing, and regular. Rapid change embossing wheels for any application. Complete with custom-fitted carry case tapewriter, giant lefter and standard-letter embossing wheels, 5 magazines of $3 / e^{\prime \prime}$ tape, 5 magazines of $1 / 4^{\prime \prime}$ vinyl tapes in assorted colors. 14 T 4144 .................. Shpg. wt., 2 lbs.......................... 19.95 MODEL M-10 TAPEWRITER, With 2 wheels: $144^{\circ \prime}$ roll of tape. 14 T 4141

Shpg. wt., 1 ib .
Net 14.95

DELUXE $1 / 2^{\prime \prime} \& 3 / 8^{\prime \prime}$ TAPEWRITER KIT

- Die-Cast Zinc Body. Chrome Finish
- Embosses $1 / 2$ " and $3 / 8^{\prime \prime}$ Tapes 3495

MODEL M- 20 Detuxe label maker kit, contains everything yous need to make easy to see and read labels. Complete kit pacsed in handy carry case; contains: Tapewriter, 5 rolls of $1 / 2^{\prime \prime}$ tape. 5 magazines of $3 / 4$ " tape in assortment of attractive colors; I vertical wheel, 1 standard size horizontal wheel, 1 giant letter wheel. Shpg. wt., $21 / 2 \mathrm{lbs}$.
14 I $4146 \$ 5$ Monthly
Net 14.95
MODEL M-20 TOOL ONLY, with 2 wheels; $144^{\prime \prime}$ rolls of tape,


MODEL M-14 $1 / 4^{\prime \prime}$ \& $3 / 8^{\prime \prime}$ TAPEWRITER

- Embosses $43-y_{2}{ }^{\prime \prime}$ Characters
- All Metal Construction
$9^{95}$
- Regular or Wide Spacing

The fast, modern way to mark, price, label, or identify, Ladels have large, crisp white embossed letters on a brililant colored background. Tapes have a self-sticking back... ready for easy application. "Pulltab" is automatically cut on the end of each label, Tape selector lets you choose between $1 / 4$ " and " 36 " labels. Space selector gives choice of regular or wide spacing. Complete with roll of embossing tape. See listing below for additional tape. Shpg. wt., 2 lbs.
14 T4147
Shpg. wt., 1 it.
14 T 4140
Net 9.95


## 1/4 INCH

Each contains $144^{\prime \prime}$ of $14^{\prime \prime}$ glossy vinyl tape with adhesive backing. Shpg. wt., $1 / 4 \mathrm{lb}$.

| Stock No, | Net ea. 89 <br> Lots of 3.79 ea, |
| :--- | :--- |
| 14 T 4102 Blue | 14 T4106 Brown |
| 14 T 4103 Green | 14 T 4107 Black |
| 14 T 4104 Red | 14 T 4130 OranRe |
| 14 T 4105 Clear | 14 T 4131 Yellow |
| 14 T 4151 Wal. Grain | 14 T 4132 Gold |

Contains $144^{\prime \prime}$ of $3 / \mathbf{R}^{\prime \prime}$ dirt/moisture resistant vinyl tape with adhesive backine. Shpp. wt.,

Net ea. . 99

| Stoch No. | Lots or 3.89 ea |
| :--- | :--- |
| 14 T 4111 Brown | 14 T 4115 Blue |
| 14 T 4112 Black | 14 T 4116 Green |
| 14 T 4113 Red | 14 T 4127 Orange |
| 14 T 4114 Clear | 14 T 4128 Yellow |
| 14 T 4152 Wal, Grain | 14 T 4129 Gold |

## $1 / 2$ INCH

Contains $144^{\prime \prime}$ of $1 / 2^{\prime \prime}$ glossy vinyl tape with adhesive backing. Shpg. wt. $1 / 4 \mathrm{lb}$.

| Stock No. | Net ea. 1.49 <br> Lots of 31.35 |
| :---: | :---: |
| 14 T 4118 Black | 14 T 4122 Green |
| 14 T 4119 Yellow | 14 T 4123 Brown |
| 14 T 4120 Red | 14 T 4124 Gold |
| 14 T 4121 Blue | 14 T 4125 Clear |

# Electronic Burglar, Warning Systems 



## MALLORY SONALERT ELECTRONIC AUDIBLE SIGNAL DEVICE

Solid-state circuitry, no mechanical wear-no-arching-no RF nolse. Small size, lightweight, and low current drain allow them to be used in most circults where warning devices are needed. Type SC628P has pulsating tone. Extensively used in fault alarms in computers, fire signals, instruments, appliances, and communications as well as telephone signals and protec. tion equipment. Application possibilities are limitless, Size: all 11 Ko" dia. $x$ $.781^{\prime \prime}$ long, except, "are $1.38^{\prime \prime}$ long. Installed welght: all 14402 . except $\dagger$ are 2 oz . All Models manufactured with silicone transistors, allowing operating
 temperature of $-40^{\circ}$ to $+185^{\circ} \mathrm{F}$. Shpg. wt., 60 oz.

| Stock No. | Type No. | Operating Voltage | Freq. Hz | Intensity DB | Current MA. | $\mathrm{Net}$ | $\begin{aligned} & \text { Each } \\ & 25-49 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 12 T 7401 | SC628 | 6-280C | 2800 | 68.80 | 3.14 | 5.50 | 5.40 |
| 12 T 7402 | SC628H | 6-280C | 4500 | 68.80 | 3.14 | 6.35 | 8.25 |
| 12 T 7403** | SC628P | 6.280C | 2800 | 68-80 | 3.14 | 9.95 | 0.75 |
| 12 T 7404 ¢ | SC628A | 6-28AC/DC | 2800 | 68.80 | 3.14 | 8.75 | 8.60 |
| 12 T 7406* | SC110 | 110 AC | 2800 | 80 | 14 | 8.75 | 0.60 |

## $3^{95}$



- Requires No Wiring

Burglar-resistant Sentinal Burglar Lock-alarm; automatically locks when unauthorized forced entry is attempted, plus emits a piercing sound capable of awaking the entlre household. Inconspicuously mounts on doors, and windows in minutes with only a screwdriver. No wiring necessary, uses a single penlite AA $11 / 2$ volt battery. Complete with mounting hardware, horn, and latch mechanism. Shpg. $w t .1 / 2 \mathrm{lb}$. 1475350
99 T 6258 Battery for above
Net 3.95


WORNER MODEL 4000 ELECTRONIC "WATCHMAN"


Economical Indoor alarm system. Consists of exclter lamp unit and matching electronic relay, in attractive hammerloid cases. Exciter unit has 2 prefocused $f 6$ lenses for maximum light dispersion, infra-red filter to furnish invisible beam. Relay unit has toggle switch choice of momentary or continuous alarm operation, outside light rejector, sensitivity control. Buiftin 6V. A.C. power supply permits use of external electrical alarms. Ranges: white light $50^{\circ}$ invisible light $35^{\circ}$. Size each unit $5 \times 5 \times 5^{\prime 2} \mathbf{2}^{\prime \prime}$. For $110-120$ V. $50-60$ cycle AC. Total shpg. wt. 14 lbs.
12 个8804 55 Monthly ................. Net 96.30

## WORNER ELECTRONIC RECEPTIONIST



## $56^{25}$

No Money Down

MOOEL 61 AMmOUMCER. CONsists of "Fotoelectric" unit, chime and mirror. Chime rings when IIght beam is Intercepted. Unit has exclter lamp which projects beam across passage, and photocell which receives reflected beam from mirror; may be placed up to $10^{\prime}$ from mirror. $81 / 4 \times 61 / 2 \times 23 / 4^{\prime \prime}$. For 110 120 V. $50-60$ cycle A.C. Shipg. wt., 9 lbs. 12 T $8801 \$ 5$ Monthly

## WORNER MODEL 5150 ELECTRONIC BURGLAR ALARM



Indoor detection system. Infra-red beam operates amplifier up to 150 ft . Removable red filter. Both units have on-off switch. Amplifier relay unit features sensitivity control, extraneous light shielding and lock. Only keyholder can turn off alarm or reset trap. Steel cases. Light source $41 / 2 \times 41 / 5 \times 7^{\prime \prime}$; amplifier $5 \% \times 7 \times 5 /{ }^{\prime \prime \prime}$ with split door, hinged bottom. For $110 / 120 \mathrm{~V} 50-60$ cycles.
$12 \mathrm{~T} 8805 \mathrm{WXShpg} . w \mathrm{wt}$., 14 lbs . ...... Net 153.57
60.1130 REPLACEMENT BULB 6 V., 32 CP., 2000 hours, For models 61, 4000, and 5150. Shipg. wt., 501
12 T 8.02
Net .66
EXTRA CHIME for Models 61 and 4000 and any other 6 VAC power source. Serves as an excellent warning device.
12 T esos Shpg. wt., 2 lbs.
Net 6.75

# Alarms-Save Money-Save Lives 

## SELF CONTAINED FIRE ALARM $3^{95}$

- Can Be Heard 1/5 Mile Away - For Home-OfficeWarehouse -Farm-Store Sensitive, precision unit set to howl with a continuous, unmistakable blast of sound the moment air temperature reaches $135^{\circ}$. Operates on two standard flashlight bat. terles. So inexpensive you can install one in every room pius basement, aftic, and garage. Batteries should be replaced approximately once a year. A touch of the test switch on the bottom of case will assure you that unit is in proper operating order. Completely self-contained independent of eiec. trical house current. Size: $23 / 4 \times 51 / 2 \times 11 / 2^{\prime \prime}$. Shpg. wt., 1 tb.
14 T 3950 (Less Batteries) $\qquad$ Net 3.95
99 I 6255 Batt (2 Req'd) Net es. . 15


## GULTON FIRE ALARM



Bulit-In 117 VAC charging circuit keeps Internal batteries up to fuli power. Assures top notch performance at all times. Never needs replacement batteries. Works even in the event of a power fallure. Loud contin. uous alarm sounds when room temperature reaches danger level $\left(126^{\circ} \cdot 140^{\circ}\right)$. Convenient test button allows periodic checking of unit. Attractive alarm affords you a maximum of safety and protection when strategically placed throughout your home. Shpg. wt., $14 / 2 \mathrm{lbs}$.
14 T1450
Net 7.95

## FIRE ALARM

## $5^{95}$

- Always On GuardNo BatteriesNo AC Plug
- Tiny and Powerful Only $2^{\prime \prime} \times 2^{1 / 4}$
Sensitive fire alarm requires no batteries or electricity, no wind-up springs. Powered by its own self-contained hermetically sealed electronic energizer. Loud piercing siren sounds off for 2 hours or more. No main. tenance-requires replacement only after activated by fire. Special sensor IIp will trigger alarm when temperature reaches $135^{\circ}$ F. Guaros homes, offices, boats, trailers, etc. Easily instalted on walls, doors, or cellings. Tiny, powerful alarm protects your life, family, and property. Decorative design with ivory finish.
141750 Shpg. wt., $1 / 2 \mathrm{lb}$. $\qquad$ Net 5.95

HOME FIRE ALARM $29^{95}$

## - Loud-Clear Alarm

- Complete Signal Unit6 Detectors

Sensitive thermostatic detectors-located in every potential fire area-react to heat instantly. The alarm alerts you and your family before flames spread. The system does not depend on house current for operation. Long life, heavy duty battery will last at least one year. System is readily checked by means of a heat button. The push button kept within easy reach of bed serves as an intruder alarm. Provision is made in the signal unit for attaching another alarm ( 6 volt bell, buzzer or horn) for outside or remote locatlons. The signal unit is completely enclosed in a chrome piated steel housing. Measuring only $42 / 2 \times 51 / 2 \times 31 / 2^{\circ \prime}$ overall-can be located in any convenient area. Detectors, only $2^{\prime \prime}$ in diameter, are unootrusive and cover areas up to 400 sq . ft. System includes signal unit with 2 horns and provision for a 3rd, 6 thermostatic detector switches (five $135^{\circ}$, one $200^{\circ}$ ) 150 ft . of 18 gauge twisted pair control wire, test button, 2 boxes of staples, battery and instruction book. Shpg. wt., 8 Ibs.

## 14 TE201

Net 29.95
14 T $202135^{\circ}$ Detector Switches. Shpg. wt., 3 ors. Net ea. 1.95
14 T $8203200^{\circ}$ Detector Switches. Shpg. wt., 3 ors. Net ea. 1.95
13 T 8101 Test Button. Shpg. wt., 3 ozs.

| Net ea. | 1.95 |
| :--- | ---: |
| - | Net |

18 Gauge, twisted pair control wire. Shpg. wi., 3 lbs. per 100 ft
32 T 3628100 ft .
Net 2.20
32 T 3629500 ft . Net 9.95
32 T 4869 Replacement battery, Eveready 509. Shpg. wt., $11 / 4$ lbs Net .92

## ALERT BURGLAR ALARM SYSTEM

PROTECTION FOR
Yourself,
Family,
Property

## PROTECT AGAINST

 Intruders Thieves, Vandals

## LOUD PULSATING BLASTS AND FLASHING RED LIGHT

Alert system consists of transistorized warning system, 750 feet of hair thin wire, 12 contact switches for doors and windows, mounting pins. Extra switches and wire are avalable to expand the system to cover as many areas as desired. Warning stickers included to notify potential intruders your property is protected. Once this alarm is set your key is needed to stop its operation. Built-in delay operation allows enough time to set the alarm and secure the premises before the system goes into operation. Baftery operated unit is independent from AC power interruption. Protect orchards, boais, camp sites, etc. - use it anywhere. Set of lantern batteries last approximately one year under normal use. Light and horn operate for more than twelve hours unless unlt is tumed off. Less batteries. Shpg. wt., 8 tbs.
14 T 1301 Shpg. wt., 8 lbs. Net 39.95 14 T 1302 Pkg. of 6 Extra Switches Net 1.50
 32 T 4869 Batteries (Two Required) BY.PASS SWITCH LOCK KIT. Permits cut-off of one doorway so that you may gain access to protected area without setting off the alarm. Complete with instructions.
14 T 1304 Shpg. wt., 6 oz
_ Net 6.50

## DOOR BURGLAR ALARM

For: Apartment-Store-Home-Office

- Fits All Doors
- Mounts In Minutes
- No Lock Hole In Door
- No Wiring Necessary
- Fully Transistorized


## Complete

No Money Down

Fulty transistorized, battery operated burglar alarm for the home, apartment, store, and office. Universal mounting fits any door. Pushbutton control is provided for manual alarm to signal for ald at any time, another control has been included to permit you to open the door from the inside without setting off the alarm. Upon closing the door alarm is automatically reset. Slide switch control can be set for instant, or. 20 second delay before alarm sounds. Key operated switch controls on/off and reset functions. Mounts instantly, no wiring required. Constructed of heavy. gauge, anodized aluminum with neutral sand colored finish. Comes complete with battery and mounting hardware. Size: $41 / 2 \times 8 \mathrm{r} 3^{\prime \prime}$. Shng. wt.. 2 lbs. 14 T1350 $\$ 5$ Monthly

Net 39.95

## ON-GUARD



## 900X "ZOOM" STUDENT LABORATORY <br> Complete Outfit For Only $19^{95}$

- Zoom from 100 to 900 Power
- All Dissecting and Mounting Materials


## - Prepared and Blank Slides

- Includes AC/DC Substage Illuminator


A complete microscope laboratory for the student and enthusiast. Provides all necessary material to explore the Interesting fleld of microscopic research. The 900X microscope offers various combinations of magnification from 100 X to 900 X with four objective lenses ( $10 x, 20 x, 40 \mathrm{X}, 60 \mathrm{x}$ ). Combined with the fine ocular which "zooms" from 10X to 15X, the scope provides clear, sharp images. Tube movement governed by adjustable downstop with a locaing screw... prevents costly slide breakage. The $900 x$ features an optical condensor, plano mirror and built-in 3 -volt liaht using the

AC adapter included, or 2 penlight batteries. Laboratory includes a dissecting kit with hand lens, blunt-end scissor, scalpel and probe; glassware (test tubes, specimen botties, alcohol burner). There are several prepared slides, blank slides, cover glasses, mounting balsam, Methylene Blue and Rhodamine stains, Imported, Shpg. wt., 7 lbs.
99 T 7195 Complete Microscope Outfit
Net 19.95
99 T 7106 Replacement bulb
Net .11 99 T 6258 Battery (2 required)

## 900X "ZOOM" MICROSCOPE

- Variable Magnification

Net 21.95
99 T 7140 Zoom Microscope 99 T 7106 Replacement Bulb 99 T 6258 Battery (2 required) Net ea . 10 zoom microscope.
99 T 7110 Shpg. wt., 802.
Net 1.80


## 600X MICROSCOPE



- With Sub-Stage Light
- 75X - 300X - 600X
- Triple Revolving Turret

For the student - hobbyists - or budding scientist! Features built-in sub-stage light and three achromatic objective lenses giving magnffication of 75X, 300X and 600X. Complete with 3 -glass slides, 5 -piece dissecting set and hardwood cabinet. All metal, shpg. wt. $41 / 2$ lbs.
15 T 6402
99 T 625 Battery (2-req'd.)
99 T 625 Battery ( 2 -req'd.) .... Net ea. . 10
$13^{95}$


- 100X to 900X with Zoom Action
- Built-in Substage Illuminator
- Zoom Ratio 1 to 1.5 for Maximum Resolution
- 4 Coated Objectives

An excellent value for the beginning student or hobbyist. Features advanced 200m type micro-optics. 200m action permits smooth, vibration-free, variable magnification without disturbing stage or specimen. Four hard coated objec. tives set in a revolving "click stop" turret give magnifications of $100 \mathrm{x}, 150 \mathrm{x}$, 200X, 300X, 450X, 600X, and 900X. 200m action permits choosing multiple magnilications without changing eyepiece or objective. The eyeplece zooms smoothly from $10 x$ to $15 x$. Illuminator operates with batteries or house current, by means of transformer listed below, Round hole disc diaphragm controls illumination. Includes instructions, sample slides, 6 plece dissecting kit and wooden carrying case. Less batteries, Imported. Shpg. wt., 5 lbs.
99 T 7139 900X Microscope
Net 13.95
99 T 7106 Replacement bulb
Net .11 99 T 6258 Battery (2 required)

Net ea. . 10 TRANSFORMER-Permits use of house current for illumination of specimens.
99 T 7110 Shpg, wt., 8 oz.
Net 1.80

## 70X TO 200X MINI ZOOM MICROSCOPE



## Only 195

- Comes Complete With Case and Built-In Light
Excellent for close inspection of samples Small size makes it handy anywhere... in the home, factory, or even out in the fleld. variable zoom eyepiece is adjustable from 70 to 200 times magnification. Bulit-in illuminator incorporates a self-contalned battery compartment. "Camera type" design features handy snap-In stage. Complete with
Size: $31 / 4$ "Hx $23 / 4{ }^{\prime} \mathrm{W} \times 7 / \mathrm{m}^{\prime \prime} \mathrm{D}$ vinyl case, glass slides and reflex plate. Imported.
9977210 Shpg, wt. $41 / 2 \mathrm{lb} . \ldots . . . . . .$. Net 4.95 Battery for Above (2 Required)

Net ea. . 10

# Microscopes and Accessories FOR STUDENT RESEARCH 

## 1200X "RESEARCHER"

- 25X to 1200X in 12 Ranges
- Full Range Fine Focus Adjustment
- Integral Mechanical Stage
- Rotating Diaphragm

Closely parallels the "Society" grade microscope. Four Huygenian eyepieces: $5 X, 10 X$, 15X P20X combine with four achromatic objectives: $5 \mathrm{X}, 10 \mathrm{X}, 40 \mathrm{X}$ $60 x$ to yield 12 combinations: $25 x, 50 x$, $75 x_{4} 100 x_{6} 150 x_{1} \quad 200 x_{1} 300 x, 400 x_{\text {, }}$ $600 \mathrm{X}, 800 \mathrm{x}, 900 \mathrm{X}, 1200 \mathrm{x}$. Dual knob rack and pinion coarse focusing with tension adjustment for slow motion. Micro-motion fine focusing adjustment. Spring loaded to prevent objective from driving through slide. $85 \mathrm{~mm} \times 85 \mathrm{~mm}$ stage can be moved in any direction, with slide, by 2 knurled screws while looking through the eyepiece. Sub-stage has rotating, 5 -position diaphragm and 35 mm plano/concave reflecting mirror. Stable horseshoe base. Complete with set of 5 basic dissecting instruments 10 slides, pack of cover slips, tube of mounting fluid. All in a dovetailed wooden carrying case with handle and four rubber feet. Imported. Shpg. wt., 10 lbs.
$9917041 \$ 5$ monthly $\qquad$ Net 39.95

900X "MICROBE HUNTER"

- A Microscope featuring GRADE A optics!
- Power Range 25X, 50X, 75X 100X, 150X, 200X, 300X, 400X, 600X. 900X
- Full Range Fine Adiustment

Made to rigid design specificationshas wide usage in schools, taboratories and law enforcement agencies. All of the most needed features for diversified micro-studies. Power range from 25x to 900 X in 12 possible combina. tions. Geared rack and pinion coarse focusing. Micromotion tine focusing 12 complete revolutions. 36 mm (pliano/ concave) mirror. Fixed square stage. $70 \mathrm{~mm} \times 80 \mathrm{~mm}$. Rotating 5 -hole, disc diaphragm. Three Huygenian eyepieces of $5 \mathrm{X}, 10 \mathrm{X}$ and 15 X . Four achromatic objectives of $5 \mathrm{X}, 10 \mathrm{X}, 40 \mathrm{X}$ and 60 x . Oversize base insures' stability. Body perfectiy balanced at any angle. Com. olete with upright, wooden carrying case. Imported. Shpg. wt., 8 lbs. 9977028

## SPECIAL 20X EYEPIECE

Increases the power of our "Microbe Hunter" microscope (above) to 1200x. Highly corrected, fine qually peri-planatic ocular. Imoorted. ShpE. Wt., 5 oz. 99 T 3471

## LAFAYETTE® MICROLITE

## - Use with any Microscope

- Furnishes Bright. Even Light

Provides a bright, evenly lighted field of view. Lamp may be raised or lowered to any desired height on its $41 / 2$ " stanchion. Inclination and elevation joint permit swinging through $360^{\circ}$ in both horizontal and vertical plane. Fuily adjustable for transparent or opaque specimens, direct or indirect lltumination. Invaluable where oblique light is necessary. Operates on $110-120$ volts $A C / O C$. Self-contained switch, cord and plug. Lamp body is $51 / 2^{\prime \prime}$ kong, stand is $51 / 2^{-}$high. Imported. Shpg. wt., 1 lb . 9977024 $\qquad$ Net 2.95
99 I 7111 Replacement Bulb


## - 20x-40x-80x

- Pocket Size-tor Field or Lab
- Achromatic-Coated Lenses Unparalled for "rockhounds" prospectors, coin and stamp collectors, students and hobbyists. Indispensable for examination of gross and opaque subjects. Hignty polished, finely machined chromium plated brass tubes, mount and tripod legs. Draw tube permits focusing on objects from flat surface to $13 / 4$ "high. Ideal for inspecting large specimens, small parts, surfaces of large places. Size collapsed is only $47 \mathrm{~s}^{\prime \prime}$. fully extended $62 / 2^{\prime \prime}$ less tripod. Includes soft leather case and tripod leas. Imported. Shpg, wt., 1 lb . 9977001

Net 5.50 Net .39


Carefully prepared slides of universal inter est. Cleaned, dissected,embalmed, stained, mounted and covered. Professional size. Sel includes 12 prepared slides and slotted, covered box. Imported. Shpg. wt., 8 oz .
9977004 Parts of insects
9977005 spiders
9917006 Tiny Creatures
9917007 Sea Life $\qquad$ Net 1.39
-99 17008 Structure of Blood
99 T 7009 Life Cycle of Insects
9917010 Bacteria $\qquad$ Net 1.69

9917011 Plankton
$\qquad$
99 I 7012 Micro-Animals
9977013 Micro-Organisms $\qquad$ Net 1.59 Net 1.59 Net 1.15
$\square$ Net 1.59
-99 7014 Substance of Cells $\qquad$

- Set of 6 slides.

(a)

(B)

(A) hURTING WITh The microscope. How to prepare and study cullures-set up a microscope 100 and garden - grow micro organism-perform micro surgery. Illustrated with photographs and drawings.


## 10 160 C 2

(B) HOW TO DISSECT. Tips on dissecting the digestive, re productive, nervous, circulatory and structural systems of the earthworm, crayfish, grasshopper, starfish, squid, shark, frog. eladiolus, perch, lobster, ocotopus, snail, moths, barnacles, etc. Special projects: behavior of earthworms, food and oxygen in space ships, regeneration, micro-dissection, camoufiage, etc. 128 pages. 82 photos.

## 10 T 6001

$\qquad$
(C) SLIOE PREPARATION KIT. 30 glass slides, $3^{\text {m }} \times 1^{\prime \prime}$, in a fitted, study, cardboard con3"x1". In a titted, study cardboard con-
tainer. slotted guides hold slides upright for easy indexing. Includes slide covers and vial of mounting fluid. Imported. Shpg. wt., 1 lb . 99 r 7ca1

Net 1.29 wooden case. Imported.
(D) MICRO.POLARIZIMS KIT. A simple, inexpensive accessory to change any microscope into a polarizing microscope. The set consists of an Analyzer and a Polarizer. The Analyzer will fit any microscope eyepiece. The Polarizer can be placed on or under the stage or between the condenser lens and the stage. The polarizer is indexed for polarizer axis. Supplied complete with instructions and fitted, dust-proof case. Imported. Shpg. wt., 6 ozs.
9917136 $\qquad$ Net .99
(E) micro slloe paEParation texnikit. (6) All the necessary implements for dissecting, staining and mounting micro-subjects on slides: Seven dissecting instruments; 3 well
slldes; 22 blank slides; 25 cover glasses; 25

# selafayette Research Equipment <br> <br> Microscopes 

 <br> <br> Microscopes}


## Wiera- Plex -Binocular-Monocular Research Microscope



An outstanding instrument with features of construction and design that will, without reservation, be appreciated by competent experts.

OPTICAL SPECIFICATIONS: FOUR achromatic, coated objectives $4 X$ / 0.15 n.a., $10 \mathrm{X} / 0.25$ n.t., 40X/ 0.65 n.a., oll immersion 100x/ 1.25 n .4 . Eight paired eyepleces. Two each $5 x$ Huygenian, 10x Huygenian, $15 x$ peri-pianatic, 20x Kellner. Dust proof quadruple revolving nosepiece.
viELO sizE; Field is 4.7 to 2.0 mm for the $20 x$ to 80 X range, 188 mm -0.8 mm for $50 \mathrm{x}-200 \mathrm{X}, 4.7 \mathrm{~mm}$ 2.0 mm for $200 \mathrm{x}-800 \mathrm{x}, 1.88 \mathrm{~mm}$ 0.8 mm for $500 \mathrm{x}-2000 \mathrm{x}$. Taken at 170 mm focal length.
80DY: Interchangeable Binocular tube inclined $45^{\circ}$, graduated in. terpupiliary odjustiment. left eyetube adjusts for refractive difference between eyes. Monocular is extendable, graduated from 140 mm to 190 mm , Parfocal at 170 mm . STAEE: Square stage $125 \mathrm{~mm} x$ 130 mm . Mechanical stage with 30 $\mathrm{mm} \times 70 \mathrm{~mm}$ range of movement with vernier accurate to 0.1 mm . Sides of practically every shape and sire, including petri dishes, can be used.
FOCUSIMG: Coarse focus by means of coaxial rack and pinion drive on dovetail slide. Fine focus by coaxial micrometer slow motion Meyer's type adjust. Graduated 1 division equals .002 mm ( 2 micron intervals).
SUBSTAGE: Rack and pinion drive. Double tens bright field condenser (interchangeable) 1.2 n.a. iris diaphragm. Filter holder. stop against over-wind, 50 mm plano-concave mirror,
Satin black enamel finlsh. Chrome trim. $131 / 4 \times 81 / 2 \times 51 / 4$ "~ overall. Net weight 34 lbs . Includes fitted cabinet of fine grained oak with lock and key, 5cc of cedar oil, spring clips, spanner, blue filter. Imported, Shpg, wt., 42 lbs.
59 T $7040 \mathrm{Wx} \$ 15$ monthly

## Medica II

## -Medical-Bacteriological Microscape



- Standard Society Size - 20X to 1500x
- Vernier calibrated mechanical stage
- Extendable Monocular Tube
- Par-focal at 170 mm tube length



## No Meney Dewn

Outstanding design-features unexcelled optically and mechanical-ly-and priced far below any equivalent instrument.
OPTICAL SPECIFICATIONS: FOUR coated achromatic objectives. $4 \mathrm{X} /$ 0.10 n.a., $10 x / 0.25$ n.a., $40 x / 0.65$ $n$.a., oil immersion $100 \mathrm{X} / 1.25 \mathrm{n} . \mathrm{a}$. Three eyepieces, $5 x$ Huygenian, 10X Huygenian, and 15 X periplanatic.
GO0Y: Extendable, monocular tube. Graduated from 155 mm to 200 mm . Parfocal at 170 mm .
STAGE: Square stage $120 \mathrm{~mm} \times$ 125 mm . Graduated mechanical stage with $50 \mathrm{~mm} \times 80 \mathrm{~mm}$ range. Vernier accurate to 0.1 mm .
FOCUSINE: Coarse focus by means of rack and pinion drive on doveiall slide. Fine focus by coaxial, lever type, micro-motion. Full 16 revolutions for. 3 mm travel. Spring loaded safety device prevents driving through subject. Focusing tension adjustable.
SUBSTAGE: Ring type, rack and pinion drive. Double lens bright field condenser (interchangeable) 1.2 n.a., irls diaphragm, filter holder, stop against over-wind, 50 mm planoconcave mirror. $124 / 2 \times 81 / 2 \times 51 / 4^{\prime \prime}$ overall. Net weight 21 lbs. Includes fitted cabinet. 5 cc of cedar oil, spanner, spring clips, blue fllter. Imported. Shpg. wt. 29 lbs.
39 广 7039wi $\$ 10$ monthl;
Net 189.95

# LAFAYETTE Accessories For Microscopes 

## MICROTOME

TEKNIKIT ${ }^{\otimes}$
$11^{95}$

- Sections to 10 Microns (0.00039 inch)
- Micro-Pitch Screw Drive

Essential tool for free hand sectioning of blological specimens. Equally suitable for the serious hobbyist and student as well as lab applications where the accuracy of a hand operated feed is sufficient. The micro-fine pitch screw feed is graduated in 10 micron intervals. The dense, composition stage is absolutely flat, 75 mm in diameter. "Straight razor" type micrometer knife of surgical quality steel. Ground and tempered to take and hold a keen cutting edge. Supplied with microtome knife, pitch and compartmented wooden storage cabinet. Imported. Shpg. wt., 2 lbs. 99 T 7132

## MICROSCOPE MECHANICAL STAGE

795

- With Graduated Scale
- Vernier to $1 / 10$ th $\mathbf{m m}$
- Attaches to Any Square Microscope Stage


Attaches to any square microscope stage $70 \mathrm{~mm} \times 80 \mathrm{~mm}$ or larger. Accommodates slides up to $75 \mathrm{~mm} \times 50 \mathrm{~mm}$. Both lateral and front-to-back movement by- rack and pinion. Adjustment scales are graduated in single millimeters with verniers reading to $1 / 10$ th $m m$. Essential accessory for all high magnification examination. Permits relocating any portion of a slide or charting the entire slide. Spring clip automatically accommodates slides of varying dimensions. 99 T 7087 Imported. Shpg. wt., 12 ozs.

Net 7.95
"MICRO'DAPTER"TM 1495

- Micro-photography!
- Astro-photography!
- Inexpensive-Accur-ate-Easy to Use
- Use Any Camera/ Microscope or Camera/Telescode Setup
- Photo-record Your Observations
Permits the use of any camera-even movie cameras-with prac tically all microscopes and telescopes. No need to remove the camera lens. Cross hairs are super-imposed on the image for centering. The image is automatically in focus for the camera when viewed in focus through the MICRO'DAPTER. Accessory sleeves permit the MICRO'DAPTER to be used with other than Soclety size microscopes. The MICRO'DAPTER may be used with any telescope by attaching to eyepieces of $29 \mathrm{~mm}\left(1 y_{2} ;^{\circ}\right)$ maximum diameter. Imported. Shpg. wt., $11 / 2$ lbs.
99 T 7080
Net 14.95


## MICRO-STANDARD $19^{95}$

- Locates Any Spot On A Slide, "On The Nose"
- Smooth Action-Horizontal And Vertical
- Foolproof Co-ordinate System


Graduated mechanical stage attaches to any "Society" size microscope stage such as Medica, Micro.Plex and Micro-Standard. Ad. justable holder takes any slide up to $90 \mathrm{~mm} \times 50 \mathrm{~mm}$. Essential for methodical examinations such as is required under an oil 'im. mersion lens or in blood counting. Locates and relocates portion of the slide quickly and easily. Vertical movement by rack and pinion-horizontal movement by worm gear. Machine engineered scales, graduated in single millimeters with vernier reading to $1 / 10$ th mm . All stides can be chartered by means of the co-ordin. ates of these scales. Spring clip automatically fits the slide Into proper position. Supplied with fitted wooden case. Imported. 9917038 L Shpg, wt., 1 lb .

Net 19.95

PEN-SCOPE


- Compact 8 Power
- Convenient 30 Power Microscope
The 8 power telescope with adjustable slld. Ing focus barrel that extends to over 8 inches, collapses to $51 /{ }^{\circ}$ " and fits easily in pocket. Barrel slips off to convert to a 30 power microscope. Nickel-plated metal case with pocket clip. Dia. only $5 / 16^{\prime \prime}$. Imported. 99 T 7198 L Shpg.wt., 8 oz . $\qquad$ Net 1.98


## LAFAYETTE SPORTS GLASSES

- Worn Like A Pair Of Ordinary Glasses
- Weighs Less Than 3 oz . With Case

Handsome, lightweight. binocular quality sport glasses for viewing Indoor or outdoor events! Designed to be worn like ordinary eyeglasses, each optic individually focuses to match personal viewing requirements; can also be worn by people who require presciption glasses. High resolution, distortionfree lenses magnify 2.8 times. Soft rubber eye shields on each eyepiece cushions glasses against wearers face for maximum comfort without eyestrain, and prevents glare and reflections from extrancous light. Complete with black carrylng case and neck chain.
99 T 7217 L Shpg. wt., 10 oz . Net 7.95


DISTLER MINI-MOTOR


- Extremely Efficient
- Voltage 1 Range 1.5 to 6 V.D.C.

Exceptionally versatile miniature D.C. motor. Operating voltage from 1.5 to 6 volts D.C. Extremely low current drain. Will operate on voltages for above and below rated require. ments. Ball bearings afford maximum efficiency. Transparent plastic brush housingremovable brushes - tubular form. Overall size $23 / 4 L x 1^{\circ} 0$. Shaft $3 / 32^{\prime \prime}$. Weight $23 / 402$. Recommended for industriai and laboratory development work. Used in remote control devices, models, displays, etc. 602. 19 T 8015 Imported from Belgium_...Net 2.69

HOBBY MOTOR


- 1 to 1.3 Amps under load - 12 in 02. torque - $1 / 15$ th h.p.

A perfect power source for motorizing hobby tools, blowers, dental and jewelers lathes, sewing machines and displays. 5000 RPM full load and 15,000 RPM no load speed. CCW rotation facing shaft end. Steel housing - $31 / 2^{\prime \prime}$ long, less shaft, $\times 21 / 4 H \times 29 / 4^{\prime W}$. Two tapped $10-32$ mounting holes on 2 Ko" $^{\prime \prime}$ centers, $1 / 4^{\prime \prime}$ shaft. $1 / 4^{\prime \prime}$ long. Fan cooled, permanent ollite bearings, and external brush openings. 12 cord lead. Operates on $110 /$ 120 volts AC or DC. Shpg. Wi.. $11 / 2$ lbs. 19 T 2410

$69^{\circ}$

Expertly designed, minlature, D.C. permanent magnet motors. Highest power and speed to weight ratio of any miniature motor makes these a "natural" for models and remote control applications. Operates on $11 / 2$ to $42 / 2$ volts with 5000 to 6000 RPM speed. Utilizes phosphor-bronze brushes and brass sleeve bearings. Size $1 \times 11 / 0 \times 11 / 2^{\prime \prime}$. Shafts are 3/32" in diameter. Avg. shpg. wt., $40 z$. Complete with leads. Imported. 99 T 9002 Net ea. 69 Lots of 3 ea. . 59


- Eyepieces and Bartow Lens For 450x, 300x, 225x, 150x $90 X$ and $45 X$ - 900 mm Focal Length - Micromotion Con: trols For Horizontal, Polar, Declination - $41 / 2^{\prime \prime}(114 \mathrm{~mm}) \mathrm{F} / 8$ Spherical Aluminized Quartz Mirror - Barlow Lens Included
$41 / 2^{\prime \prime}$ spherical, aluminized quartz mirror gives wide, flat field of view and outstanding color definition. Three coated eyepieces provide magnifications of 45X, 150X, 225X; (with. Barlow lens 90X, 300X and 450 X ). Fast resolving power of 1.5 seconds and 900 mm focal length permits detailed viewing up to twelfth magnitude. $5 \times 24 \mathrm{~mm}$ right-angle, prismatic finder scope with cross hairs easily locates objects to be viewed. Micro-motion controls and equatorial mount with hour and declination circles provides complete control for tracking. Heavy-duty hardwood tripod with accessory tray adjusts from 33 to $60^{\prime \prime}$. Complete with lenses, Sun glass, Moon glass, Barlow tens. Scope size: $442^{\prime \prime}$ Dia., $36^{\prime \prime}$ long. Imported. Shpg. wt. 32 los. 99 İ $218 \mathrm{wX} \$ 5$ Monthly


## Metear

$\star 264 \times$ With Optional Barlow Lens
$4^{\prime \prime}$ Reflector


- Eyepieces for 132 and 64 X
- 4" $(100 \mathrm{~mm})$ f/11 Aluminized Quartz Mirror
- Aluminized First Surface Secondary Mirror

A fine, compact professionalify designed $4^{* *}$ reflecting telescope with carefully aluminized optics for exceptionally low IIght loss. Primary mirror is aluminized and quartz overlaid. Highly achromatic optical system features very low chromatic aberration. Adjustable wooden $48^{\circ}$ tripod with tray brace and convenient optical sight permit easy field use on uneven surfaces, Rack and pinion drive assures smooth focusing. Lightweight aluminum body has white baked enameloid finish. Specs.: Mirror Dia.: $4^{*}(100 \mathrm{~mm})$. Focal Length: 800 mm . Eyepieces: 25 and 12.5 mm Huygenian. Resolving Power: 1.4 seconds. Supplied with stand, sun filter, and two eyepieces. Imported. 99 T 7212wx Shpg. wt., 10 lbs
99 T 7054 Barlow lens for double power. Wt., 8 oz.
Net 29.95
Net 3.95

## 2.4" EQUATORIAL REFRACTOR

- Eyepieces for 160x, 00x, 402, Barlow Lens sives 320x, 176x, vox - 800 mm . focal length - $62 \cdot \mathrm{~mm}$ abjective - Micrometion djustments on both axes - Coated eptics throughout - Equatorial mount Objective: Fraunhofer-type achromat, hard coated, $62.5-\mathrm{mm} ., 800 \cdot \mathrm{~mm}$. focal length. Collects about 75 times as much light as the naked eye, resolving power 2 seconds, faintest discernible star 10.7 magnitude. Eyepieces are hard-coated Huygenians. $160 \times(5-\mathrm{mm}$ ), 88 x $(9 . \mathrm{mm}), 40 \mathrm{x}(20-\mathrm{mm})$. Barlow lens included give ranges of 320 x , 176 x and 80 x . Finder scope is $6 \mathrm{x}, 30 \cdot \mathrm{~mm}$. Tripod head with latitude adjustment. Clamp lever for declination and inclination. Accessories include sunglass, star diagonal, erecting prism, sun projection screen, field tripod, wooden case. Rack-and-pinion focusing. Heavy plating to prevent rusting. Imported. Shpg. wt. 30 lbs . $99{ }^{9} 7032 \mathrm{wx} \$ 5$ Monthly ( 400 x with Barlow Lens).

Net 79.50 $4-\mathrm{mm}$. orthoscopic eyepiece for 200 x 99 T 7043

Net 8.95

## Astra 3aom

## 2.4" Zoom Refractor



An outstanding optics buy that combines a sharp 2.4 inch refractor with a $\mathbf{z o o m}$ objective to provide an infinite range of possible magnification powers. Suitable for the beginner or amateur astronomer. Rack and pinion assures smooth focusing. Lens system focus. es from 13 ft . to infinity. Lightweight aluminum body features baked enameloid two-tone beige finish. Adjustable $50^{\prime \prime}$ wood tripod permits use on uneven surfaces. Specs: Objective Dia.: 60 mm . Focal Length; 400 mm . Zoom Eyepiece: 20-80X. Fixed Eyepiece: Huygenian $4 \mathrm{~mm}(100 \mathrm{x})$. With stand, sun filter, 100 m and fixed eyepieces. Imported. Shipg. wh., 10 tos.
99 T 1213 WX \$5 Monthly
99 T 7054 Barlow Lens for Double Power. Wt., 802
Net 49.95
Net $3.9=$


## LAFAYETTE TELE-CAM ADAPTER

- Adapts Most Cameras to Your Reflector or Refractor Telescope For Permanent Records of Your Observations
Make permanent visual records of your astfonomical observations, wildlife sightings etc. This easy to use adapter matches most cameras to virtually any reflector, refractor, or fixed lens telescope. Accurate, motion-free alignment as. sures you the finest plctures dossible from your equipment. May be used with Interchangeable or fixed lens cameras. With complete instructions. Imported. Shpg. wt. 1 lb.
99 T 7194


## 2X BARLOW LENS



Provides greater eye relief even on short focal length eyepieces. Sharpens definition and reduces image deterioration by permit. ting use of lowpower eyepieces to achieve high magnification. This also provides for greater illumination and a wider field. Accepts eyepieces of $24.5-\mathrm{mm}(.97 \%$ 0.D. and fits draw tubes of that size. Imported 99 T 7054 Shpg. wt., 1 lb .
Net 6.95

## Spotting - Rifle - Sport Scopes

## LAFAYETTE 8-25X $30-\mathrm{mm}$ ZOOM SPOTTING SCOPE

- Zoom Any Power From 8X to 25X
- Quick Focusing With Table Top Tripod

An outstanding varipower spotting scope that is ideal for any "spotting" need in field or general use . . . shooters, bird watchers, etc. Features 30 mm coated lens for brilliant viewing. Fingertip controls for quick zooming and focusing. Has a built-in camera tripod socket. Includes a table-top tripod with rubber-tipped legs that prevent scratching of furniture. Compact, lightweight and portable .... Ideal for taking it everywhere you go. Complete with black, zjppered carrying case with convenient beit loop. Overall length of scope is $12^{\prime \prime}$. Imported. Shpg, wt., 3 lbs.
99 T 7192
DELUXE $13-40 \mathrm{X} \mathbf{4 0} \mathrm{mm}$ ZOOM SPOTTING SCOPE - Zoom Any Power From 13X To 40X

Same unique design as above but with more power and larger $40 \cdot \mathrm{~mm}$ objective. With tripod less case. Overall Length $16^{\prime \prime}$ 9917219 Shpg. wt., 41/4 lbs.

Net 22.95


15-30X ZOOM SPOTTING


No Money
Down

30X, 60 mm SPOTTING

$10 \times 30 \mathrm{~mm}$ TELESCOPE


- Portable-Compact- Lightweight

The perfect companion for shooting, hunting and nature fans. Field of view is 85 feet at 1000 yds.! High relative brilliance due to 60 mm objective lens. All optics are coated. Equipped with a $111 / 2^{\prime \prime}$ tripod and zippered leather carrying case. Exceptionally small and light. Imported. Shpg. wt., 3 lbs. 99 T 7015

A 10 power. 30 mm internal (front) focus
telescope that is compact. lightweight and portable-ideal for taking it everywhere you go. Features coated achromatic lenses. Has built-in camera tripod socket. Sturdy tripod supplied with rubber-tipped legs that prevent scratching. Imported.
99 T 7071 Shpg. wt., 2 lbs._._Net 6.95

Any power from 15x to 30x! Ideal for any "Spotting" Need. Pan-head, elevator tripod mount included. Perfect all round scope. Powerful, small lightweight, brilliant view ing. All aluminum and chromed brass. Imported. Shpr. wt. 5 lbs. 99 T 7101 \$5 monthly

## (i) <br> Bushnell

3-9X ALL PURPOSE VARIABLE RIFLE SCOPE

## LAFAYETTE $8 \times 24$ MINI-SCOPE

- Includes 6x Super Wide-Angle ( $11^{\circ}$ ) Objective
- Fits in Palm of Hand
- Use as Close-up Magnifying Glasses
- With Universal Mount
- Centered Crosshair Reticle
- Sealed Against Moisture - Coated Optics

Has all the power needed for a high degree of accuracy on distant targets! Universal mounting principal fits most center-fire riftes... can be easily moved from rifle to rifle. Scope is nitrogen filled and fog resistant. Features bright, distortion free, hardcoated, high quality optics. Varlable power settings: $3 x, 4 X$ and 9 x . Field of view at 100 yds .: $39^{\circ}$ at $3 \mathrm{X}_{;} ; 3^{\circ}$ at 9 x . Windage and elevation adjustments hold point of impact. Eye relief: 3 to $3.75^{\prime \prime}$. Mount and scope constructed of hard, Iustrous, anodized, scratch resistant metal. Objective diameter 32 mm . Overall length: 11.2" Scope weight 1202 . Shpg. wt., $11 / 2$ lbs.
15 T 1102 \$5 Monthly
Net 36.95

## 3-7X 20MM ZOOM RIFLE SCOPE



- Cross Hair Reticule - Hard Coated Lens
- Internal Windage And Elevation

Now, a zoom rifle scope especially designed for .22 's. Hard coated lenses feature finest quality optics with constant brilliant sharp sighting through full power range. Field of view: 30 ft . at 100 yds. @ 3 power, 16.8 it . at 100 yds. @ 7 power. Fine cross hair reticule pinpoints target. Easy, last installation with all ${ }^{22}$ 's that have grooved receivers, internal windage and elevation adjustments for positive "zero-in." Eyepiece diameter: 1 ". Tube diameter $1 / 4$ ". All parts and components are precision built and weather resistant. Eye relief is 2 to $3^{* *}$. Imported. Shpg. wt., 1 lb . 15 T 6401

## only $12^{95}$



Versatile, precision pocket telescope provides powerful 8-power optics, yet slips into your pocket. Ideal for travel, hiking or nature study. For a larger field, quick-change to the $6 x$ extra-wide view 18 mm lens. Pulls in the action at footbalt, hockey, and shows. 24 mm coated lens provides 435 ft . viewing area at 1000 yds., 18 mm coated lens gives 575 ft . viewing area. With soft zippered case, wrist strap. Imported. Shpg. wt.. 1 lb
9917215
Net 12.95

## 4X RIFLESCOPE



- Internal Adjustments
- Cross Hair Reticule

Popular all-around scope for the small game hunter. Bright field, approx. 30 feet at 100 yards. Eye relief distance from $31 / 2$ to $41 / 2$ inches. Eyepiece diameter. "'" tube diameter $3_{4}{ }^{\prime \prime}$. Hard coated, achromatic lenses reduce glare, Internal windage and elevation adjustments for positive "zero-in." Fine, cross hair reticule pinpoints target. Featherweight, weather-resistant, precision built. Easy, fast installation with all .22's with grooved recelvers, some air rifles. Imported. Shpg. wt., 1 Ib.
99 T 7160


## VERSATILE BINOCULARS

Precise design-quality material-and expert workmanship. All tenses are hard coated-prisms clamped in lightweight alloy frame and body-sealed against dust and moisture-properly collimated and aligned. All aie center focus with adjustaole right eyepiece. Hard lined case and neckstraps included.
$7 \times 35$ POPULAR, VERSATILE, ALL PURPDSE BINOCULARS. FOR the sportsmen-hunter-bird watcher-vacationer. Migh luminosity. Compact design. Imported. Shpg. wt., 3 lbs.

## 99 T 7018

Net 16.95
$7 \times 50$ NAVY STYLE NIGHT GLASSES. Favored for marine use. The choice of professionals because of exceptionally high light gathering power. Superior image brightness. Imported. Shpg, wt., $3 \sqrt{2} \mathrm{lbs}$.

## 9977016

Net 19.95
$20 \times 50$ KING of THE LONG RANGE. Hunters, mountain climbers, plane spotters, forest rangers-any long distance viewing and observation requirement. Imported. Shpg. wt., $41 / 2$ lbs. 99 T 7020

Net 26.95

99 T $7108 \$ 5$ Monthly


## EXTRA WIDE-ANGLE BINOCULARS

- Doubles The Field Of Ordinary Binoculars
- 580 Ft . Field Of View at 1000 Yards
- Oversize Oculars
- Exceptional Quality

A multi-purpose, precise $7 \times 35 \mathrm{~mm}$ binocular that is particularly adept for field studles. Wide-angle hard coated prisms permit brilfiant and close-up details of sporting events, without sacrificing the image, as is the case with regular narrow angle binoculars. Field of view at 1000 yards is 580 feet! Center focus and right eye adjustment insure perfect focus. All oplics are sealed against moisture and are properly collimated and alligned. Hard lined case for protective storage when not in use. Complete with neck strap. Imported. Shpg. wt., 4 lbs. 99 T 7019

- Net 27.95
© Bushnell
INSTA-FOCUS 7x35 Wide Angle Binocular

- With Hard Lined Case

$39^{95}$
- "Focus So FastYou'll Think It's Automatic'

Superb performance, both optically and mechanically. Focus fast and accurately with finger. Perfect for baseball, football, racing, nature study, and travel. When the action is fast, there's no tlme to adjust the focus as in standard binoculars. Exciusive "INSTA-FOCUS" changes focus so rapidly it's almost automatic. Reduces eye fatigue to a minimum. Wide field of coverage ( 578 feet at 1000 yds.). Blue coated lenses provide protection against reflected glare of water, sand, snow, and haze. With hard lined case. Shpg. wt., 4 lb. 15 T $1101 \$ 5$ Monthly

# Lab and Field Research Equipment 

## SUGAR REFRACTOMETER

－A Modified Abbe Design－Reads Percentage of Sugar in Solution
－Completely Portable－Fits in Pocket
－Accuracy $\pm 0.2 \%$ for Low Range Instruments一 $\pm 0.5 \%$ for High Range
An accurate hand sugar refractometer．Designed for accurate measurements of the percentage of sucrose or dissolved solids in solution．Particularly suited to the sugar industry．Permits accurate measurements，in the field，of sugar percentage in fruits and veg． etables．Equally suitable for use in the＂juice＂industry，in canning plant lab，candy，chocolate and jelly industries，soft drinis plants， breweries，argricultural as well as in other phases of chemistry and clinical pathology．Simple in operation－no moving parts except the focusing eyepiece．Completely color corrected optical train，per－ fectly clear field．Range of $0.32 \%$ ，reads directly to $0.2 \%$ ，easily estimated reading to $0.1 \%$ ．Accuracy $\pm 0.2 \%$ ．Includes adjusting screw driver，temperature correcting tables，leather carrying case and straps．imported．Shpg．wt．， $11 / 2 \mathrm{lbs}$ ． 99 T． $7036 \mathrm{~L} \$ 5$ manthly

Net 39.95
DIRECT VISION SPECTROSCOFE

－Focusable field
A simple accurate instrument for the spectroscopic analysis of emission spectra from light sources，vaporized chemical salts， solids，liquids and the Solar Spectrum．Convenient for experimental and student use．A broad dispersion fleld of high intensity is ob tained from several dispersing prisms of matched glass，while a high grade optical system yields good resolution，sufficient to sep－ arate $5769.6 \mathrm{~A}^{\circ}$ from $5790.6 \mathrm{~A}^{\circ}$ in the spectrum of a nuorescent lamp．The siit is preset and can be focused sharply by means of an eye plece draw－tube，assuring easy viewing and establishment of Fraunhofer lines of the Solar spectrum or bright lines of the emission spectra．Metal parts are made of chrome．plated，corrosion－proof brass．Supplied in fitted case．Imported．Shpg．wt．， 9 cz. 99 「7077L

Net 21.75


An economical，compact，self－contained source of both short wave and long wave ultra－violet light of medium intensity．For lab，home and fleld use where high intensity is not required．Operates from either AC house current or batteries．Easily carried－weighs only 1 lb．， 14 023．Portabllity extends its uses．Tvpical applications：fluores． cence demonstrations，mineral determination，prospecting．Special circuit has been designed for high efficiency，low drair operation． Tubes are easily replaced．Separate，extra large filter；for short wave and long wave and switch for independent operation of each source．Includes 6 identified mineral samples and a 12 －page book which describes some of the many uses of ultra－violet radiation． Comes complete ready for use－for $110-120$ volts $50 / 40 \mathrm{cps}$ ．AC Less batterles（ 2.45 V ＂ 8 ＂batteries required for portable use） Battery adapter case optional．Size： $51 / 2 \times 2 \times 81 / 2 "$ ．Shpg．wt．． 4 lbs 15 T 4504
Battery Adapter Case with adjustable shoulder strap．Shps．wt．． 2 lbs 15 Y 4505 Net 7.75 45．Volt＂$B$＂Battery（ 2 required for battery operation）．Shpp．wt． 3 oz 32 Y 4810 ．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．ea． 2.97

## U／V FLUORESCENCE ACCESSORY SET

Contains 16 different items including：invisible water paint（ 4 colors），invisible tracer powder，invisible writing ink phosphoragram， UV transmitting and absorbing clear plastic，invisible dye， 10 yds， fluorescent elastic cord．48－page＂Story of Black Light＂book of experiments．（Not Illustrated）．Shpg．wt．，11／2 Ibs．
15 T 4506
Net 7.95

A

## 40 WATT ULTRASONIC CLEANER

a Model LP－1HO．Completely self－contained easy－to－handie ultra－ sonic cleaner capable of serving a variety of cleaning applications， Automatic 5 －minute time switch turns unit off when cleaning cycle is finished．Control dial for Low and High Power Operation．Stainless steel worktop and sides protect unit against spills and splashes One－Pint Stainless Steel cleaning tank cannot be marred or harmed by any normaal cleaning agent or solvent，warm or cold．Ideal for removing grease，tar，wax，sulphides，fluxes，and fingerprints from components，miniafure mechanisms and a variety of other precision parts．Generator Freq．： 90 KHz ．，RF input power： 40 watts．Uses no tubes or transistors．Dimensions $91 / 2 \times 5 \times 45 / 8^{\prime \prime}$ ．See listing below for solvents．
15 Y $2302 \$ 5$ monthly．Shpg．wt．， 6 lbs．
Net 69.95

## 20－WATT HOME ULTRASONIC CLEANER

B Model LP－2．A low cost ultrasonic cleaner that has most of the advantages of larger models．A convenient $31 / \mathbf{e n}^{\prime \prime}$ diameter $x 11 / 2^{\prime \prime}$ deep round Pyrex Beaker with standoffs may be filled，emptled and objects rinsed without moving the basic cabinet．The cleaning liquid is cavitated at an ultrasonic frequency of 90 kHz （nominal）． With automatic overheat cutoff．Uses no tubes，transistors or com－ plicated electronic circuitry．Entire cleaner is housed in an attrac－ tive metal and stainless steel cabinet measuring $6^{\prime \prime} \times 4^{\prime \prime} \times 4^{\prime \prime}$ ．See listing below for solvents．Operates on 110 volts 60 Hz AC ．Shpg． wt． 6 lbs．
15 $\uparrow 2303 \$ 5$ Monthly
Net $\mathbf{3 9 . 9 5}$

## DiSONtegrator ${ }^{8}$ ULTRASONIC CLEANER


－Employs an Advanced Cleaning Process
－High Capacity－1／2－Gallon Tank
80．watt Average Output Generator
A new standard of timesaving，immaculate cleaning．A special trans－ ducer tocated in the solvent tank is excited by an ultrasonic gener－ ator（at 90.000 cps ）．It sets the solvent in agitation，producing micro－ scopic bubbles（cavitation）which disintegrate dirt particles．Soll can be removed from the finest crevices without damage to delicate parts．DisONtegrator Ultrasonic Cleaner consists of a 80 －watt pulse generator and a $1 / 2$－gallon cleaning tank．Tank constructed of stain－ less steel with 4A grade polish．Specifications：Input 110－117V．50／60 cycles；Output 90 kc － 80 watts，avg．， 320 watts peak．Generator size： $12 L \times 93 / 4 W \times 7^{\prime \prime} \mathrm{H}$ ．Tank size： $61 / 4 L \times 7 \mathrm{~W} \times 61 / 2^{\prime \prime} \mathrm{H}$ ．Complete with $4^{\prime \prime}$ connecting cable and 1 －year free service guarantee．Exterior of tank and generator finished in baked enamel gray．See listing below for solvents．Shpg．wt．， 26 lbs．
15 T $8501 \mathrm{wx} \$ 6.50$ monthly
Net 129.95

## 30－WATT ULTRASONIC CLEANER

For cleaning small manufactured parts－electrical contacts，contact lenses，dentures，bearings，jeweiry，etc．Generator output 30 watts average， 120 watts peak．Inside tank dimensions： $33 / 8 \times 35 / 8 \times 3^{"}$ deep， 1－pint capacity．Shpg．wt．， 24 lbs．
15 「 $8502 \mathrm{Wx} \$ 5$ monthly
Net 99.95

## 120－WATT ULTRASONIC CLEANER

－ $11 / 2$ Gallon Tank
An extra high capacity cleaner widely used in electronics，automotive and other precision instrument fields．Valuable in all areas of ap－ plied medicine．Polished stainless steel tank size（inside）： $123 / 4 \times 7 x$ $84 /^{\prime \prime}$ high．Generator output： $90 \mathrm{KHz} @ 120$ watts average． 480 watts peak．32－pare manual．Shpg．wt．， 20 lbs．
15 I s503WX $\$ 12.50$ monthly
Net 248.95
SONitizer（8）Ultrasonic Cleaning Chemicals．Shpg．wt．， 9 Ibs．Der gal．


15 Y 8505 Detergent Concentrate， 1 gal ．
Net
Net


YASHICA SUPER 8.60E 6-1 POWER ZODM


## 8AUER C2M SUPER 8 5-1 REFLEX POWER ZOOM

## $154^{95} 199^{95}$ <br> No Money <br> Down

506018

- $8-48 \mathrm{~mm} \mathrm{f/1.8}$ Automatic Zoom Lens
- Motorized-3-Speeds
- With Ultra-Modern

Servomatic CdS
Thru-the-Lens
Exposure Control

- Reflex Viewing

Deluxe efectric drive Super 60 Electronic reflex camera with fas electric $/ / 1.8$ lens $z 00 \mathrm{~ms}$ from 8 to 48 mm . Automatic CaS through-the-lens exposure system and micro-split focusing. Other features include film type indicator window, parallax free reflex viewing, shutter trigger with continuous run button, spotlight and background ilghting control, automatic film ASA speed selector, insufficient light indicator, remote control, single frame, and cable retease sockets, 85A filter, battery checker, footage counter, and movie light slot. ASA Speeds: 25-400. Film Speeds: 12, 18, 24 fps. Imported. $15 \mathrm{~T} 3640 \mathrm{~L} \$ 8$ Monthly. Shpg. wt., 3 lbs.... Net 154.95

$$
\text { YASHICA SUPER } 8-40 E
$$

Similar to above but with Yashinon $1 / 1.8,4: 1$ power zoom from 9 to 36 mm . Imported. Shpg. wt., 3 lbs.
15 T 3642 L \$7 Monthly
Net 129.95
99 T 6258 Batteries for above ( 4 required) ........Netet. . 10

Versatile, $5-1$ reflex 200 m movie camera with a range from 8.40 mm . features 3 filming speeds of 12, 18, and 24 fps plus single frame, very sensitive, behind-the-lens metering system controls exposure automatically or allows manual override. Battery condition light and $\mathrm{f} / \mathrm{stop}$ indicator are visible in viewfinder. Focuses from 3 ft . to infinity. Features: auto-resetting footage counter; film type indicator window; built-in " $A$ " filter; permanent hand grip; contured rubber eyepiece, diopter adjustment; rubber sunshade.
Imported from W. Germany. Shpg. wt., 3 lbs.
15 T 3720L $\$ 10$ Monthly. Net 199.95

## BAUER CIM SUPER 8 MOVIE CAMERA

Similar to atove but with Baver Vario 4:1 200 m , range from 9.36 mm . 18 and 24 fps. Focuses from 5 tt to infinity.
15 T 3721 L \$7.50 Monthly. Shpg. wt., 3 lbs. $\qquad$ Net 139.95
99 T 6258 Batteries for above ( 4 req.) Net ea.

YASHICA SUPER 825 REFLEX ZOOM


No Money Down

- Automatic Thru-the-Lens Exposure Control
- Zoom 12.30 mm , f/1.8 Lens

Brilliant reflex viewing with behind.thelens CaS metering system for automatic or manual exposure. Over/under exposure Indicator warning in viewfinder. Manually operated, 2.5:1 200 m from 12.30 mm . with $\mathbf{f} / 1.8$ lens. Focuses to under 4 ft . Features battery operated motor film drive; shutterlock; foldaway pistol grip; slioe. rule footage counter. ASA settings: 25, 40, and 100. With battery check meter and bulit-in "A" filter keyed to movie ligtt. Imported. Shpg. wt., $21 / 2$ lbs.
15 T 3643 L \$5 Monthly
Net 79.95
YASHICA SUPER 8-40
Similar to above but with $1 / 1.7$ lens, $4: 1$ power $200 \mathrm{~m}(\$ 36 \mathrm{~mm}$ ). 18 and 24 frames per second and single frame provision. Shipg. wt., 3 lbs.
15 T 3633 L \$ Monthly $\qquad$ Net 109.95
99 T 6258 Batteries for above (4 required) $\mathrm{N}=\mathrm{tea}$. 10

## VICEROY SUPER 8 5.1 POWER ZOOM

- Big 5 to 1 Power Zoom ( $8.5-42 \mathrm{~mm}$ )
- Fully Automatic Thru-the-Lens CdS Electric Eye
- Thru-the-Lens Reflex Viewing
- Two Film Speeds: 18 fps for Standard, 24 fps for Slow Motion


Super 8, instant loading reflex movie camera has no bothersome threading. Accurate CdS light sensor automatically gives proper exposure under varied light conditions. Custom designed sculptured grip allows camera to be used for prolonged periods without tiring. Battery powered 200 m lens and film drive provide unmatched convenlence. Camera features sharp, $\$ / 1.8$ focusing room lens with viewing thru the lens. Focuses to under 5 ft . Features include: high or low light warning signal; built-in battery checker; adjustable eyepiece; 18 and 24 frames per second. Strong, lightweight cast aluminum body. Imported. Shpg. wt., 4 lbs.
15 $17813 L \$ 5$ Monthly $\qquad$ Net 99.95 99 T 6258 Batteries for above ( 4 req.)

Net ea
.10

## Deluxe 8MM Movie Projectors



- Built-in Viewing Screen

Model 999 dual 8 projector shows all standard and super 8 movies through builtin viewer or by brilliant screen projection through an $f / 1.3$ room lens! Switch contverts projector from standard 8 to super 8 film. Features automatic threading and loading, automatic instant-start, automatic light coordinator which tums off room IIghts when projection lamp goes on, single frame projection, variable speed forward and reverse, rapid rewind and ul-tra-sharp 200 m projection lens. 400 ft . reel capacity. Built-in film cutter. Sturdy diecast aluminum construction. For 110 volts 50/60 Hz AC. Shpg. wt., 20 tbs.
15 T $5210 \mathrm{Wx} \$ 7.50$ Monthly _ Net 139.95
Model 909 Oual 8 projector similar to
above less built-in viewer.
15 T5209wx $\$ 7$ Monthly__ Net 124.95


No Money Down

DUAL PROJECTOR FOR BOTH SUPER AND STANDARD 8


DUAL PROJECTOR FOR BOTH SUPER and Standard 8


## Bell \& Howell AUTO LOAD SUPER 8 mm PROJECTOR <br> $\qquad$

## $81^{95}$



- Film Selector Switch From Standard To Super 8
- With Self Contained Case MOOEL OP.7872. Cool running compact projector with advanced engineering features provides high brilliance from movies taken with any 8 mm camera super or standard 8 mm . Zoom lens assures sharp color reproduction. Selection of Super or standard 8 mm film is made by the flick of a switch. Other quality features include reel-to-reel threading, multiple speed control plus instant forward/reverse and rapid rewind, single frame stilis, built-in film trimmer, automatic room light receptacie. Rugsed motor is factory lubricated for years of operation. 400 ft . reel capacity. 20 lbs . 15 T S211wx \$5 Monthly ___ Net 99.95

Viceroy 801 SUPER 8 AUTOMATIC MOVIE PROJECTOR


- Automatic Reel to Reel Threading
Model 356 Sharp 1" f/1.6 lens enhances all home movies. Brilliant iltumination system allows enlarged viewing without light fall off. Oesign gives you finger-tip control of framing, lilt, and direction. Features automatic loop setter, still pic. ture control, touch threading, and motor cooling switch. Rugged construction has built-in film cutter. Complete with $400-\mathrm{ft}$. reel. Wt. 20 lbs.
15 f 6501 wx $\$ 5$ Monthly ___ Net 11.95
Model 3572 Same as above but with $/ 1.6$
Flimovara Zoom Lens, automatic reel to reel threading, dial focusing, and cord storage door.
15 J 6502 Wx \$5 Monthly
Net 99.95
$\qquad$




## Movie Editors And Accessories

## ATLAS.WARNER DUAL 8 EDITOR

For Both Standard and Super 8
 - Over 17 Sa. In. Viewing Screen
arge screen editor with over 17 sq . In. of viewing area. Film slips in place in seconds; notches in exact frame that is being viewed. Takes reels up to 400 ft . Smooth and rapid rewind operates without scratching film. Adjustment knob for critical focusing. Foldaway arms for convenient storage. Die cast construction, with dry splicer and splicing tape. Size: $91 / 2 \times 7 \times 61 / 2^{*}$. UL listed. Shpg. wt., $71 / 2 \mathrm{lbs}$
15 T 8409 Net 25.50 For Super 8 only, similar to above. Net 20.95

## DELUXE ZOOM MOVIE CASE

- Adjustable Shoulder Strap
- Nickel Plated Hardware,

Holds substantially any super 8 camera with attached hand erip.
Made of exquisite black vinyl material, firm core and fully lined, with French stitching. Ample space also provided for camera ac-
 15 I 1605

## Nat.

## SPORTPOD

## - Use It Anywhere

- 3-Section-Extends to 58" The Sportpod is a 3 -section leg with tripod screw on top. protected with a removable cap. Offers rigid camera support with least possible weight and bulk. Supplied with sus. pension strap. Total extended length is $58{ }^{\prime \prime}$; telescopes to $21 \frac{112^{\prime \prime}}{}$. Sections measure $7 / \mathrm{A}^{7^{\prime}}$, $y_{4}$ " and "th" in diameter. Shpg. wt., $11 / 2$ libs. 15 T 3601


## DUAL-B FILM SPLICER

Universal splicer for Super 8 and Regular 8 film. " S " shaped cutting blade pre vents film flexing or pop-out during pro. jection. With small supply of splicing tape.
15 Y 3645


Mylar Splicing Tape ( 36 splices) 15 T 6602 For Standard 8 15 16605 For Super 8

## TITLE LETTER SET



Title your sllides or 8 or 16 mm movies with 3.0 letters. Set contains 119, $\mathbf{3 / 4}$ "H retters, characters, and symbols. Make animated titles
 easily and simply. Self-stick back lets you mount them anywhere. Letters are clear and crisp for easy legibility. Blue color. 15 I 3644 Shpg. wt., $11 / 2$ lbs. ....... Net 4.49

## $3^{99}$ 99

baia mark il hevewerreditor 2 与

- Single Sprocket Drive - $31 / 4^{\prime \prime} \times 214^{\circ \prime}$ Viewing Screen Compact Super 8 mm viewer with prismatic shutter magnifies picture more than 300 times. Features slip-in flim loading that eliminates threading. Uses single sprocket drive to assure no skipping or film wear. Features automatic framing and focusing. fold-away butt type one step splicer. folding $400 . \mathrm{ft}$. capacity rewinds, and a convenient frame marker. Complete with supply of Mylar splice tape and Uniflex Splicer. Shpz. wt., 4 Ibs.
15 Y 3637 For super 8 mm
ard 8 mm
15 T 3638 Shpg. wt., 4 lbs.
Net 13.50
Net 13.50


## SUPER 8 SEALED-BEAM MOVIE LIGHT

- Head Tilts for Bounce Lighting

Compact, powerful 650 watt tungsten sealed beam lamp will provide sparkiling, bright indoor movles. Features top mounting and switch on power cord. Will fit all new super 8 mm cameras plus all standard 8 mm cameras with tripod socket on top, with $61 / 2 \mathrm{ft}$. cord and exposure guide. UL listed. 15 T 8406 Shps. wt., $31 / 2 \mathrm{lbs}$.


#### Abstract

Net 5.95


## DELUXE G50 WATT QUARTZ MOVIE LIGHT

- Head Tilts for Bounce Lighting
- For All Super-8 Cameras

Shoot brilliant movies indoors. Long life, quarts-bromine movie light for maximum output. Small, all metal unbreakable housing with builtin on/off switch. UL listed. with $61 / 4 \mathrm{ft}$. cord. Shpg. wt., 1 ib . IS Y 6800

Net 9.95


## DELUXE LENTICULAR SCREEN

## SUPER-8 MOVIE VIEWER

See your home mov. les the moment you receive them. Easily portable unit can be taken anywhere in the home or when visiting friends. Builtin illumination. Has optical type shutter. Fitm is advanced or
 reversed easily, even single trames can be viewed. Lightweight, high impact plastic housing. Shpg. wt., 1 ib.

## 15 T 3454

Net 8.85

## AUTO-THREAD REEL AND CAM

A fully automatic self. threading take up reel. Designed for all standard projectors. Quality constructed with a precision diecast hub and sturdy flanges. $400^{\circ}$ capac. ity. Shpg. wt., 1402.
 15 T 4105 ...... Net . 79 IS $\mathrm{I}^{2} 4107200^{\circ}$ Capacity Net .59 For Super
Reel and Can. 400 Capacity.
15 I 4106 .................................... Net . 79
15 Y $4108200^{\circ}$ Capacity
Net .58

- Automatic

Lever-Type Handle
Permits Smooth And Easy
Adjustment

$$
10^{95}
$$

Specially-designed, optically-correct lenticular screen is free of glare, sheen and hot spots. Amazing sharpness and color rendition. Durable vinyi fabric resists fire and fungus. Sturdy, secure tripod legs. Screen is $40 \times 40^{\prime \prime}$. Shpg. wt. 12 lbs.
15 T 5005 w
Net 10.95
Same as above. Extra Large $50^{\prime \prime} \times 50^{\prime \prime}$ Super Screen-Ideal for New Super 8 Movies. Shpg. wt., 14 lbs.
15 T5021W
Net 16.25
CLASS BEADED SCREEN
Fine grain glass beading for extra brilliance excellent viewing. Heavy-duty folding tripod adjustable to various heights. Large $30^{\prime \prime} \times 40^{\prime \prime}$ size. Shpg. wt. 10 lbs.
15 † 5003 w.
Net 6.95


## YASHICA <br> LYNX -5000E <br> $79^{95}$ <br> with case <br> No Money Down

- Unique Electronic Integrated Circuit CdS Exposure System
- Combination Range and Viewfinder-Exposure Signal In Viewfinder

Modern easy to use camera with cas exposure system that uses "space-age" electronic circuitry for accurate exposure every time. "Over" or "under" signal appears in the viewfinder indicating which way to adjust the speed or aperture. Lamp turns off when correct exposure is set. Other features include shutter speeds from $1.1 / 1000$ th plus $B$, convenient speed aperture coupling, $M \& X$ synch, automatic parallax correction, rangefinder focusing, seff-timer, single stroke film advance with double exposure prevention, au-to-reset film counter, rapid rewind and an accessory shoe. ASA range is 10 to 800 . Includes $45 \mathrm{~mm} / / 1.8$ color corrected lens, case and strap. Imported. Shpg. wt., 3 Ibs,
15 T $3646 \mathrm{~L} \$ 5$ Monthly


Net 79.95

KONICA AUTO S2 35MM

- Automatic, Semi-Automatic, or Manual
- Fast 45 MM f/1.8 Lens
- CdS Electric Eye

with case
No Money Down

Just set the shutter and shoot with this fully automatic 35 mm camera. Features a cos electric eye built into the lens for accurate exposure even when using filters. Shutter automatically lochs under extreme lighting conditions. Usos Insta-Grip-Loading for quich, easy flim loading. Other features include rangefinder focusing with auto matic parallax correction, short stroke film advance, shutter speeds from $1-1 / 500$ th and $8, M \& X$ synch. silf-timer, and an auto-resel film counter. Can be used automat cally, semi-automat ${ }^{\prime}$ cally or manvally. Includes a fast $45 \mathrm{~mm} 1 / 1.8$ lens with a built-in collapsible lens shade, case and strag. Imported. Shpg. wt., 3 lbs.

## 15 I 7606L \$5 Monthly

Net 89.95

## AUTO EL II 35 MM

- CdS Electric Eye - Fast 45 MM F/1.8 Lens - Aperture Readings Are Visible In The Viewfinder Just focus and shoot! Perfect exposure is assured by the fully automatic cross coupled cas exposure meter. Camera functions automatically with a manual override. Features shutter speeds from 1-1/500th and $B$, ftash synch. at all speeds, combination range/viewfinder with parallax correction marks, f-stop and warning signal appear in finder, rapid film advance, and an auto-reset film counter Includes 45 mm $1 / 1.8$ 5-element lens case and strap. Imported. 15 T $7206 \mathrm{~L} \$ 5$ Monthly. Shpg. wt., 3 lbs.

Net 59.95
Taron Auto EL II similar to above with an $\mathbf{f / 2 . 8}$ lens
15 17207 L \$5 Monthly
Net 44.95


Designed for simplicity of operation and ease of maintenance. 500 watt lamp assures sharp brilliant pictures. Projects any 35 mm , Bantam, 127, or instamatic slides. Does not require slide trays, Loads up to 40 slides and allows intermix of different size slides. Uses standard projection lamp. Compact- $53 / 4 \mathrm{H} \times 14 \mathrm{Lx} 81 / 2 \mathrm{~W}$. For $105 / 120$ volts $50 / 60 \mathrm{cps}$.
15 T 8401 Shpg. wt., $71 / 2 \mathrm{lbs}$.
Net 26.95

- Includes Remote Control for Forward/Reverse and Micro Focus
- 500 Watt Quartz lodine Lamp
- 4" 3-Element Color Correct Lens
- Complete With Circular Magazine For 100 Slides Fully remote controlled projector with a sharp $4^{\prime \prime}$ lens and a 500 watt quartz lodine lamp for brilliant screen viewing. Features a highly efficlent blower for cool, quiet operation, slide preheat to insure immediate focus, thermo-cutoff to prevent overheating, panel focus control, elevation control, 3-way on/off switeh, and a smartly designed self-contained unbreakable case.
15 T 3647 w \$5 Monthly. Shpg. wt., 10 lbs
Net 59.95 100 Slide Circular Magazine

Net 2.79
15 T 3648 Shpg. wt., 1 lb.
Net 1.99


## MIRANDA "SENSOREX" 35 MM SLR

## - Behind-The-Lens CdS Spot Meter

## 20995

## No Money Down

- Variable Delay Self-Timer

Fully automated SLR camera utilizes cross-coupled behind-the.lens CdS spot-meter (ASA range 2S-1600 and EV 3-18) and ultrasharp Auto Miranda lens. Hlumination is measured with the len; wide open and exposure is set by adjusting i-stop and/or shutter speeds. Multi-split-grid resolves into perfect clarity when pin point focus is achieved. Features interchangeable lens mount, built-in self timer, instant return mirror, interchangeable viewfinder, and rapld advance $150^{\circ}$ cocking lever. Complete with built-in variable delay self-timer. Includes case and strap. Specifications: $50 \mathrm{~mm} \quad 1 / 1.9$ lens. Speeds: B, 1-1/1000th sec. FP \& $X$ synch. Imported.
15 T 3711L $\$ 11$ Monthly. Shpg. wt., 3 Ibs.
Net 209.95

## Minolfa SR-T 101 35MM SLR

 $219^{95}$ with case No Money Down- Cross Coupled CdS Thru-The-Lens Exposure System
- F/1.755 MM Lens


A quality SLR featuring Minolta's "contrast light compensator" thru-the-lens CdS metering system. Exposure "match-needles" in viewfinder respond to change in aperture and/or shutter speeds. Readings are taken with lens wide open. ASA range is 6-6400. Features: an instant return mirror; a focal plane shutter with speeds from 1-1/1000th plus $8 ;$ FP\&X synch.; auto-reset frame counter; selftimer, and built-in accessory shoe. Includes a $55 \mathrm{~mm} / / 1.7$ lens, case and strap. Imported. Shpg. wt., 4 lbs.
15 T 3455L \$11 Monthly.
Net 219.95
KAPCO SLIDE PROJECTOR

- Projects all $2 \times 2$ Slides
- Lever Focusing-Off/On Switch

Compact projector uses a wide angle coated 3 -inch lens for sharp, brtiliant color pictures. Utilizes optional Jamproof slide cartridges for fast, easy set-up. Features double condenser precision optical system, elevation control, and standard easy change butb. Use with or without cartridges. Size: $7^{\prime \prime} 2 \times 2^{\prime} H \times 4^{\prime}$ W. U.L. listed. Shpg. wt. $11 / 2$ lbs.
15 T 3635
Net 0.50
Set of four slide carriers for above projec tor. Holds 24 slides.

## 15 T 3636 Shpg. wt., $1 / 2 \mathrm{lb}$. <br> Net . 79

## COMBINATION GRIP AND BOUNCE FLASH BRACKET

Useful combination of grip and standard utilliy bracket. "Bounce Flash" bracket with lock allows easy multi-angle flash operation for electronic strobes or standard flash guns. Bracket is also useful for holding exposure meters and other camera accessories. Molded pistol handie affords solid grip. Permits ultra safe carry for your valuable camera. Imported. Shpg. wt., 1 lb .

## MIRANDA "SENSOMAT" 35MM SLR

- Shutter Speeds to 1/1000th
- Thru-The-Lens CaS Meter
- Sharp 50 MM F/1.8 Lens
with case
No Money Down
"Sensomat" is a truly versatile 35 mm SLR featuring a thru-the-lens CdS metering system with a narrow angle of acceptance for easier, more perfect picture taking. Match needle in the viewfinder can be centered for proper exposure by rotating the diaphragm and/or the shutter speed dial. ASA range: 25-1600. Other features include fully interchangeable finder and lens systems, shutter speeds of $1-1 / 1000$ th plus B, FP \& $X$ synch., automatic: reset film counter with a magnifying lens, and a front and top shutter release for greater convenience. Focus from 17". Camera includes $50 \mathrm{~mm} 1 / 1.8$ auto lens, case and strap. Imported. Shpg. wt., 3 lbs.
15 T 3722L \$8 Monthly
Net 159.95


## YASHICA "TL-SUPER" 35 MM SLR

$184{ }^{95}$
with case No Money Down

- Self-Timer
- Thru-The-Lens Exposure Meter
- Shutter Speeds to $1 / 1000$ th


Yashica "TL-Super" 35 mm SLR features a fast $50 \mathrm{~mm} / 1.76$-element lens, and a behind-the-lens CdS exposure meter for sharp. properly exposed pictures. Advanced twin-cell meter uses the sim. ple "match-needle" system and readings are taken by the dia. phragm stop-down method. ASA range is $25-800$ (EV 2-18). Features an instant return mirror with lock-up, shutter speeds of $1-1 / 1000$ th and 8 , single stroke film advance. FP \& $X$ synch, and a built-in accessory shoe. Imported. Shpg. wt., 4 lbs.
15 T 3634L $\$ 10$ Monthly
Net 184.95
Kowera "SET" 35MM SLR

## Only $99^{95}$ <br> with case No Money <br> Down



## - Fast f/ 1.8 50MM Lens

## - Behind-The-Lens CdS Meter

Kowa "SET" utilizes a fully coupled behind-the-lens cds exposure meter system. Accurately measures illumination with the lens at full aperture. Match-needles, visible in the viewfinder, are aligned by setting the desired shutter speed and setecting the proper 1 -stop, or setting the desired aperture and lining up the correct shutter speed. ASA range is $10-800$. Finder uses a microprism dot in the center for more accurate focusing, and a fresnel collar for a bright edge-to-edge view. Features an easy film loading system, leaf shutter with speeds from $1-1 / 500$ th and $B$, rapid advance lever, autoreset film counter, self-timer, and a $50 \mathrm{~mm} / / 1.8$ lens. M or X synch. Imported.
15 T 63041 \$5 Monthly. Shpg. wt., 2 lbs.

# Photo Flash-Tripods and Other Accessories 

## LAFAYETTE TRANSISTORIZED ELECTRONIC STROBE FLASH <br> $16^{95}$

- Lightweight \& compact
- Fully Transistorized - Operates On 4 Economical "AA" Cell Batteries

Now you can have a high-powered transistorized electronic flash that operates from standard AC house current or 4 economical "AA" cell batteries. Compact and feather-weight-no power pack is required. Flash duration is $1 / 2000$ th of a second for "stop-action" pictures. Recycling time: 6 to 8 seconds; color temperature: balanced for all daylight B\&W and color films. Guide number dial for F stop on back. Mounts either vertically or horizontally. Fits any camera shoe. Complete with AC cord, camera cord and batteries. Importad. Shpe. wt., 2 lbs.
99 T 7184
Net 16.95
99 T 6294 Alkalline batteries for above (4 req.) ............. Net ea. . 29


## HI-BEAM ELECTRONIC STROBE FLASH

- With Built-in Rechargeable Nickel Cadmium Batteries and Charger

Only
$26^{95}$
Compact, powerful flash no larger than a cigarette pack and welghing only $81 / 2$ oz. gives you light where and when you need it. Guide No. 40 for ASA 25 films. $1 / 3000$-sec. flash duration. It operates from elther 110 v or 220 v AC with built-in cord or its self-contained rechargeable nickel cadmium batteries. Shoot every 10 seconds with up to 60 flashes per charge. Reflector coverage is $55^{\circ}$; color temperature is balanced for all daylight and $\mathrm{B} \& \mathrm{~W}$ color films. Size $3 \% \times 23 / 6 \times 13 / \mathrm{s}$ ". Imported. Shpg. wt., I Ib 13 T 3639

Net 26.95

## DELUXE ELEVATOR TRIPOD <br> 1195

- 4.Sections Extend to $60^{\prime \prime}$
- Durable Lightweight Aluminum

Deluxe, lightweight tripod features many con veniences that make it ideal for use with both movie and still cameras 4 -section aluminum legs and double-rise center post extends to $60^{\circ}$; closes to $16^{\prime \prime}$. Panhead tilts for vertical shoot. ing. Set screw thumb lock holds center post firmiy in place. Legs have nylon leg locks with bushings, and non-slip rubber tips. Constructed of durable aluminum throughout. Color: Blue with high chrome base Shpg. wt., 3 lbs 15 T 8701 ... Net 11.95

ULTRABLITZ CORNET " 100 " ELECTRONIC FLASH


- Operates on Batteries or AC - Fully Transistorized
- Re-cycling Time 5-12 Seconds - With AC Cord

Featuring compact design and quallty transistorized circuitry. Uses two "C" type batteries or AC. Solid state circuit for fow battery drain and constant high intensity output. F-stop computer, retractable DC cord and "hot center contact" for cameras with "hot shoe." Guide No's: Kodachrome II (ASA 25) 44: (ASA 64) 63; Tri-X (ASA 400) 176. Color temp; $5600^{\circ} \mathrm{K}$. Angle of illumination; vertical; $50^{\circ}$, Horizontal; $58^{\circ}$ Ready light indicator. Imported. Shpg. wt., $21 / 2 \mathrm{lbs}$.
15 T 3715
Net 24.95
99 T 6293 Alkaline Batteries for above (2 req.)
Net ea. . 39

## LAFAYETTE BOUNCE-LITE BC FLASH

Compact flash unit tilts to many positions, allowing use of professional bounce-light technique for softer, more natural looking flash pictures. Accepts AG-1, M2, M3, M5 and 25 bulbs without any adapter. Includes: spring action ejector; positive shoe lock; retractable PC cord; exposure indicator dial, and flashbulb tester. Complete with vinyl case. Less battery. Imported.
99 T 7187 Shpg. wt., 1 lb
Net 3.95
99 T 6027 Battery for above
Net .59

## LAFAYETTE FLASH CUBE GUN

Now any camera can use the new flash-cubes! Simple trigger mech anism. revolves the cubes with automated convenience. BC type unit for low battery drain. Compact unit takes one 15 volt battery. Push button battery tester. Easy to read ASA exposure table. $71 / 2^{\prime \prime}$ Sync-cord with PC Connector fits most cameras. Imported.


## 35MM SLIDE SORTER



The illuminated $11^{\prime \prime} \times 15^{\prime \prime}$ inspection screen is large enough to see a whole tray full of slides (35) at one time. Folds flat in a jiffy for compact storage. built-in illumination with on-off switch, 6 ft . line cord: can be used with 110 or 120 voits. AC or OC. Size: $15 \times 81 / 2 \times 81 / 2^{\prime \prime}$
15 T 3616 Shpg. wt., 3 lbs.
Net 2.95


- Tri-Tilt Head
- Velvet Smooth Panning
For any small cam. era -35 mm , reflex or movie. Compact and lightweight. folds to $16^{\prime \prime}$, extends to $47^{\prime \prime}$ plus $7^{7 \prime \prime}$ with geared center elevator. Single action tilt/pan and $180^{\circ}$ swing over for vertical and horizontal format pictures. Positive lock, folding crank. Chrome plated brass legs. Welghs 31 Oz . Imported. Shpg. wt., ported.
9977029 Net 6.95



ELECTRIC TABLE VIEWER

Accepts all she slides from 35 mm to $23 / 4 \times 23 / 4$ ". Provides $13 / 4$ times magnifica tion. Transparencies illuminate and enlarge through a fine optically ground and polished lens. Equlpped with bulb, socket, on-off switch, 6 ft . cord and plug. All steel construction. For 110V AC. Shpg. wt., 2 lbs. 15 T 5002

# LAFAYETTE CdS EXPOSURE METER $\operatorname{mox}_{\mathrm{km}}-15^{\circ}=$ - Professional Quality, Ultra Completely Wired 



Now you can achieve correctly exposed photographs from the light of a single candle with this versatile, low cost Lafayette meter. Ultra-sensitive CdS photocell meter utilizes dual light ranges to accurately measure light intensity including extremely low light levels for night or avail. able light photography. Operates comfortably with one hand. A single slide switch controls light range and automatically moves the proper scale into position for easier readings. Measures reflected and incident light with built-in hemispheric diffuser. The meter can be adjusted with a click stop switch to three angles of light acceptance; $15^{\circ}$ telephoto, $45^{\circ}$ standard and $75^{\circ}$ wide angle matching your readings to the camera lens and scene being photographed. Reflex viewfinder with frame mark. ers provide precise area readings for $15^{\circ}$ and $45^{\circ}$. Has battery test and "off" position to prolong battery life. External zero adjustmept and two mercury batteries (included) assure accuracy over long continuous use. Cushioned jewel mechanism and high impact case, $4 \% \times 2 \frac{1}{2} \times 1 \%{ }^{2} \mathrm{D}$. Comes with soft leather case. Imported. Shpg. wt., 1302
99 T 71972
Net 15.95
15 T 1609 Hard leather evereadv case w/strap. Wt., 6 cz. ... Net 3.95 specifications
dies; High Range, 110 to $\mathbf{2 8 , 0 0 0}$ Sensitivity: Low Range, 0.44 to 110 footcandies; High Range, 110 to 28,000
footcandles. ASA Film Speed Range: 6 to $12,000\left(1^{\circ}\right.$ to $\left.12^{\circ}\right)$. Diaphragm Stops: footcandes. ASA Film Speed Range: 6 to $12,000\left(1^{\circ}\right.$ to $12{ }^{\circ}$ ). imaphrazm Stops:
$\mathrm{f} / 0.5$ to $\mathrm{f} / 64$. Shutter speeds: $1 / 4000$ second to 30 minutes. Movie scate: 4 to 128 frames per second. El-LVS Scale: -12 to +22 . Aoceptance Angie: $15^{\circ}$ Tele, $45^{\circ}$ Std., $75^{\circ}$ Wide Angle. Coler Response: 5,600 Angstroms (peak). Pwetecell Trpe: Cadmium Sulphide. Batteries: 2 Mercury, (Mallory 625R or

## DROP FRONT "PRO" BAGS

- Heavy-Duty Vinyl With Red Corduroy Lining
The perfect accessory beg for pro. fessionals or camera bues. Heavy duty bags will hold movie, reflex, 35 mm and press cameras, flash guns, bulbs, meters and a host of other items. Constructed of durable vinyi material, with red corduray lining and non-jam zipper. Leather loops, hand strap and front key lock.
is $\mathbb{1 6 0 7}$ PRO 13 Size: $13 \times 10 \times 6^{\prime \prime}$. Shpg. wt., 3 lbs.
Net 9.95 is T 1608 PRO 16 Size: $16 \times 7 \times 9122^{\prime \prime}$. Shpg, wt., $31 / 2$ lbs.


Fine quality gadget bag of scuff and water. resistant vinyl, with a heavy duty wrap around zipper, Red corduroy lined interior adjusts for various pleces of photographic equipment. Features a front leather pocket $8 \times 5 \times 11 / 2^{\prime \prime}$. Includes shoulder strap and duraple, polished hardware. Overall site: $10 \times 5 \times 8^{\circ}$. Shpg. wt., $21 / 2$ lbs.
15 T 1612

Net 6.95


## 15-SECONO SELF-TIMER

Fits in the cable retease of all cameras. Special adapter for Leica-type release sockets. Plunger Jength adjustable to protect shutter. Retracts after picture has been shutter. Retracts after picture has been
taken. Set for 15 seconds or less. Imported. taken. Set for 15 seconds or less. Imported.
15 T 7701 shipg. wt., 402 .

## REMOTE SHUTTER RELEASE

Designed to permit the camera to be used from distances up to 20 feet from the photographer. Simplifies nature shots. Excellent for candid shots of children. Has a professional rubber bulb. Can be used as remote control with the Kodak Carousel 600 stide projector. Shpg. wt., 8 ors

## LAFAYETTE CdS EXPOSURE METER

An extremely sensitive Cadmium Sulfide exposure meter. Perfect for all types of photography elther indoors or outdoors. Perfect for all high or low level lighting. May be held in the hand, around the neck, or attached to camera. Film sensitivity scale: ASAG to 12,000. Exposure time scale 8 sec. to $1 / 1000 \mathrm{sec}$. Lens aperture $1 / 1$ to $1 / 32$. Light value scale (EV): LV4 to 17 . Movie scale 8 to 64 . Measures reflected or incident 1 ght . Complete with mercury battery, leather carrying case and car rying/neck cord. imported. wt., 1 lb . 9971186

## BOOSTER EXPOSURE METER

## - Stills or Movies

- ASA Scale-LVS Scale

Extremely versatile-extremely simple. Highly legible direct reading dial. Speeds from 4 sec. to $1 / 1000 \mathrm{sec}$. Lens aperture settings from $f: 1$ to $f: 32$. ASA scale 6 to 800 . LVs scale 1 to 18. Cine scale 8, 16, 24, and 32 frames per second. Booster cell makes possible readings at extremely low light levels. Small - rugged lightweight. Inctudes booster cell, leather case, neek cord and instructions. Imported. 99 I 7033 Shpg. wt., $1 / 2 \mathrm{lb}$. Net 6.95
"35" CLIP-ON EXPOSURE METER

- ASA Scale 10 to 1000
- Weighs 1 Oz .

Exceptionally convenient exposure meter. Clips right on camera-quick easy reading. Gives better, more accurate exposed pictures with a minimum of effort. Speeds $1 / 1000$ to 1 second. Lens aperture $\mathrm{f}: 1.4$ to $\mathrm{f}: 22$. Mounts on camera or may be hand held. Complete with leather case and instructions. Imported. Shpg. wt, $1 / 2 \mathrm{lb}$.
99 T 7034
Net 3.95

# Telephoto and Close-Up Lenses 

 2OOM MONOCULAR
Makes Your Camera TelephotoBrings Distant Objects From 7 to 12 Times Nearer

ENLARGES
this

$22^{95}$

\author{

- 40MM Objective Lens
}

Now you can take exciting telephoto pictures with your single lens or twin lens reflex camera. No need to miss those once in a lifetime shots. Increases the focal length of your camera lens from 7 to 12 times. Zoom monocular in use with 50 MM lens gives you a choice of any focal length from 350 to 500 MM . Converter supplied to fit any series 6 adapter ring. Oniy $6^{\prime \prime}$ long. Supplied complete with converter, leather case, and wrist strap. Imported. Wt., 2 lbs. s9 17211

## VARI-CLOSE-UP LENS FOR SLR CAMERAS



## $19^{95}$

With Case

- Sharp Focus From 3 Feet to 1 Inch Without Distortion variable magnification $(+1$ to +10 diopters), close-up lens for use on normal and medium telephoto lenses. High quality, coated accessory lens of great use to hobbyists for copying, in medical and scientific studies, in industry, and as a visual aid in teaching and sales demonstrations. Can be used with any single lens reflex, focusing camera either still or movie. Attaches easily to front of lens with series vil adapter ring. Does not interfere with automatic diaphragm and does not interfere with built-In meter systems of most cameras. No exposure com. pensation needed. Compact and lightweight. can be hand-held. Shpg. wt., $1 / 2 \mathrm{lb}$.


## 15 I 3652

## LENS SET FOR POLAROID CAMERAS



- Wide Angle \& Telephoto Lens - View Finder

An ideal companion to the Polaroid Camera. Telephoto lens increases the focal length of the lens and results in a 3 times mag. nification. Wide Angle lens provides a $75 \%$ increase of subject area. Each lens has a "conversion band scale." Supplied with slip-on ring adapter, ring, view finder and case with shoulder strap. imported.
For Polaroid Models 100, 101, 103, 230, 240250
15 T 4923 Shpg. wt., 2 lbs. Net 29.95
15 T 4930 (for Models $104,210,220$ )
Net 24.95
For New Big Swinger Camera
15 T 4934
Net 18.95
For Model 20 "Swinger"
15 T4931
Net 17.50


## front focus photo mONOCULAR

MAKES YOUR CAMERA TELE. photo-Brings Distant Objects From 6 to 8 Times Nearer.

ENLARGES THIS 1
TO THIS

AUXILIARY LENSES
Add Telephoto And Wide Angle To Your Camera


Telephoto shots - wide angle shots of extreme close ups. Easy as 1-2-3 with the new auxiliary lenses. Each lens is hard coated for maximum light transmission. Prefocused and color corrected. No increase in exposure setting is necessary. Bring your subject twice as close with Telephoto - add with any color or black and white film. 75\% more area with the Wide.Angle. Use Auxiliaries and closeups mount by means of series 6 or 7 adapter ring. Imported. Shps. wt., of each auxiliary lens approx. 6 025.

AUX. TELEPHOTO LENS (A)

| 15 T 4925 | (Series 6) | Net 9.50 |
| :---: | :---: | :---: |
| 15 T 4927 | (Series 7) | Net 13.50 |
| AUX. WIDE | ANGLE LENS (A) |  |
| 15 T 4926 | (Series 6) | Net 9.50 |
| 15 T 4928 | (Series 7) | Net 13.50 | AUX. WIDE ANGLE LENS (A)

15 T 4926 (Series 6) Net 13.50 VIEW FINDER FOR TELEPHOTO AND W-A LENS (B) 15 T 4929

Net 4.95

## POLAROID CLOSE-UP KIT



Opens up a whole new world of fu.i. Lets you photograph small objects as close as 9 inches to the lens, so you can record flowers, stamps, coins, etc. Kit includes a close-up lens and a view/focus adapter that is easily cllpped onto the viewfinder of your Polaroid to insure perfectly framed and sharply focused pictures. Can be used with the following Polaroid Color Pack cameras: 240; 230; 135; 103; 102; 101; 100. Shpg. wt., $1 / 2 \mathrm{lb}$.

1513012
Net 8.95

## WIDE ANGLE AND TELEPHOTO LENSES for KODAK INSTAMATIC CAMERAS



Add a custom made, auxiliary lens to your Instamatic camera. Greatly increase your cameras' versatlity with a wide angle or telephoto lens. No adjustments are neces. sary. Just slip on the lens and shoot. The telephoto increases the focal length and results in a magnification of about 2 times the image size as compared with the normal lens. The wide-angle lens decreases the focal length and results in an increased subject area of about $75 \%$ as compared with the normal lens. Each lens includes a built-in viewfinder adaptor to give you the true area of the shot you are taking. Shpg. wt., $1 / 2 \mathrm{lb}$.
For Instamatic Models-
104, 154, 100, 150.124 n 174 Hawkeye 50. 15 T 4935 Wide Angle Lens .............Net 5.49 is T 4936 Telephotolens ................Net 5.49 For Instamatic Mode is-
304, 404, 300, 400
15 T 4937 Wide Angle Lens .............Net 5.49 is T 4938 Telephoto Lens ............. Net 5.49 Complete Lens Set of Wide Angle, Telephoto. Viewfinder with Case.
(Not IIlustrated)
For Instamatic Models-\$-10, \$-20 15 T 4939 Shpg. wt., 1 to. .............Net 16,95 For Instamatic Modéls- $704,804,700,800$ 15 T 4940 Shpg. wt., 1 ib............Net 16.95

CLOSE-UP ATTACHMENT FOR KODAK INSTAMATIC CAMERAS


195
Add to the versatility of your Instamatic camera with this handy close-up attach. ment. Slips easily onto the front of the lens. For use with all black and white, and color films. Shpg. wt., 4 oz.
For Instamatic 100, 150, 104, 154.
15 T 3650 ...... .......................... Ne
For Instamatic 300, 350, 304, 354. 15 T 3651 Net 1.95

# Selected Photo Accessories-Film 



Portable file for $\mathbf{3 5 m m}$, Instamatic slides holds $3002 \times 2$ cardboard slides or 150 aluminum, metal or glass mounts. Index card and permanent, molded-in numbering system permit you to instantly find your slide. Made of rugged high impact poly. styrene. Shps. wt., 2 lbs.

## 15 T 5022

| $\begin{aligned} & \text { AS LOW } \\ & \text { AS } \end{aligned}$ |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Exact replacement projection lamps for most movie and slide projectors. Make your pictures sparkle with a new, efficient lamp. |  |  |  |  |
| Imported. | Ave St | 年t | oz. |  |
| $\begin{aligned} & \text { STOCK } \\ & \text { MOR } \end{aligned}$ | $\begin{gathered} \text { ASA } \\ \text { CODE } \end{gathered}$ |  | TYPE BASE | $\begin{aligned} & \text { NET } \\ & \text { EA } \end{aligned}$ |
| 1574981 | CEW | 150 | S. C. Bay |  |
| 15 T 4942 | CGW | 200 | S. C. 8ay | 1.59 |
| 9977117 | CLS | 300 | 8ayonet | 1.59 |
| 15 T 4954 | CLX | 300 | Bayonet | 1.59 |
| 9917119 | CMV | 300 | S. C. 8ay | 1.59 |
| 9977126 | CWD | 300 | Prefocus | 2.10 |
| 1514943 | CXK | 300 | Med. Pref. | 1.59 |
| 99 T 7120 | CYC | 300 | S. C. 8ay. | 1.59 |
| 15 T 4944 | CZA | 500 | 4.Pin | 2.79 |
| 99 T 7122 | C7X | 500 | Prefocus | 1.99 |
| 99 T 7123 | DAK | 500 | Prefocus | 2.39 |
| 9977124 | D08 | 500 | Prefocus | 2.79 |
| 99 T 7121 | EDK | 500 | 8ayonet | 1.99 |
| 15 T 4945 | DEJ | 750 | LG. Pref. Ring | 2.79 |
| 99 T 7125 | DFD | 1000 | Prefocus | 3.10 |
| 15 T 4946 | DFK | 1000 | LG Index Ring | 3.19 |
| 15 T 4947 | DFY | 1000 | LG Index Ring | 3.19 |

PHOTO ALBUM
Convenient album will save hours in mounting your favorite snapshots. Easy action expandable 3. ring binder holds photos perfectly flat and safe without the use of paste, glue or corners. Handsome, gold embossed simulated leather cover. Fillers hold approximately $7231 / 2^{\prime \prime}$ sq. prints. Shpg. wt., 1 ib. 1511300 Net 2.69
$342^{\prime \prime}$
sa. Pkg. of (6) 2 sided fillers holds $723 y / 2^{\prime \prime}$ sq. prints.


Self-Timer lets you put yourself in the pic ture. Can be preset from 5 to 15 seconds. Shutter wlll shap automatically. FOR ALL COLOR PACK CAMERAS 15 T 4948 Shpg. wt., $1 / 2 \mathrm{lb}$. OR BIG SWINGER 15 T 4949 Shpg. Wt., $1 / 2 \mathrm{lb}$ Net 4.49 Lafayette ag cube adapter Now you can make your own flash cube by sim. ply inserting 4 AG type bulbs into this sturdy reusable adapter. Will flt any camera with a flash cube socket Imported. Shpg. wt., 302. 99 T7207 ... Net Ea. . 99

PHOTO COPIER FOR POLAROID CAMERAS


# DEVELOPMENT TIMER FOR POLAROID 

## - 10 to 120 Seconds



Development Timer avoids wasting expensive color film through improper development. Now you don't have to count to develop your Polaroid film. Get top notch pictures every. time. Can be set for up to 120 seconds in 10 second intervals. For all Color Pack cam. eras. 8ell rings when time is up. Imported. Shpg. wt., $1 / 2 \mathrm{lb}$.
15 T 4953

## 3m DYNACHRDME COLOR FILM WITH PROCESSING

- Beats the High Cost of Color Film - Same Fine Piciures
- Processing Included Direct To Your Home


Oynachrome film is the newer, faster color film now in demand. Same reversal type, same nafural colors, same superb quality. Only the price is different-it's almost like getting the processing free. And the low price inctudes processing direct to your home. Av. Shpg. wt., 6 oz.

COLOR SLIDE FILM
$15 \mathrm{~T} 1818 \mathrm{~L} 35 \mathrm{~mm}, 20$ Exp. Daylight ASA 64 15 T $1819 \mathrm{~L} 35 \mathrm{~mm}, 36$ Exp. Daylight ASA 64 15 T 1817 L 126, 20 Exp. Daylight ASA 64

Net 2.59
Net 3.74
Net 2.59

15 T $1808 \mathrm{~L} 8 \mathrm{~mm}, 25 \mathrm{H}$. Double Roll Dayllte ASA 25
Net 2.79 Net 2.79 15 т $1809 \mathrm{~L} 8 \mathrm{~mm}, 25 \mathrm{ft}$. Double Roll Indoor ASA 40 Suver 8 mm 50 ft . Cartridge Indoor/Outdoor ASA 40

Net 3.49

## WESTINGHOUSE FLASHBULBS

|  | WESTINGHOUSE FLASHB |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |
|  | Lamp | Pkg. Quan | Per Pkg | In Lots of 3 ea . |
| 1594724 | AG-1 | 12 | 1.25 | 1.15 |
| 1514725 | AG-18 | 12 | 1.25 | 1.15 |
| 1514722 | AG-38 | 12 | 1.39 | 1.25 |
| 1574727 | M2 | 12 | 1.39 | 1.25 |
| 1574726 | M 28 | 12 | 1.39 | 1.25 |
| 1514728 | M3 | 12 | 1.49 | 1.35 |
| 1574729 | M38 | 12 | 1.49 | 1.35 |
| 15 T 4730 | 5 | 12 | 1.65 | 1.50 |
| 15 T 4731 | 58 | 12 | 1.65 | 1.5 |

FLASHCUBES


- Highest Quality —Pre-Tested Insure every shot
Av. Shpg. Wt. 802.

Package of 3, 4-shot flashcubes. Snpg. Wt., 5 oz 15 T 2632

KODAK FILM with PROCESSING INCLUDED

- Slides Returned Mounted, Ready for Viewing or Showing! - Convenient, direct-mall "mailers" in every roll . A full number of Prints guaranteed for kodacolor and black and white After the complete roll has been fillmed, put it into the maller, drop into a mailbox and in a few days your finished films are delivered postpaid to your door. You get $31 / 2^{\prime \prime}$ square or $31 / 2 \times 5^{\prime \prime}$ glant prints with Kodacolor and 8lack and white rexcept CX. 135 which is $21 / 2 \times 31 / 2{ }^{\prime \prime}$ ). Should you get less than the full number of prints or printable negatives per roll vou will receive coudons for arditional FREE prints. DO NOT MAIL film to lafayetie radio.


KODACHROME STANDARD 8MM MOVIE FILM.TYPE II
ASA Index 25 Daylight- 40 "A" Indoor



## "16 11" SUBMINIATURE CAMERA

An extremely easy-to-operate, palm-size camera. Sliding camera in and out of built-in case advances film, cocks, shutter, counts exposure and prevents double exposure-all automaticaliy. 6 shutter speeds from $1 / 30$ to $1 / 500 \mathrm{sec}$. plus " $B$ ". Takes $B$ \& $W$ pictures, color prints or color slides that fit any 35 mm projector. Direct viewfinder shows picture exactly as it will appear on film. Lens opening from $1 / 2.8$ to $\mathrm{f} / 16$. With Case. Imported. Shpg. Wt., 1 lb . 15 T 3416 L \$5 Monthly
MINOLTA 1611 Accessories. Av. Shpg. Wt., 602.
15 13421 Baby BC Flash with Capacitor and Case 15 T 3422 Bracket for Flash and Tripod Mtg.

Net 31.95
Net 5.49
15 T 3423 Aux. Lens Set-2 closeup. 1 distance, $1 \vee$ filter Net 4.49 15 T 3424 Color Filter Set-1 ea. $1 A, 80 \mathrm{~A}, 81 \mathrm{~B}$ ….............. 4.49 FILM FOR "16 11 "-All are 20 -exposure magazines Shpg. wt., 3 oz. 15 T 3417 L Kodak Plus-X
15 T 3419 L Kodachrome II
Net .95 15 T 3418 L Kodak Double. $X$
15 T 3450 L Ektacolor Negative (color prints)
Net 1.25

## MINI"16" COLOR SLIDE PROJECTOR

Compact, lightweight projector to match Minolta and other 16 mm Sub-miniature cameras. Sharp 40 mm Rokkor $\mathrm{F} / 2.5$ lens. Includes deluxe vinyl carrying case, standard slide carrler and 75 watt projector lamp. For $110-120$ volts AC.DC. Imported. 15 T 3435 Shpg. wt., $34 / 2$ lbs. $\$ 5$ Monthly

Net 31.85


Revere Model 1034 is a quick loading cartridge camera with automatic flashcube rotation. Features 3 focus settings for more precise focusing and detailed pictures or slides. Has 3 lens settings for varied light conditions. Other fine features include a sharp doubie element glass $1 / 843 \mathrm{~mm}$ color corrected lens, precision optical viewfinder, double exposure safeguard, and tripod socket. Camera finished in attractive leatherette with chrome trim. Camera kit includes camera, battery soft padded zippered case and wrist strap. 15 T 1820 L Shpg. wt., 3 lbs.
ELECTRIC EYE INSTANT LOADING FLASHCUBE CAMERA OUTFIT $17^{95}$

- Uses Kodak 126 Cartridge Film


Automatic electric eye sets perfect exposures every time, sharp preset lens- io focusing. Features instant loading film cartridge, double exposure prevention. Accepts flashcube which automati. cally rotates. Ontfit includes camera, flashcubes, 2 batteries, color
film and wrist strap.
15 T 7810 L Shpg. wt., 4 lbs.
Net 17.95
Texon case with strap. Holds camera, 2 rolls film, 6 flashcubes, 15 T 1611 Shpg. wt., $1 / 2 \mathrm{ib}$. Net 2.49

## YASHCA atcron ULTRAMINIATURE CAMERA KIT

 TERS, FLASHGUN, CHAIN
STRAP, AND BUILT-IN MATCH- Only
NEEDLE EXPOSURE METER.
Ultraminiature, lightweight camera accepts Minox-type film cartridges. Features drop-in loading no film threading-no double exposures-no rewinding. Advanced, programmed shutter with speeds with ASA range from $25-400$ Vashinon $f / 2.8$, 18 mm lens gives with ASA range from $25-400$. Yashinon $\mathbf{f} / 2.8,18 \mathrm{~mm}$ lens gives detalled black and white, color prints and color slides. Bright, optical viewfinder can be used even in dimly it surroundings, Parallax correction frame, visible in viewfinder, allows accurate framing when shooting closeup. Camera has builtin UV and Y2 fliters. Includes camera and case, additional ND4X and $80 B$ filters, cordless AG flashgun, and chain strap. Imported. Shpg. wt., 1 liz lbs, 15 T 3625L $\$ 5$ Monthly

Net 84.95
PRELOADED CARTRIOGE FILM FOR ATORON Av. shpg. Wt., 2 oz.
15 T 3626L Two, 36 exposure ASA 125 B8W. 15 T 3627 Two 36 exposure XT-Pan ASA 25 B\&.................. 1.98 15 T 3627 T Two, 36 exposure XT-Pan ASA 25 B\&W. ........ Net 1.98 15 T 3628 L Two, 36 exposure Kodachrome II Slides. ...... Net 3.29 15 T 3629 L Two, 36 exposure Ehtacolor $S$ Prints. ............ Net 2.49 32 T 4892 Battery for above (2 required). ........................... ea. 27
 - Automatic CdS Electric Eye - Sharp f/2.8 Lens Only


## No Money Down

 New type electronic shutter system combines with cartridge load features to provide automated operation. Perfect for the average snap-shooting family. Fast $37 \mathrm{~mm} \mathbf{~} / \mathbf{2} .8$ four element lens with internal CdS exposure sensor. Exceptional features include 3 transistor exposure control, flashcube socket, 3 position focusing system, and black grain with brushed aluminum finish. Bright Irame viewfinder shows parallax correction and signals if light is insufficient. If internal computor chooses slow speed camera signals that tripod should be used. Speed: $1 / 300-2 \mathrm{sec}$. ASA: $50-160$. 15 Y 3641 L Shpg. wt., 2 lbs. $\$ 5$ Monthly.Net 44.85

## KODAK INSTAMATIC CAMERA COLOR OUTFIT



##  <br> - Accepts Flashcube -Rotates it Automatically

Model A-124R Outfit. Instant loading film cartridge for snap.shot or slide film. Features the simple-fo-operate Kodak Instamatic 124 camera. Prefocused lens for perfect exposures. Shutter speed automatically adjusts for flash or outdoor shooting. Accepts flashculbes for 4 flash shots without touching a bulb. Double exposure preven. tion. Kit includes camera with wrist strap, Kodacolor-x film cartridge, one flashcube, fong-life alkaline batteries and instructions.
15 T 2635L Shpg. wt., 4 lbs.
Net 16.95
Model 174 Rut Outit. Quality camera for the casual photographer utilizes motor operated automatic film advance for rapid picture taking. Prefocused lens arid automatic flash settings combine for perfect exposures. Lumenized $f / 11$ lens is factory focused from 4 ft . to infinity. Fiashcube attachment automatically selects correct speed setting. Supplied with camera, wrist strap, Kodacolor-X film cartridge, flashcube, alkaline batteries, and instructions. 15 T 2636 L Shpg. wt., 6 lbs.

Net 25.50
Texon case with strap. Holds camera, 2 rolls film, 6 flashcubes. 15 I 1611 Shpg. wt., $1 / 2 \mathrm{lb}$.

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# You Can Depend On LAFAYETTE... for.Your Complete Satisfaction 

When you buy from Lafayette, you buy with confidence. Lafayette's pledge to you, of "Satisfaction Guaranteed," is your assurance that we mean what we say. For 48 years we have kept this pledge to you . . . and shall continue to do so in the future.

## LAFAYETTE AAA GUARANTY

LAFAYETTE HIGH FIDELITY SPEAKERS = 5 YEARS LAFAYETTE HIGH FIDELITY RECEIVERS $=2$ YEARS LAFAYETTE HIGH FIDELITY TUNERS $=2$ YEARS LAFAYETTE HIGH FIDELITY AMPLIFIERS $=2$ YEARS

All Lafayette high fidelity components identified as covered by Lafayette's AAA guaranty are guaranteed to be free of defects in material or workmanship from the date of sale for the time period shown above. During that period we will repair (or at our option replace) them without charge for either material or labor. Material must be returned prepaid to us for our inspection. This guaranty does not apply to items which have been subjected to misuse, abuse alteration, repair without our authorization or used in violation of operating instructions, nor to normal wear and tear. The speaker guaranty does not cover external parts such as cabinets, grille cloth etc. Serial number must not be defaced. Guaranty is not transferrable.

## OTHER GUARANTEES

All merchandise not covered either by the special guarantees on this page or by other specific guarantees in the catalog are covered by a 90 day repair or replacement gsarantee (at our option) against defects in material or workmanship.

## LAFAYETTE AAM GUARANTY

This guaranty covers Lafayette items so indicated in our catalog which contain several integrated sections in a single unit such as compacts and integrated entertainment centers. The time period for each section is as follows:


#### Abstract

SPEAKERS 5 YRS. RECEIVER OR TUNER SECTION 2 YRS. AMPLIFIER SECTION 2 YRS. RECORDER SECTION 3 MOS. CHANGER SECTION 3 MOS.


The terms and conditions of this guaranty are otherwise identical to the AAA Guaranty

## SATISFACTION GUARANTEED

Try your purchase at home. If for any reason you are not satisfied, 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 be in good condition and not soldered or abused-no holes drilled or changes made in any other way. This policy does not apply to kits, nor to pre-recorded tape, records. books or mercharidise not regularly stocked that has been ordered especially for you.

## HOW TO RETURN MERCHANDISE

## (Merchandise Returned Must be in New Condition)

We want you to be completely satisfied with every item you purchased from us. It there is an irragularity in your shipment and you find it necessary to return an item to us, follow these instructions:

## PARCEL POST SHIPMENTS

Place all order papers, invoices, correspondence and your instructions in an envelope inside your package.

On the outside of your package, mark "First Class Mail Enclosed" (dieectly below the postage) and ad. f an additional 6 c postage. Do not send the letter separately; it will delay our speedy adjustment handling.
3)

Pack the merchandise securely and send to:

Customer's Service Dept.,
LAFAYETTE RADIO ELECTRONICS,
111 Jericho Turnpike,
Syosset, L.I., N.Y. 11791
4)

For your protection, report damaged receipts to your postman and enclose his report with your papers.

## BY EXPRESS OR TRUCK

If your shipment is received dam. aged, ohtain a report from your express agent or trucker, and mail to us. Wait untll you receive our instructions on how to return.
(NOTE-Merchandise not regularly stocked that has been ordered for you is NOT returnable for refund or exchange).


Fast Direct Air Shipping Service To Mid West And West Coast

The following areas will now receive speedy air shipping-service:

## LOS ANGELES

No more than 4 day door to door delivery via United Parcel Service to California, Washington, Oregon, Illinois, Indiana, Iowa, Ohio, Kentucky, Michigan, Minnesota, Missouri and Wisconsin.
Parcels utilizing this rapid service must weigh no more than 50 pounds and measure up to 108 inches in combined length and girth. This system applies if the service or rates are to your benetit.

## IF IT IS NECESSARY TO WRITE US:

Before writing, please compare papers or invoices with merchandise received. You will find explanations on your order papers about how your order has been handled. Sometimes merchandise arrives before or after order papers Please wait until you have both before writing. If you write. be sure to include all papers concerning the order. Please give names of items, catalog numbers, quantity, color, price, and any special information you think necessary. The more details you give us, the more quickly your adjustment will be made. On Easy Payment orders, be sure to include your EP account number on package and correspondence.

## SHIPMENTS OUTSIDE OF THE UNITED STATES

We ship all over the free world. Allow up to 60 days for delivery. Write to our International Sales Division for de. tails (See page 6).

# SHIPPING AND DELIVERY INFORMATION 

## PARCEL POST RATE CHART

| WEIGHT 1L6. 8 Not Encoeding | Lecel | $\begin{aligned} & \text { Ist E 2nd } \\ & \text { Lome up } \\ & \text { to } 150 \mathrm{mi} . \end{aligned}$ | $\begin{aligned} & \hline \text { 3rd Zom } \\ & 150 \mathrm{to} \\ & 300 \mathrm{mi} . \end{aligned}$ | $\begin{aligned} & \text { 4ith 2one } \\ & 300 \mathrm{fe} \\ & 800 \mathrm{mi} . \end{aligned}$ | Sth Zone 600 to 1000 mi . | $\begin{aligned} & \text { 6oh Zome } \\ & 1000 \mathrm{ta} \\ & 1400 \mathrm{mi} . \end{aligned}$ | $\begin{aligned} & \text { 7th Zone } \\ & 1400 \text { to } \\ & 1800 \mathrm{mi} . \end{aligned}$ | $\begin{aligned} & \text { fist Zone } \\ & \text { Sver } \\ & 1800 \mathrm{mi} \text {. } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2 | \$0.40 | \$0.50 | \$0.50 | \$0.55 | \$0.60 | \$0.70 | \$0.75 | \$0.80 |
| 3 | . 40 | . 55 | . 60 | . 65 | . 75 | . 85 | . 95 | 1.05 |
| 4 | . 45 | . 60 | . 65 | . 75 | . 85 | 1.00 | 1.10 | 1.25 |
| 5 | . 45 | . 65 | . 70 | . 80 | . 95 | 1.10 | 1.30 | 1.45 |
| 6 | . 45 | . 70 | . 80 | . 90 | 1.05 | 1.25 | 1.45 | 1.65 |
| 7 | . 50 | . 80 | 85 | 1.00 | 1.15 | 1.40 | 1.60 | 1.85 |
| 8 | . 50 | . 85 | . 90 | 1.05 | 1.30 | 1.50 | 1.75 | 2.00 |
| 9 | . 55 | . 90 | . 95 | 1.15 | 1.40 | 1.65 | 1.90 | 2.20 |
| 10 | . 55 | . 95 | 1.05 | 1.20 | 1.50 | 1.75 | 2.10 | 2.40 |
| 11 | . 55 | 1.00 | 1.10 | 1.30 | 1.60 | 1.90 | 2.25 | 2.60 |
| 12 | . 60 | 1.05 | 1.15 | 1.35 | 1.70 | 2.00 | 2.40 | 2.75 |
| 13 | 60 | 1.10 | 1.20 | 1.45 | 1.80 | 2.10 | 2.55 | 2.95 |
| 14 | . 65 | 1.15 | 1.30 | 1.50 | 1.90 | 2.25 | 2.70 | 3.10 |
| 15 | . 65 | 1.20 | 1.35 | 1.60 | 2.00 | 2.35 | 2.95 | 3.30 |
| 18 | . 65 | 1.25 | 1.40 | 1.65 | 2.10 | 2.45 | 3.00 | 3.45 |
| 17 | . 70 | 1.30 | 1.45 | 1.75 | 2.20 | 2.60 | 3.15 | 3.65 |
| 18 | . 70 | 1.35 | 1.50 | 1.80 | 2.30 | 2.70 | 3.30 | 3.80 |
| 19 | . 75 | 1.40 | 1.60 | 1.90 | 2.40 | 2.85 | 3.45 | 4.00 |
| 20 | . 75 | 1.40 | 1.65 | 1.95 | 2.50 | 2.95 | 3.60 | 4.15 |
| 21 | . 75 | 1.45 | 1.70 | 2.05 | 2.60 | 3.05 | 3.75 | 4.35 |
| 22 | . 80 | 1.50 | 1.75 | 2.10 | 2.65 | 3.15 | 3.90 | 4.50 |
| 23 | . 80 | 1.55 | 1.80 | 2.15 | 2.75 | 3.30 | 4.05 | 4.65 |
| 24 | . 85 | 1.60 | 1.85 | 2.20 | 2.85 | 3.40 | 4.15 | 4.85 |
| 25 | . 85 | 1.60 | 1.90 | 2.30 | 2.90 | 3.50 | 4.30 | 5.00 |
| For Each | Add | Add | Add | Add | Add | Add | Add | Add |
| Extra Lb. | 5 c | 5 C | 5c | 5 c | 10 C | 10 c | 150 | 15c |

RATES SUBJECT TO CHANGE

## how to estimate PARCEL PIST CHARGES

> Up to 16 oz., all zones allow 4 for first 2 oz, 24 for each ddditional oz. Find the weight of your merchandise in the extreme lefthand column of the chart at left. Pay the amount listed for parcel Post shipment to your zone. A fraction of a pound is charged as a full Ib. For example, if the weight is 6 . Ibs. and 1 oz. to zone 3 , postage would be for 7 Ibs. (85c). Over 30 lbs. shpd. truck or exp. See below.

## AIR PARCEL POST SHIPMENTS

We will ship your order via Air Parcel Post upon your request. Rates are given in the table, below. Size and weight limits: 30 lbs. and 100 in. (length plus girth).

7 c per ounce, up to 8 ounces

|  | ZONES 1. 28 | 4 | 5 | 6 | 7 | 8 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 st LB. | . 80 | . 80 | 80 | 80 | . 80 | . 80 |
| For Each Extra Lb. | $\begin{aligned} & \text { Add } \\ & 48 \mathrm{c} \end{aligned}$ | Add 50c | $\begin{aligned} & \text { Add } \\ & 56 \mathrm{c} \end{aligned}$ | $\begin{aligned} & \text { Add } \\ & 64 \mathrm{c} \end{aligned}$ | $\begin{aligned} & \text { Add } \\ & 72 \mathrm{c} \end{aligned}$ | Add <br> 80c |
| U.S. Territories, Possessions and APO \& FPO Addresses, 80c per lb. |  |  |  |  |  |  |
| PARCEL POST HANDLING CHARGE |  | Up to $\$ 15.00$  $20 ¢$ <br> $\$ 15.01$ to $\$ 50.00$ .. $.30 ¢$  <br> $\$ 50.01$ to $\$ 100.00$ $40 ¢$  <br> $\$ 100.01$ to $\$ 150.00$ $50 ¢$  <br> $\$ 150.01$ and Up $60 ¢$  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

USE YOUR ZIP CODE TO FIND YOUR PARCEL POST ZONE

This zone chart lists the first three digits (prefix) of the ZIP Codes of the sectional center facility of address. To determine the zone distance to a particular post office,
ascertain the ZIP Code of the post office to which the parcel is addressed. The first three digits of that ZIP Code are included in this chart, and to the right thereof the zone.


## (D) REA EXPRESS INFORMATION

Large, bulky or delicate articles are shipped by Rallway Express, the fastest and most economical way to ship merchandise which is unmailabie. (If you desire other shipping methods, please specify.) The letter "X" after our stock number (i.e. $21-4417 \mathrm{WX}$ ) identlfies the item exceeding parcel post size or weight limits, or too delicate for parcel post handiling.
DO NOT SEND MONEY for express charges with your order. Express charges are collected upon delivery at no extra cost to you. Insurance is included in your express rates. Be sure to specify your nearest Express Office if there is no agent in your town.

## APPROXIMATE REA EXPRESS CHARGES

| Weight | $\begin{aligned} & 100 \\ & \text { Miles } \end{aligned}$ | $\begin{aligned} & 150 \\ & \text { miles } \end{aligned}$ | $\begin{aligned} & 300 \\ & \text { Miles } \end{aligned}$ | $\begin{aligned} & 500 \\ & \text { Miles } \end{aligned}$ | $\begin{aligned} & 1000 \\ & \text { Miles } \end{aligned}$ | $\begin{aligned} & 2000 \\ & \text { Miles } \end{aligned}$ | $\begin{array}{r} 2400 \\ \text { Miles } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 20 ths. | 5.50 | 5.65 | 5.75 | 6.10 | 6.80 | 8.15 | 8.80 |
| 30 lbs. | 5.85 | 6.05 | 6.25 | 6.80 | 7.80 | 10.00 | 10.95 |
| 40 lbs. | 6.20 | 6.50 | 6.70 | 7.45 | 8.80 | 11.85 | 13.15 |
| 50 lbs. | 6.60 | 6.90 | 7.20 | 8.15 | 9.85 | 13.70 | 15.30 |
| 60 lbs. | 6.95 | 7.35 | 7.70 | 8.80 | 10.85 | 15.55 | 17.45 |
| 70 lbs. | 7.35 | 7.75 | 8.20 | 9.50 | 11.90 | 17.40 | 19.60 |
| 80 lbs. | 7.70 | 8.15 | 8.65 | 10.15 | 12.90 | 19.25 | 21.80 |
| 90 lbs . | 8.05 | 8.60 | 9.15 | 10.80 | 13.90 | 21.10 | 23.95 |
| 100 lbs. | 8.40 | 9.00 | 9.60 | I1.40 | 14.85 | 2275 | 25.90 |

## ABOUT C.O.D. ORDERS

If you order C.O.D., the post office collects a handling charge, plus a money order fee, in addition to the regular parcel post charge. (We cannot accept COD's for APO's, FPO's or for special. order merchandise). Here are the extra C.O.D. fees:
Amount of Order Money Order Fee COD Fee $\begin{array}{ll}\text { Minimum order } \$ 5.00 \quad 25 \mathrm{c} & 60 \mathrm{c}\end{array}$ $\$ 5.01$ to 10.00
10.01 to 25.00

25 c
35 c
25.01 to 50.00

## UNTTED PARCEL DELIVERY

If your area is serviced by UPS and the service or rates are to your benefit, we will route your order via United Parcel Service. This fast, economical service is available from New York to most of the eastern states for parceis ud to 50 lbs. and 108 inches in length and girth.

# SMITH-CORONA "Figurematic" Portable Electric Adding Machine 

- Totals up to $\$ 999,999.99$
- "Hand-Span" Keyboard - Lightweight and Compact


## Only 895

A fast-figuring electric portable that adds, subtracts and muttiplies. Full-featured construction with 10 keys. Add-Subtolal, Subtrart-Total, and Repeat. "Clear" and digital indicator are combined. Lists 7 columns of figures. New, easy-load ribbon cartridge gives thousands of extra prints. Easy to carry-the cord tucks In. stylish dust cover snaps on. built-in retractable carrying handle comes out, and away it goes. Ideal for everyone who figures-at work, home in between. overall $7 \times 9 \times 13^{3}$. For $110-115$ volts, 60 cycles, AC. Shps. wt., $101 / 2$ lbs.
15T4007wx \$5 Monthly
Net 66.95
Adding tape for above $21 / 2^{\prime \prime}$ wide. 15 T 4006

Net es.

## SMITH-CORONA

 DELUXE ALL-ELECTRIC ADDING MACHINE- With Direct Credit Balance
- Lists 8 Columns. Totals 9 Columns. \$9,999,999.99


No Money Oown
Model $890-\mathrm{N}$ precisionengineered add, subtract, and multiply. Credit balance provides abllity to total negatives while adding up positive sales profits. Features "Hand-Span" keyboard - king size add bar - keyboard correction key - visible column indicator - electrified total, sub-total, subtract and repeat keys. Easy-feed paper chute for quick loading. Charcoal grey. Size: $8 \times 12 \times 5 \frac{1}{4} \%$. Eor 115 V . AC. UL Listed. Shpg, wt., 14 lbs.
15 T 4010wX $\$ 6.50$ Monthly
Net 110.95
Model 890 - Similar to above. Less credit balance feature, with deluxe vinyl-clad steel carrying case. Shpg. wt., 16 lbs,

Net 103.95


SMITH-CORONA CORONET ELECTRIC $12^{\text {™ }}$ Typewriter - With Luggage Type Carrying Case


No Money Down

Type Easier Electrically: 12" carriage provides the versatility re. quired for oversized typing iobs. Makes up to 10 carbons repeats dots, dashes, spacing, the letter $x$ and underlines. Full-sized 88 character kerboard features impression control dial and touch selector, Amazing accelerator action gives faster type-bar actions for a snappier touch. Includes effort saving page gage, quick set margins, exclusive forward-glide top deck, push-variable line spacIng. Strong steel frame, Trimiline luggage iype carrying case, Shpg. wt. 29105 . U.L. Iisted. $110-120$ volts AC.
15 T 4011 wX Mist blue $\$ 8.00$ Monthly
15 T 4012 WX Tan $\$ 8.00$ Monthly
Same as above with $10^{\circ}$ carriage
15 T 4004 WX Plica-Star Mist Blue $\$ 7.50$ Monthly
15 T 4003 WX Pica-Tan $\$ 7.50$ Monthly
Net 154.95
Net 134.95
Net 134.95

## Orother Portable Typewriters

## (A) PORTABLE TYPEWRITER

## - All Steel/With Case

Echelon 44 typewriter contains a full 88 character office keyboard -4 characters more than standard typewriters $(+=1!$ ). Features two-color plus stencil position, variable line spacer, erasure table and paper support arm, half-space ratchet, touch adjustment, hand set margins, paper baie scale, jam release key, measuring scale holder, IIne drawing aperture and comfort sloped keyboard. Pop. ular pica type. Size: $141 / 2 \times 15 \times 61 / 4^{\prime \prime}$. With case. Shpg, wt., 15 los. 15T 1706 WX $\$ 5$ Monthly
Echelon 66 - Same as above but with tabulator key. 15 T 1707WX \$5 Monthly

## (B) DELUXE PORTABLE TYPEWRITER

## - Full Featured/With Case

Echelon $s$ full featured deluke compact portable typewtiter with key set labulator and full 88 character keyooard. Features include convenient "touch" control, variable line spacer, two-colar ribbon plus stencil position, automatic and manual ribbon reverse, erasure table and paper support arm, jam release key, synchronized measuring scale and card holder provide additional typing comfort. All steel with carrying case. Pica type. Size $161 / 4 \times 18 \times 71 / 2^{\prime \prime}$. Shpg, wt., 19 lbs.

## 15 T 1700wx $\$ 5$ Monthly

Net 57.95

## (C) DELUXE HOME/OFFICE TYPEWRITER

## - Deluxe Molded Case - All Sterl

Echeton 99 full 88 character home/office typewriter features pushbutton key set tabulator, pushbutton 2 color ribbon selector, Jam release key, rapid paper advance tever, synchronized measuring scale and card holder. Has automatic and manual ribbor reverse, line finder, line drawing aperature, and segment shift. 88 pica type characters. With deluxe carrying case. 88 Pica characters. Size: $163 / 4 \times 18 \times 17 y_{4}{ }^{\prime \prime}$. Shpg-wt., 23 los.
15 T $1709 \mathrm{WX} \$ 5$ Monthly
Net 73.95



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- Completely Dry . . .
- Easy To Use . . . Two Simple Steps
- Makes Crisp Black-On-White Copies in Seconds
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\author{

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}
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Now-an all new dry copier for home and office use. So easy to use; two easy steos, any. one can make permanent non-fading black-on-white copies of important documents, kitchen recipes and newspaper articles in less than one minute, regardess of color, or thickess up to size $8 \times 10^{\prime \prime}$. Does not use messy chemicals, inks, powders, or sprays; uses two ordinary 150 watt frosted household bulbs and 'Copymate' paper. The 'Copymate' is portable too! Weighs only 8 lbs., and can be carried to the library, club meetings or office plugs into any househoid outlet. Bullt-in automatic timer controls exposure time for iight or dark coples, plus, indicates when reproduction is ready. Pliot light indicates when machine is on. Comes with On/Off switch in line cord and built-In carrying handle. Smartly styled in a handsome brown and gold case. For $110-120 \mathrm{~V}$., 60 cycles AC. UL Listed. Size: $221 / 4 \mathrm{~W} \times 171 / 2 \mathrm{D} \times 61 / 4 \mathrm{HH}$. Shpg. Wt., 9 lbs.
15 T 4601w
Net 29.95
Copy Paper For "Copymate"
33 Sheets per package. Shpg. wt, $11 / 2$ lbs.
15 T 4602
Net 2.99


## AUTOMATIC ELECTRIC PENCIL SHARPENER

$13^{95}$

- Automatic Stopper When Pencil is Sharpened
- Heavy Duty Electric Motor

Model 660-Ideal for student, artist, draftsman, business firms anyome who needs sharp writing or drawing points. Powerful sharpener gives a needle point instantly. Unit even sharpens charcoal and pastel pencils. Sensitive micro switch automatically stops motor when pencil is sharpened. Carefully machined precision ground cutters last indefinitely. Neat, easy cleaning is achieved with convenient push out receptacle drawer. Simple and safe for even a child to use. Constructed of sturdy die cast metal with heavy duty 115 volt AC motor. UL Listed. Imported. Shpg, wt., $31 / 2 \mathrm{Ibs}$. 15 T 1705

Net 13.95
PENCIL SHARPENER AND LETTER OPENER
Model 770-Similar to above pencil sharpener with built-in automatic letter opener. Opens any size envelope quickly and accurately. Shpg. wt., $61 / 2 \mathrm{lbs}$.

## AUTOMATIC PENCIL SHARPENER

- Battery

Operated -Use it Anywhere

Only
Net 24.95


Gives clean and fast automatic pencil sharpening without bothersome cords or plugs. Just Insert a pencil into the receptacie for a sharp point everytime. Attractively designed and carefully engineered sharpener operates on 3 " $C$ " cells. Use this electric pencil sharpener anywhere without worrying about power plugs. Convenient easy to clean shavings container. Ideal for offices, schools, homes, etc. Complete with 6 extra blades, no mar rubber feet. Imported.
15 T 1202 Shpg. wt., $11 / 2$ lbs.
Net 3.95
8atteries for sharpener
99 T 62573 required
456
Lafayette Cat. No. 690
Net ea. . 14
To Speed Your Mail Order-Please Give Your Zip Code Number

STATE, COUNTY AND MUNICIPAL POLICE - FIRE DEPARTMENT - CIVIL
DEFENSE - RAILROADS - TRUCKING -

HICHWAY MAINTENANCE - FORESTRY -AVIATION-CDNSERYATION -PETROLEUM and INDUSTRIAL ACTIVITIES.

## Listen to D.S. Weather Forecasts and Disaster Warnings!



## POLICE AND FIRE DUAL BAND SOLID STATE FM RECEVER

## 2 Receivers In 1! 2 Bands: $\mathbf{3 0 - 5 0} \mathbf{~ M H z}+152-174 \mathbf{M H z}$

- Operates on 117VAC and 12VDC
- Tuned RF and Mixer Stages
- Tape Recorder Output Jack


## - Sensitivity $0.7 \mu \vee$ for 20 db Quieting

An advanced FM recelver that is outstanding in performance and features. Covers two VHF communications bands with super.sensi-tivity-fully tuneable or can be crystal-controlled for reception on a sinele frequency in either band. Atso tunes to 16.2 .55 MHz and 163.275 MHz U.S. Weather Bureau reports and disaster alarms in many parts of the country. Superheterodyne circuit includes tuned RF and mixer stages. Four IF stages, each using an advanced space-age Integrated Circuit (IC). No larger than a tiny transistor, each ic is actually a complete circuit with 5 transistors and 2 resistors-you get the equivalent of 20 transistors in the If stages alone! $100 \%$ solid state design offers top reliability too! "Instanton" transistor circuit permits immediate response to emergencies! Built-in universal power supply assures continuous mositoring under any conditions-the unit also operates from a 12 VOC battery supply for field use or as an emergency portable if AC power fails. Front panel controls include a 4 -position selector for choice of Xtal or

## - 4 IF Stages With IC's

Tuneable reception on either of the two VHF bands. Variable squelch control lets you silence the receiver during no-signal conditions to reduce monitoring fatigue. Also equipped with ilfuminated slide-rule dial, plus handy on-off volume control. Has a handsomely styled viny'i-clad steel cabinet in a simulated walnut wood-grain finish. and equipped with built-in 4" front-mounted speaker and externai phore jack. Size: $131 / 4 \mathrm{~W} \times 7 / 2 \mathrm{D} \times 6$-H. Imported. Shpg. wt., 17 lbs . 99 T 2589 wX Model PF-175 (less Crystals) Net 99.95 CRYSTALS FOR CRYSTAL RECEIVE-Specify Exact Operating frequenecy subject to 4 weeks delivery.
40 T 8207 Y 30.50 MHz
Net 5.95
40 T $8206 \mathrm{Y} \quad 152.174 \mathrm{MHz}$
Net 5.95
"Range Boost" Ground Plane Antenna for 30.50 MHz and $130-174 \mathrm{MHz}$. 40 T 0105 wx Shpg. wt., 6 lbs. 2 Band Center Loaded Indoor Antenna for 30.50 MHz and 152.174 MC . 40 T0111w Shpg. wt., 2 lbs.

## POLICE AND FIRE SINGLE BAND SOLID STATE FM RECEIVERS

4 en

| Model PF-60 |
| :---: |
| $152-174 \mathrm{MHz}$ | No Money Down

- 4 IC's Plus 12 Transistors for PF 30
- Crystal Control Plus Tunable Reception
- 117 VAC and 12 VDC Operation
- Tape Recorder Output Jack

Same super-sensitive solid-state FM recelvers as Model PF-175 except that these are single band models covering the high or low bands. Advanced IC's included in the IF stages, plus tuned RF and Mixer stages. Also feature same rugged design for trouble-free operation and have universal power supply for either normal 117 VAC operation or 12 VOC battery operation for \$leld use or during emergencies. Model PF. 60 can tune to 162.55 MHz and 163.275 MHz U.S Weather Bureau reports and disaster alarms in many parts of the country. Controls: Varlable Squelch, On-Off Volume, Tuning and

## Crystal Control Plus Tuneable Reception

Selector (Tune-Xtal), Less Crystal. Size: $131 / 4 \mathrm{~W} \times 71 / 2 \mathrm{D} \times 6^{\prime \prime} \mathrm{H}$. Imported. Shpg. Wt., $161 / 2$ lbs.
99 T 2590 WX Model PF. $60 \quad 152-174 \mathrm{MHz}$. $\$ 5$ monthly__ Net 79.95 99 T 2591wX Model PF. $30 \quad 30-50 \mathrm{MHz} \$ 5$ monthly _......Net 79.95 CRYSTALS-Specify Exact Operating Frequency 4 weeks delivery. 40 T 208 y 152-174 MHz Net 5.95 40 T 8207 Y 30.50 MHz Net 5.95 40 T0116W Ground Plane Antenna for 108-176 MHz. 2 lbs... Net 7.50 40 T 1301 W Window Antenna for 30.50 MHz . Wt. 3 lbs. Net 7.95 40 T 0117W Ground Plane Antenna for $30-50 \mathrm{MHz} .2$ ibs $\ldots$ Net 8.95

Business Service
Taxicabs
Railroads
Auto Emergencies
Forestry Conservation

Police Department Fire Department Special Emergency Highway Maintenance Local Government

## FB. 506 With New Revolutionary

PB-150
PB. 50

Only $69^{95}$
PORTABLE
No Money Down
LISTEN TO U.S. WEATHER FORECASTS AND DISASTER WARNINGS!
Model PB-50
$\mathbf{3 0 - 5 0} \mathrm{MHz}$

##  <br> Thrill to urgent police broadcasts, hear the excitement of fire squads

in action! PB-150 tunes to 162.55 MHz and 163.275 MHz U . S. Weather Bureau weather reports and disaster alarms in many parts of the country. Ideal for car, truck, or boat, these superbly engineered mobile VHF monitors incorporate the latest advances in integrated circuitry, and solid state technology. You have a choice of two wide range models, tuneable from either 30 to 50 MHzor 152 to 174 MHz . Each has provision for one crystal controlled frequency. The highly sensitive front end features $.7 \mu \vee$ for the P8-50 and less than $1 \mu \mathrm{~V}$ for the PB-150. The selective "I.F." features four integrated circuits in the IF section to produce - 45db image rejection. These IC's represent the utmost in component dependability and durability. Weak distant stations can be heard clearly, while outside nolise and interference are drastically reduced. The efficient 2.8 watt audio section terminates in a big $3 \times 5$ " PM speaker, providing for clean, clear sound reproduction. Only $23 / \mathbf{m}^{\prime \prime}$ high, the units are easily mounted under virtually any dash board or control panel (Mounting brackets are included). Power may be supplied by any standard 12 volt negative ground battery or by the HB-502A 117 VAC base station power supply listed Its 13 transistor +4 IC's (PB-150) and

Model PB. 150
152 -174 MHZ
for Space Age Dependability

# LAFAYETTE HAND-HELD FM VHF POLICE and FIRE RECEIVERS 



## $\star$ Pocket Size $\star$ Tuneable

YOUR CHOICE
$17^{95}$

- 2 Models: 146.175 MHz 27. 50 MHz
- All Solid State- 10 Transistors
- Superheterodyne Receiver Only an alert and informed citizen can keep up with the electrifying happenings of our everyday life. Two superb Lafayette FM/VHF re. ceivers bring you live coverage of your city or lown's daliy drama on either $146-175 \mathrm{MHz}$ or 27-50 MHz police and fire bands. 146-175 MHz receiver tunes to 162.55 and 163.275 MHz U.S. Weather Bureau weather reports and disaster alarms in many parts of the country. Has a built.in $21 / 2^{\prime \prime}$ speaker plus an external earphone jack for convenient private listening. Rugged construction and sleek styling combine to give a clean professional type appearance. Operates on 4 penlight batteries (included with set). This ultra-compact unit also features a built-in swivel telescoping antenna and provision for an external antenna. With carrying strap. Size: $6 \times 2 \times 178^{\circ}$. Imported. Shpg. wt., 2 Ibs.
99 T 3531 L 146.175 MHz FM VHF Receiver
Net 17.95
99 T 3533 L 27.50 MHZ FM VHF Receiver
Net 17.95
ACCESSORIES FOR HAND-HELD FM VHF RECEIVERS

| Stock No. | Description | Shpg. Wt. | Net Ea. |
| :--- | :--- | :---: | ---: |
| 99 T 3536 | 117 VAC Adapter. | 1002. | 3.95 |
| 99 T 6258 | Extra "AA" Batteries (4 required) | 1 oz. | .10 |
| 40 T 7901 | Earphone for Private Listening | 5 oz. | .59 |

# LAFAYETTE Police and Fire Professione? only 2" HIGH Solifi State FM Mohile Receivers" 



## MONITOR:

## Public Safety <br> Fire <br> Police <br> Local Gov't <br> Special Emergency <br> Highway Maintenance Forestry Conservation <br> U.S. Weather \& Disaster Warnings

## Model HA-39

39MNz - 40MHz

Model HA-45
$45 \mathrm{MHz}-46 \mathrm{MHz}$

Model HA-153
153 MHz - 155 MHz

Model HA.155
55 mHz
Model HA-159
159MHz - 164 MHz

- 19 Transistors, 6 Diodes
- Double Conversion Superheterodyne Receiver
- Very Low Battery Drain Variable Squelch
- Sensitivity: $0.7 \mu \vee$ For 20 db Quieting
- Instantaneous Operation-No Warm-up


## - 12 Volts DC (Neg. or Pos. Ground) or 117 Volts AC with Optional Solid-State Power Supply.

This superbly engineered. solid state, crystal controlled FM receiver enables superior. accurate monitoring of fire. Police, Local Government, Special Emergency, calls etc. Its 19 transistor, 6 doode solid state circuitry permits instantaneous operation - no loss of precious time due to warmup permits immediate response to emerken. cies! The compact. minlature size makes it ideal for car, truck and boat, as well as for home and office with the optional solid state matching AC power supply. Six crystal-controlled channel capability permits operation on up to 6 fregencies with highly accurate optional crystals. Features an exceptionally sensitive double ronversion superheterodyne circult with $0.7 \mu \mathrm{v}$ sensitivity for 20 db quieting. Designed and built for reliable. trouble-free performance, the receiver uses rugged, heat resistant Silicon Mesa transistors in all critical areas (oscillator. RF and IF). Very low current on 12 volts DC permits continuous monitoring in mobile operation for long periods of lime ${ }^{2}$. even with the motor switched off! Complete with bullt-In $3^{\prime \prime} 5^{\circ}$ speaker and mobile mounting bracket. Size: $6 \mathrm{Wx} 80 \times 2^{\prime \prime} \mathrm{H}$. Imported. Shpg. wt., $6 \frac{1}{2}$ lbs

Model HA.39: For 39 to 40 MHz Operation.
99 T 2602Wx $\$ 5$ Monthly. Less Crystals Net 99.95 40 T 8204 Y* Crystal for HA-39 Net 6.95
Model HA-42: For 42 to $\mathbf{4 3} \mathbf{M H z}$ Operation.
99 T 2603 wx $\$ 5$ Monthly. Less Crystals
40 T 8205 Y* Crystal for MA-42 $^{2}$
Net 99.95
Model HA-45: For 45 to 46 MHz Operation.
99 T 2604 RX $\$ 5$ Monthly. Less Crystals $\qquad$ Net 99.95
40 T $8206 \mathrm{Y}^{*}$ Crystal for HA-45
Model HA-46: For $\mathbf{4 6}$ to 47 MHz Operation.
99 T 2588 wx $\$ 5$ Monthly. Less Crystals
40 T $8201 \mathrm{Y}^{*}$ Crystal for HA-46 $\qquad$ Net 99.95 Model HA-153: For 153 to 155 MHz Operation.
99 T 2586 WX $\$ 5$ Monthly. Less Crystals $\qquad$ Net 99.95
40 T $8202 \gamma^{*}$ Crystal for HA- 153 $\qquad$
Model HR-155: For 155 to 157 MHz Operation.
99 T 2587 WX $\$ 5$ Monthly. Less Crystals Net 6.95

40 T 203 Y* Crystal for HA-155 $^{2}$ Net 99.95 Model HA-159: For 159 to 164 MHz . Also moniters U.S. Weather Reports and Olsaster warnings in many parts of the country.
99 T $2609 \mathrm{wr} \$ 5$ Monthly (Less Crystals) Net 99.95 40 T 8209 Y $^{*}$ Crystal for HA-159 $\qquad$ Net 6.95

## *Specify Exact Operating Frequency. Must Be Ordered Special.

3 to 4 Weeks Delivery. Crystal Tolepance $\mp 0.0015 \%$. Wh., 402. H8-502A: 117V AC Sturdy attractive matching power supply for base station operation. $6 \mathrm{~W} \times 7 \% / 6 \mathrm{D} \times 23 / 4 \mathrm{NH}$. Imported. 99 T 3153W Shpg. wt., 5 lbs.

Net 16.95

## ECONOMY MONITOR SYSTEMS WITH "PB" and "PF" POLICE AND FIRE RECEIVERS




Indoor Antenna PF-60 High Band Receiver ( 152.174 MHz ) 79.95 High Band Ground Plane Antenna $\quad 7.50$ 50 Ft. RG-8/U Low Loss Coaxial Cable 8.50 TOTAL 95.95 40 T 9040 wXM Shpg. wt., 26 lbs. $\ldots$ Net 92.95 PF 30 Low Band Receiver $(30.50 \mathrm{MHz}$ ) __ 79.95 Low Band Ground Plane Antenna $\quad 8.95$ 50 Ft. RG-8/U Low Loss Coaxial Cable - 8.50 TOTAL 97.40 40 T 9041 WXM Shpg. wt., $26 \mathrm{lbs} . \quad$ Net 93.95 PF. 175 Dual Band Monitor Receiver ___ 99.95 Dual Band Range Boost Antenna 19.95 59 Ft. RG-8/U Low Loss Coaxlal Cable - 8.50 TOTAL $1 \overline{128.40}$
SAVE 5.45 from Catalog individual prices
40 T 9024 WXM Shpg. wt. 30 lbs. ._ Net 122.95
Same as $40-9024 \mathrm{WXM}$ except with Lafayette Model PAA 2-Band VHF indoor antenna instead of dual band outdoor ground plane antenna, and less cable assembly. Shpg. Wt., 19 lbs.
40 T 9027 WMM
Net 104.95
SAVE 3.95 from individual Catalog prices

## Package Price


$\$ 5$ Monthly
Save 3.00
from individual
catalog prices
Package Price
$93^{35}$
\$5 Monthly
Save 3.45
from individual
catalog prices

# Feqenay 블Special Purpose FM-VHF Receivers 

FOR: Stetr, County and Municipal Polles-Fire Departments-Civll Defense-Trucking-Rallroeds-Highway Maintenanco-Forestry Con-servation-Petroleum and Industrial Activities.


MODEL DR-200 2 BAND TUNABLE FM-VHF RECEIVER
 No Money Down

- Covers $30 \cdot 50 \mathrm{MHz}$ and $\mathbf{1 5 2} \cdot 174 \mathrm{MC}$ - Tunable and Crystal Controlled

Use this quality FM receiver to tune in exciting Police and Fire calls, Taxi and Radio telephone calis, and important Civil Defense calls. This deluxe receiver is tunable or can be cystal controlled to single frequency on each bend using crystals available separately (see below). Specifications: Frequency Range: $30-50 \mathrm{MC}$. 152.174MC. Sensitivity for 20 db quieting: 1 uv on low band, 2 uv on high band. Tubes: 14. uses 5Y3GT Rectifier. Power output: 1.5 watts Size: $8 \times 61 / 2 \times 7 \frac{1}{/ 2}$. For 115 volt AC operation. Shpg, wt., 21 lbs.
40 T G009wx Model DR- $200 \ldots$ Net 200.00 DRS-1 Matching Speaker for Model DR-200 40 T 6010 w wt., 3 lbs. Net 15.95 CRYSTALS FOR OR-200
Special Crystals for DR- 200 ground to order. Allow 3 to 4 weeks delivery. wt., 2 oz.

SPECIFY EXACT FREQUENCY
40 T 601 iY for $30-50 \mathrm{MHz}$ Band Net 6.95 40 T 6012 Y For 152.174 MHz Band Net 6.95

## MOBILE FM-VHF RECEIVERS

 No Money Down 5 ea.

- M-40; Tunable $30-50 \mathrm{MHz}$
- M-160; Tunable $152-174 \mathrm{MHz}$

These high quality tunable mobile recelvers cover the entire FM communications band with excellont sensitivity. 10 tube circuit features a fully tuned RF amplifier, dual conversion, and two stages of limiting followed by the diserim. inator. Power output is 8 watts, built-in 4" speaker. For 12 V . DC 3.9 amperes. Housed in attractive cabinet, only $41 / 2 \times 61 / 2 \times 83 / 4{ }^{" 1}$. Shpg. wt., 10 tbs.
MODEL M-40 Mobile FM receiver for 30.50 MHz band. Sensitivity $2 \mu \mathrm{~V}$ for 20 db quieting. 40 T $6001 w x$ monthly $\qquad$ Net 150.00 MODEL M-160 Moblle FM receiver for $\mathbf{1 5 2 - 1 7 4}$ MHz band. Sensitivity $2 \mu \mathrm{~V}$ for 20 db quleting. 40 T 6003 wx $\$ 8$ Monthly $\qquad$ Net 150.00

## TUNABLE FM-VHF RECEIVERS

- MR.10D Tunable 152.174 MHz - MR 33D Tunable $30 \cdot 50 \mathrm{MHz}$

Extra sensitive FM receivers for police and fire departments, Civil Defense, and industry use, Ideal for any type of fixed or portable application. 3 -gang tuning condenser. Sensitivity of $4 \mu \mathrm{v}$ or less for full 20 db quieting. Adjustable squeich eliminates noise between transmissions. Built-in $5^{* *}$ speaker, 8 watt output. Illuminated slide-rule dial for night operation. Two-tone metal cablnet $111 / 4 \times 7 \% \times 61 / 2^{\circ}$. For $105-125$ volts 60 cycle AC only. U.L. Histed. Shpg. wt., 11 lbs. NEW MODEL MR-10D $152-174 \mathrm{MHz}$ 40 T 6021wx $\$ 5$ Monthly $\qquad$ Net 84.95 NEW MODEL MR-33D 30.50 MHz 40 T 6022WX $\$ 5$ Monthly Net 84.95

## Only <br>  <br> 95 <br> ea.

## ON.CALL" <br> REGENCY "ON-CALL"

 CRYSTAL-CONTROLLED TRANSISTORIZED FM-VHF RECEIVERS

As Low As $115^{00}$
No Money Down

- Emergency Receivers to Alert Police and Firemen
- For 30 to $50 \mathrm{MHz} ; 150$ to 175 Mc
- 3 Way ON.CALL Power Supply permits Operation on 117 VAC. 12VDC, or optional internal Battery Pack
- Single channel or 6 Channel Crystal Controlled Models

The "ON-CALL" Transistorized Emergency Receivers combine the reliability of transistors and a $1 \mu \mathrm{y}$ sensitivity for a strong, clear signal with minimum distortion and background noise. Optional internal battery pack is automatically activated in case of power failure. Includes Squelch control. Audio output 1.5 watts. 21 transistors -9 diodes. Cabinotblue vinyl-laminated steel. Size $11 W \mathrm{~W} 41 / \mathrm{Hx} 7 \mathrm{H}^{2}{ }^{\circ} \mathrm{D}$. Shpg. wt., 8 lbs . E Each unit comes with one erystal.*

## CHOOSE FROM FOUR BASIC MODELS

MODEL TML. 1 * Single channel crystal control for $\mathbf{3 0 - 5 0 M C}$.

MODEL TMH.1 * Single channel crystal control for $\mathbf{1 5 0 - 1 7 5 \mathrm { MC } \text { . }}$ 40 T 6625 XY - Six channel crystal control for 30.50 MC . 40 T $6622 X Y$ - Six channel crystal control for 30 $\qquad$ MODEL TMH-2 * Six channel crystal control for $150-175 \mathrm{MC}$.
40 T 6623XY
$\$ 7.00$ Monthly
-

## Accessories for "ON-CALL" Receivers

Emergency tone alarm kit. Optional feature of great value in alerting volunteer fireman, off-duty policemen, emergency squads, or private ambulance crews. SPECIFY TRANSMITIING ALARM AUDIO FREQUENCY: $313.0,349.0,389.0$ or 433.7.
40 T 6632 Y $\$ 5$ Monthly Shpg. wt., $31 / 2$ lbs. Net 40.50 Extra crvstals-please specify exact frequency. 40 T 6616 Y Shpg. wt., 2 oz Net 6.55 DC Power Cord enables receiver to be operated from any 12 V DC power source with a negative ground.
40 T 6619 Shpg. wt., 6 0z. Net 2.95
Emergency Battery Pack. Will switch circult automatically to 12VDC if the 117VAC power falls.
40 T 6620 Shpg. wt., 1 lb. $\qquad$ Net 28.35
Carry Handle and Moblie M E Bracket
40 T 6621 Shpg. wt. 802. Net 5.35

- ALL MOOELS ARE OROEREO SPECIAL ANO ARE SUBJECT TO 6 WEEKS OELIVERY. SHIPPED COLLECT FROM INDIANAPOLIS. NO COO OROERS.


# LAFAYETTE VHF Antennas-VHF Receivers \& Converters 

## DELUXE LAFAYETTE MOBILE <br> FM VHF ANTENNAS

HIGH BAND MOBILE ANTENNA
Only 595
with $12^{\prime}$ cable

- For $130-174 \mathrm{MHz}$

Mobile roof or trunk mount for 130. 174 MHz operation. Terminates in 3/9" bolt. Whip has set screw-type adapter for easy tuning. Comes with $12^{\circ}$ RG-58U cable and PL259 connector pre soldered to the antenna. Length $211^{\prime \prime}$. Shpg, wt., 1 lb.
40 T0113W
Net 5.95

## LOW band mobile antennas

 - For $30.50 \mathrm{MHz}-95^{\text {ea }}$ - Features "Rapid-Grip" Trunk-Lid Mount 3 deluxe new base loaded FM-VHF mobile antennas to choose from-$30-36 \mathrm{MHz}, 36-42 \mathrm{MHz}, 42.50 \mathrm{MHz}$. All 3 antennas include "Rapid-grip" trunk lid mounts for simple and easy installation. No holes to drifl. Provides ideal omni-directional signal pattern. Consists of weatherproof phasing transformer, stainiess steel whip and cadmium plated "rapidgrip" mount. Overall tength 43". Wt. 2 lbs.40 T 0114 W 30.36 MHz ...... Net 11.95 40 T $0115 \mathrm{~W} 36-42 \mathrm{MHz}$...... Net 11.95 40 T $0112 \mathrm{~W} 42-50 \mathrm{MHz} \ldots .$. Net 11.95
20' Coaxial Cable Assembly for above antennas. Terminate with PL-259 on one end and universal lugs on other end.
42 โं 7002
Net 2.75

## LOW-BAND 30.50 MHz WINDOW MOUNT ANTENNA

- Perfect for Apartment Applications

Especially designed for apartment installation where other outdoor ntennas can not be used. May be cut to resonate at any desired frequency from 30 to 50MC. To receive signals below 30MC, simply leave antenna at maximum length. Comes with angle mount bracket for ledse mounting. Shpg. wt., 3 lbs.
40 T 1301w
Net 7.95

## LAFAYETTE MONITOR FM-VHF GROUND PLANE ANTENNAS

as low as NEW!

LafayEtTE "RANGE-BOOST"TM 2 BAND FM VHF GROUND PLANE COMMUNICATIONS ANTENNA


An exceptionally efficient ground plane antenna for operation between 30 to 50 MHz and 130 to 174 MHz . Comprised of 4 easily as. sembled drooping elements tuned to 30 MHz and vertical radiator with a matching transformer and low and high band colinear collector. Ideal for use with Lafayette FM communications receivers. Constructed of heavy-duty aluminum alloy rods and stainless steel tip section. Antenna comes complete with mounting bracket for 1 " pipe or $11 / 4^{\prime \prime}$ tubing. Shpg. wt. 6 lbs.
40 T 0105wx
Net 15.95

WEW SOLID STATE FM-VHF And AM-VHF TUNAVERTERS


For High And Low Band Police, Fire, Aircraft

- Plugs Into Your Regular AM Car Radio
- Tuneable And Crystal Control Self-Contained Battery Power Supply


## Your Choice 395

All transistor tuneable converter that enables your regular car AM auto radio to receive Police. Fire, and aircraft VHF frequencies. Drift-free monitoring with FET transistor oscillator. 3-gang tuning capacitor. Completely tuneable or crystal controlled operated. Comes complete with $24^{\prime \prime}$ special low capacity coax cable with Motorola plugs on each end of the cable ready to plug into your auto radio. $21 / \mathfrak{z}^{n}$ $x 34 / 2^{\prime \prime} \times 41 / 2^{\prime \prime}$. Operates on 9 Volt battery. Shipg. Wt., 2 ibs.

| STOCK NO. | TUNES | NET EA. |
| :--- | :---: | ---: |
| 40 T 2002 | Police $150-164 \mathrm{MHz}$ | 32.95 |
| 40 T 2003 | Police $33-48 \mathrm{MHz}$ | 32.95 |
| 40 T 2004 | Aircratt 118.128 MHz | 32.95 |
| 99 T 6021 | 9 -Volt battery for above Net .21 |  |

Lafayette model paA 2 BAND FM-VHF INDOOR ANTENNA

## Only



- For $\mathbf{3 0 - 5 0 ~ M H z}$ $130-174 \mathrm{MHz}$
New exciting antenna enables you to operate your VHF FM communications receiver without having to put up an outdoor antenna. Consists of 2 section stainless steel whip with center loaded colls for $30-50 \mathrm{MHz}$ and 130.174 MHz . Ideal for use with Lafayette Models PF175, PF60, PF30 FM VHF receivers. Overall length $48^{\prime \prime}$. lug.type connector. Shpg. wt. 2 lbs: 40 T 0111

- Electronic Squelch
- Nuvistor RF Amplifier
- Frequency Range $108-136 \mathrm{MHz}$

A deluxe g-tube "Flight Monitoradio" for use in the home, office, by pllots, flight schools and clubs. Includes all ILS, radar approach, UNICOM, Omnirange (VOR), control tower, private, commercial and milltary aircraft communications. VHF frequency range 108 to 136 MHz . Sensitivity $1 \mu \mathrm{~V}$. Features nuvistor RF stage, fully tuned 2 nd rf stage, built-in 5" speaker, noise squelch, tone and volume controls and llluminated slide rute dial. 8ilue vinyl laminated steel cabinet. Size: $121 / 3 \mathrm{~W} \times 64 / 4 \mathrm{H} \times 63 / 9 \mathrm{D}$. For $105-125 \mathrm{~V} 60$ Hz AC. Shpg. wt., 16 lbs. 40 T 6015wx $\$ 5$ Monthly

Net 99.95

# Quality Sonar Marine Electronic Equipment 

NEW SONAR MODEL 75AW TRANSISTORIZED
75 WATT MARINE RADIO TELEPHONE

## SONAR DF-1301 TRANSISTORIZED DIRECTION FINDER



## Only $249^{50}$

No Money Down
Equipped with crystal for 162.55 MHz To pick up U.S. Weather Bureau Forecast

Features left/right meter indication of boat heading. 3 bands: Beacon ( 180 kHz to 420 kHz ) Standard Broadcast ( 525 kHz to 1650 kHz ); Marine ( 1600 to 3500 k hz ) plus Consolan reception. Also features crystal for 162.55 MHz . enabling listener to hear U.S. weather Bureau VHF forecasts. Sensing system provides true null bearings $\pm 1^{\circ}$. Includes, ANL, antenna, speaker, compass rose, and amplified meter for greater sensitivity. With battery. Size: $133 / 4 \mathrm{Lxl0} 1 / 20 \times 8^{*} \mathrm{H}$. Shp. wt., 14 lbs.
40 T $4327 \mathrm{WX} \$ 12.50$ Monthly $\qquad$ Net 249.50

## SONAR D120B DEPTH INDICATOR



## only $139^{50}$

 No Money Down- Reads Up To 250 Feet - $360^{\circ}, 4^{\prime \prime}$ Scale With 1-Foot Calibrations
- One-Piece, Non-Magnetic Construction

Highly sensitive, extremely accurate depth indicator for bulkhead mounting. Measures from 1 to 250 feet. Easily installed even while boat is in water. For 12 Voc. Size: $111 / a W \times 7 / 2 H \times 71 / 2^{*} 0$. Complete with transducer, gimbal and fairing block. Shpg. wt., 10 lbs 4e T 4312WX $\$ 7.50$ Monthly

Meets FCC requirements for commercial boats having six or more passengers for hire. Powerful 75 watt transmitter has a tumed RF amplifier for all 6 marine channeis. Advanced 10 transistor, 3 tube, 10 diode circuit. Receiver features low battery drain ( $3 / 10$ a mpere), gated noise limiter, silicon transistors, broadcast band coverage, adjustable squelch, and front mounted hilfi oval speaker. Transmitter utilizes power saver "stand-by" switch, front panel tuning and RF output Indicator, high level class "g" modulation, and speech limiter. Non-magnetic all afuminum construction treated against the effects of salt water and fungus. Power requirements: 12 volts DC. Size: $131 / 2 \mathrm{~L} \times 10 \$ / \mathrm{W} \times 61 / 4 / \mathrm{H}$. Supplied with universal mounting bracket and push-to-talh mike, 3-pair of matched crystals for 2182 kHz coast guard, 2638 kHz and 2738 kHz Ship-to-shore. Also includes 162.55 MHz crystal so VHF weather reports can be received instantly from U.S. Weather Bureau Stations at all times. Shog. wt., 17 lbs. 40 T 4320wx Model 75 AW

Net 299.95
Model 115W Same as above but with 115 watt input.
40 T 4329wX Shipg. wt., 18 los.
Net 370.95
ACCESSORIES FOR SONAR MARINE HADIO TELEPNOMES
Model AN16-Deluxe 18 Ft. Heavy-Duty Fiberglass Antenna with heavyduty chrome lay down mount. Shpg. wt., 11 ibs.
40 T 4322WX $\$ 5$ Monthly

## SONAR DC-480 COMBINATION CHART AND FLASHER DEPTH RECORDER



Only
$239^{95}$
Completo With Transducer. Gimbal. Fairing Block

## SONAR DR-250 DUAL RANGE <br> DEPTH INDICATOR with MAGNA-PULSE KEYING

No Money Down
A highly sensitive depth recorder which ooth records your voyage as you sail and provides an instant flashing indication for safe navigation. The unit can serve as a reliable navigational guide in unfamiliar channels and to help find schools of fish and underwater wrecks. Illuminated two color chart is calibrated from 0 to 120,120 to 240 ft . Has $4^{\prime \prime} \mathrm{x} 6^{\prime \prime}$ viewing area. $360^{\circ}$ flasher dial indicates 0 to 480 ft . Takes 5 soundings per sec. ond. Only 5 amps. current drain, Size: $103 / 4 W \times 67 / \mathrm{Hx} 63 / 4 \sim \mathrm{D}$. For 12 VDC positive or negative ground. Shpg. wt., 15 lbs.
to t 4323 wx $\$ 11.50$ Monthly__ Net 239.95


Only
$189^{50}$
No Money Down
Complete with Transducer. Cimbal, Fairing Block

An extremely accurate and sensitive depth indicator. With Magna-Pulse Keying .... a new concept in depth indication. Hand wired. and extremely rellable for accurate readings. Two speed synchronized motors for direct reading at $0^{\circ}$ to $60^{\circ}$ and $0^{\prime}$ to $250^{\circ}$. Adjustable night panel illumination and nonglare, $360^{\circ}, 4^{\prime \prime}$ dial. Comes complete with heavy duty bronze housine thru-hull or alu. minum transamount transducer, power plug and all positions mounting gimbal. Soundings: 38 or 10 per second. Frea. 200kc. For 12 volts only. $7 \times 51 / 2 \times 81 / 2{ }^{2}$. Shog. wt, 7 iDs 40 T 4325 wh $\$ 10$ Monthly
_ Net 189.50

SONAR MODEL HA-I SOLID-STATE 2-WAY 3D-WATT HAILER


Complete with Control Unit, Mike, Trumpet, and 25 Ft .

Cable

## No Money Down

# Selected Marine Ratios, Depth Finders And Accessories 

## NEW SONAR MODEL DIO TRANSISTORIZED DEPTH INDICATOR

## $114^{95}$

No Money Down Complete with transducer and gimbal.

- Range: 1 to 60 feet
- Soundings: 40-persecond

ightweight and rugged one-piece transistorized depth indicator is ideal for shallow water navigation and fish location. Features an optically designed non-glare dial with 1 -foot calibrations to 60 feet, adjustable magnetic key and governor control that protects against deviation in indication due to boat's voltare varlation. Constructed in a non-magnetic, special aluminum cabinet treated against saitt spray and fungus effects. 200 kHz operating frequency. For operation on 12 volts DC Negative Ground only. Current drain on 12 volts is a low $1 / 2$ ampere. Shpg. wt., 31/2 lbs.


## 40 T 4330 x $\$ 6.50$ Monthly

Net 114.55

## "SHIPMATE" MOBILE MARINE

 RADIO CONVERTER- Receive Marine Broadcasts On Your AM Car Radio
- Tuning Range 2000 3000 kHz
- For Coast Guard, Marine Telephone, Ship to-Ship Broadcast, WWV (weather), Ship.toShore Conversations


Now you can listen to marine broadcasts on your car radia. A filick of the switch and your auto radio becomes a powerful, lang.range marine receiver. Switch back and it plays the normal broadcast band. All-transistor circuitry uses only $1 / 2000$ of an amp frora built-in battery; virtually the batterv's entire shelf life. Converter selects any frequency between 2000 KHz and 3000 KHz . Operates with either 6 V or 12 V automobile ignition system. Comes complete wi:h mounting hardware, $24^{-}$antenna cable and $9 v$ battery. Slize: $41 / 2 \times 21 / 2 \times 1 / 2^{*}$ 40 T 3201 Shpg . wt., $11 / 2 \mathrm{lbs}$.

Net 15.95
"Wearnermate" Mobite Marine And Weather Band Converter: All the features of above plus continuous marine weather reception. Includes crystal-controlled VHF converter for 162.55 MHz . Also tunes $2-3$ MHI. $41 / 2 \times 21 / 2 \times 11 / 2^{\prime \prime}$.
40 T $3202 \$ 5$ Monthly. Shpg. m., $11 / 2$ ibs. $\qquad$ Net 39.85

NOVA TECH PILOT II SOLID STATE 4 BAND MARINE/VHF RADIO DIRECTION FINDER

with batteries and earphone
No Maney Down


4 band radio receiver picks up the entire marine and aircratt bands, weather reports, and standard AM. Features: rotating loop for sharp nulls and accurate bearings, $180^{\circ}$ left-right bearing scale, null meter, DF level control, calibrated optical sights, push button dial light, 4 antennas, 2 external headphone jacks, 12 transistors. Complete with $A C$ adapter, batteries mounting bracket, and earphone. Size: $91 / 2 x$ $51 / 2 \times 24 / 2{ }^{2}$. imported. Shpg. wt.. 5 lbs .
40 I 3001 wx $\qquad$ $\$ 7$ Monthly $\qquad$ Net $128 .{ }^{2} 5$
99 r 6258 Extra "A A" batteries for above ( 4 required) Net ea.
.10

## NOYR TECH "NOYA" 3" SOLJD STATE 3 BAND MARINE RADIO DIRECTION FINDER



With Earphone and Batteries


A precision 3 -band radio direction finder designed for the boat owner as well as the marine enthusiast. Tunes low frequency navigation beacon and weather bands; marine and shortwave plus standard AM broadcast bands. Also tunes WWV to provide accurate time ticks for celestial navigation. Circuit consists of eleven transistors, tuned RF, 3 -gang tuning conderser, heavy-duty speaker, built in BF (for Consolan reception), rotary anterna and null meter. Operates on 4 inexpensive " $A A^{\prime}$ " batteries. Size: 9 " $\times 3$ " $\times 6$ ". Shpg. wt., 3 lbs. 40 r $3803 \mathrm{wx} \$ 5$ Monthly 99 Y 6258 Extra " $A$ A" batteries for above ( 4 required) Net ea. 10


- Weighs only $41 / 2$ lbs.


Miniature,
Powertal, Powertal, Portable Emergency Generator


Madel 67 "Hush-Tone"-Features 1 hp , 2 cycle Ohisson \& Rice air cooled eneine with a high capacity magnito ignition. $31 / 2$ pint, premixed ( 10 parts gas -1 part oil) fuel capacity allows operation at full power $(6300 \mathrm{pm})$ for $21 / 2$ hours. Dual voltare. direct drive generator produces up to 350 watts of 115 V ., AC , and 12 amps. of 12 V ., DC simcitaneously. Constant voltage within 110-120 volts with an automatic overload rebief system. Light enough to carry. anywher: ( 12 lbs.). . small enough to carry in one hand ( $81 / 2^{\prime \prime} \mathrm{H} \times 81 / 2^{\prime} \mathrm{W} \times 101 / 4^{\prime} 2$ ). Shpg. w... 16 lbs.
12 I 3552 \$5 Monthly $\qquad$ Net 99.55

## LAFAYETTE "MARINE KING" BOAT COMPASS



- Fully Internal Gimbal Mounting
- Super Heavy Magnet Assembly

Internal gimbal mounting affords maximum protection and stability, combined with a super heavy magnet assembly, insures accurate, dependable readings. Easy to read $4^{\prime \prime}$ dial with luminous letters is divided into $5^{\circ}$ increments and covered by a removable plastic shield to cut down on glare. Compensation controls adjusts for changes in magnetic surroundings. Durable chrome finish and ultra-modem styling. Dimensions: $74 / 2^{\prime \prime} \mathrm{x}$ 51/4"D. Imported. Shpg. wt., $33 / 4 \mathrm{lbs}$. 99 T 9179 $\qquad$
r 6256 Shog. wi., 1 oz. _ Net ea.

# Tune In The World With LAFAYETTE Explor-Air Mark V Shortwave + AM Broadcast Receiver 



5 Bands
Broadcast +4 Exciting International Shortwave Bands

- 550 to 1600 kHz - 9.45 to 9.8 MHz - 5.9 to 6.25 MHz - 11.45 to 12 MHz - 15.05 to 15.5 MHz


## SUPERHETERODYNE- Not Super-Regenerative!

## BRIMG HISTORY MAKING NEWS into Your home <br> from the famous capitals OF THE WORLD!

## NOT A KITCOMPLETELY WIRED

Listen to world-wide excling current events right in your own home hear the actual broadcasts from the major news centers around the world in English and fareign languages; BBC London, Radio Moscow and many others.
The Explor-Air Mark $V$ receiver is refined in its ability to bring in stations loud and clear and features simplicity of operation. In addition to the standard AM broadcast frequencies, the recelver is designed to tune the popular international shortwave broadcast bands on 49,31, 25 and 19 meters (each band occuples a select portion of the full shortwave spectrum) through the use of individual tuned circuits for each of the five bands. For greater ease of tuning on cungested bands each shortwave band has been extended to cover the entire width of the 0 to 100 logging scale.

## ECONOMY SHORT-WAVE PACKAGES WITH

 EXPLOR-AIR MARK V

Explor-Air Marh $V$
Shortwave Window Antenna $\quad 9.95$
Only

40 T 9014 WXM Shpg. v.t., 14 lbs.


Operating features on the recelver include a self-contained $4^{\prime \prime}$ dynamic speaker, built-in loopstick antenna, large illuminated slide-rule dial callbrated in frequency and indicating place names, a front panel headphone jach for optional silent listening, controls for Volume Off/ On, Tone and Band Selection, plus rear panel connection for external shortwave antenna. SPECIFICATIONS: Full coverage on 5 bands; AM Broadcast ( 0.55 to 1.6 MHz ), and International Shortwave on 49 Meter ( 5.9 to 6.25 MHz ), 31 Meter ( 9.45 to 9.8 Mc ), $25 \mathrm{Meter}(11.45$ to 12 MHz ), and on 19 Meter ( 15.05 to 15.5 MHz ). Receiver is AC transformer powered with efficient superheterodyne circuitry. Complete with beautiful walnut grained metal cabinet. For $105 \cdot 125 \mathrm{~V}$., $50 / 60 \mathrm{~Hz} \mathrm{AC}$. Size. $14 \mathrm{Wx} 8 \mathrm{D} \times 6^{\prime \prime} \mathrm{H}$. Imported. Shpg, wt., 11 lbs .
99 T 2585WX $\$ 5$ Monthly
Net 49.95

## HY-GAIN SW-9 SHORTWAVE WINDOW

 ANTENNA - Includes Universal Window Mounting Brachet The Ideal shortwave antenna for window onty installations, where roof-top antennas 995 are impractical or cannot be used. Provides broadband performance comparable with other larger installations. Consists of one 9 foot aluminum tubular element with a universal mounting bracket and feedtine. Simple to install. Answers the problems of apartment dwelling SWL's. Shpg. Wi., 3 lbs. 40 T 3118 wxNet 9.95

## HY-GAIN SW-6 SHORTWAVE ANTENNA


the eaves, in the attic sists of 50 ft . copper wire attached at both ends to low-loss styrene insulators. $15^{\prime}$ weather-proof rope on each insulator, plus lead-in leedline. Shpg. wt., 2 lbs. 40 T 3117


## 6-METER SOLID-STATE MOBILE TRANSCEIVER With Built-in V F 0



- $\pm 200 \mathrm{KHz}$ Vernier Receiver Tuning
- Sensitivity Less Than $1 \mu \mathrm{~V}$ for 10 db S/N

Years of engineering research in 2 -way communications brings you a maior breakthrough in size, performance, and pricing of 6-meter 2-way gear... the HA-750. Fully transistorized $50-52 \mathrm{MHz}$ circuitry teatures selectable single knob VFO receiver/transmitter tuning with vernier offset or crystal controlled transmitter with tuneable receiver operation. Fine features include lluminated "S"/"PRF" meter, spot switch, series gate automatic noise limiting, built-in $3 \times 5$ " speaker, and relay switching. 5 -watt transmitter draws less than 1 ampere on full transmit. May be used as a 2.5 watt public address amplifier with external speaker, Supplied complete with DC power cable, mobile mounting bracket, and plug.in PIT dynamic microphone. Size: $2^{33 / 4} 4 \times 61 / 4 W \times 8^{\prime \prime} 0$. Imported. Shpg. wt. $51 / 2 \mathrm{lbs}$.
0. T 2605 WX $\$ 6.50$ Monthly For Negative Gnd. Only _n Net 119.95 MODEL HB-502A Charger/AC Power Supply for 117 volts AC opera. tion. Charges nicad batteries used in portable power pack. 99 T 3153 w Shpg. wt., 5 lbs ,

MODEL HB-506 PORTABLE DC POWER PACK Attaches to HA- 750 for convenient portable operation, Less Batteries.
ss 13154 Shpg. wt., 2 lbs. $\qquad$ Net 18.05 "C" Dry Lell for HB-506 Power Pak (8 required) ร5 $\mathrm{T} \mathbf{6 5 7}$ $\qquad$ Net ea. . 14 Lots of 10 Net 1.20 99 T 6293 Alternate "C" Alkaline Cell (8 required) _._ Net ea. 39 DELUXE DYNAMIC DESK MICROPHONE with PTT and "Lock" Switch. 584608 Shpg. wt., $11 / 2 \mathrm{lbs}$. Net 11.95
50 MHz .CRYSTALS FOR HA-750 Special order-4 weeks delivery. 40 T $5701 Y$ Specify exact operating frequency 4.95

LAFAYETTE 6-METER "RAPID-GRIP" MOBILE ANTENNA. WT., 2 Ibs. 40 T0109 Less Cable Assembly
$\qquad$
HA-250
SMALL ... COMPACT ONLY 2 INCHES HIGH!

## Convert Flea Power To Real Power!

$79^{95}$

$\$ 5$ Monthly<br>No Money Down

Made in U.S.A.

- Will Work On Any Signal of 1 to 10 Watts - AM, FM, SSB or DSB, and CW
- Completely Self-Contained $\mathbf{1 2}$ Volt Power Supply
supply utilizes a high efficiency toroid power transformer. Ruggedly designed chassis with oversized heat sinks assures sturdy and cool operation. Supplied with comprehensive manual, fused DC power cables, and mounting bracket. Size: $7^{\circ} \mathrm{O} \times 9^{\text {" }} \mathrm{W} \times \mathbf{2}^{\boldsymbol{*}} \mathrm{H}$. Made in U.S.A. Shpg. Wt. $34 / 2$ lbs.
40 f oiocwx 12 Volt $D C$ Negative Ground Only $\qquad$ Net 79.95 SPECIFICATIONS: Frequency Coverage: $\mathbf{2 0 . 5 4} \mathbf{M H z}$. Plate Power Input: 50 Watts ( 100 Watts PEP). Minimum RF Orive: 1 Watt, Maximum RF Drive: 10 Watts. Input Impedance: 50 Ohms, Output Impedance: 40 600 Ohms ( 50 Ohms Nominal). Amplification Modes: AM, FM, SSB or DSB, CW. Power Requirement: 11.5-14.5 Volts DC (Negative Ground Only). Power Consumption: 12 Watts Iding ( 1 Ampere at 12 Volts), 96 Watts at Full Input (8 Amperes at 12 volts).


# 6 and 10 Meter Amateur Transceivers 

Model HA-410 28-29.7 MHz.

## COMPLETELY WIRED

# ${ }^{\text {ont }} 149$ 

- Dual Conversion with Crystal Controlled 2nd Converter
- Built-in Low Pass Television Interference Filter
Exciting 400 series transceivers feature a powerful plate modulated 20 watt DC inpul transmitter and stable VFO with its own frequency control knob. Tune up is fast and efficient with broad-banded driver and multiplier stages. Snielded low pass filter minimizes TVI problems. Dual conversion receiver utilizes a crystal controlled 2 nd converter. Nuvistor RF amplifier's sensitivity is less than 1 uv for 10 do signal to noise ratio. Selectivity at $8 \mathrm{KHz}_{2}$ is 35 db . Effective automatic nolse limiter eliminates most types of QRM. Other features include spotting switch, use of standard 7 and 8 MHz . Crystals with front panel crystal socket; Illuminated meter that reads $S$ units on recelve and RELATIVE RF output on transmit; plug. in encapsulated dust free relay switching; front panel earphone jack; push-pull audio amplifier; and rugged push-to-talk ceramic mike with colled cord and plug. Going mobile? The 400's come with both 117 V.A.C. and 12 V.D.C. (positive or negative ground) bulit-in solid state power supplies. Supplied with $A C+D C$ power cords. mike and mo-
- 20 Watt DC Input-2E26 Final
- Built-in Solid State 12 V.D.C. and 117 V.A.C. Power Supplies
- Tuned Nuvistor Front End
bile mounfing bracket. Size: $12 \%$ Wx $5 \%$, $H x$ $33 / 4^{\circ} \mathrm{D}$. Imported. Shpg. wt., 22 lbs .
Lafavette Model Ha $\mathbf{4 6 0}$ - 6 Meter Amateur Transceiver for $50.0-52.0 \mathrm{MHz}$. 99 T 2579wx $\$ 8$ monthly

Net 149.95 Crystals far HA-460. Specify Fundamental Frequency (divide operating frequency by 6). Will supply to nearest 5 KHz . 40 T 5403y Specify Frequency

Net 2.95
Lafayette Model HA-410 - 10 Meter Amateur Tranoceivet for $28.0-29.7 \mathrm{MHz}$.
99 T 2575wx \$8 Monthly........... Net 149.95 Crystals for HA-410. Specify fundamental frequency (divide operaling frequency by 4). Will supply to nearest 5 KHz .

40 T 5402 V Specify frequency ...... Net 2.95
Lafayette 6-Meter "Rapid-Grip" Mobile Trunk Antenna. Less Cable, Shpg, wt., 2 lbs. 40 T 0109
20 Ft . RC. $58 / \mathrm{U}$ Cable Assembly.
42 T 700\%


FRONT PANEL FEATURES

1 Air Variale Antenna Load Central 2 Air Variable Plate Tening Centrel 3 Calfbrated VFO Frequency Contrel 4 Illuminated "\$" and MF Output Meter 5 Calibrated Recelver Frequency Contrel 6 Transmitter Frequency Spottins Switch 7 Frent Panel Communications Speaker - Front Panel Standard Earphone Jack - Pesitive Contact PTT Mierophone Socliel 10 Volume Contral
11 Crystal-VFO Operstion Made Selecter 12 Front Panel Crystal Secket

## 2-METER 120 WATT MOBILE LINEAR AMPLIFIER

# Save ${ }^{\$} 40^{00}$ Now Only $99^{95}$ 

 for mobile use. Efficient RF amplification stage utilizes a special purpose mobile application Amperex DX296/8637 twin tetrode. RF sampling relay automatically switches linear in the instant the exciter is enargized. No external switching, wiring, or muting circuits are necessary. Antenna is automatically connected directly to input socket in off or standby modes. Front panel controls Dermit full flexibillty of tuning and power tevel selection. Illuminated relative Rf power output meter simplifies linear and exciter tuaing. Built in power supply features high efficlency transistor and toroid transformer circuitry. Oversized heat sinhs assure cool operation. Output Impedance 50 ohms. Supplied with manual, fused DC power cable. and mounting bracket. 12 Volt DC Negative Ground Only. Size:


- Covers 144 to 148 MHz - Works with any AM, FM
- 120 Watts (PEP)
- No External Switching
and CW Exciter with 1 or more watts output


# Sp LAFAYETTE 5 Band AM/CW/SSB Solid State Amateur.swl Gear Amateur And SW Receiver 

## 2 <br> Field Effect Transistors

10 Transistors



## Product Detector For SSB/CW

## 5 BANDS:

BAND A
BAND B
BAND C
BAND D
BAND E
150 KHz to 400 KHz
550 KHz to $1600 \mathrm{KHz} \quad 1.6 \mathrm{MHz}$ to 4.8 MHz
4.8 MHz to $14.6 \mathrm{MHz} \quad 10.5 \mathrm{MHz}$ to 30 MHz

## Shortwave - Amateur • AM Broadcast - Weather \& Marine Bands

- 10 iransistors, 2 FET's, 7 Diodes, and 1 Zener Diode
- Two Mechanical Filters for Exceptional Selectivity
- Huge Edge-Illuminated Slide Rule Dial with "S" Meter
- 117 -Volts $A C$ and 12 -Volts DC Negative Ground Operation
- Full 241/2 Inches of Bandspread On 10-80 Meter Bands
- Automatic Series Gate Noise Limiter With AVC


## Only <br> $99^{95}$

No Money Down

New HA-600T general coverage receiver combines the latest solid state electronics with sleek, modern appearance to achieve a superb blend of performance and style. Advanced circuitry utilizes two Fleld Effect Transistors in the front end RF stages to assure high sensitivity with lowest noise factor. 10 high performance transistors and 8 diodes compliment the FET's to provide sharp response with excep. tional stability. Series Gate noise limiter and automatic volume control circultry provide efficient noise and audio blasting suppression on AM. Built-in variable BFO permits clear reception of code and single sideband signals. Dual 455 KHz mechanical filters assure superior selectivity, Receiver's operation is virtually undisturbed by harmonics or nolse from antenna to speaker. Rear panel accessory socket provides convenient connection for audlo output, 12 VDC. ground and AVC line, along with receiver muting connections. Huge flywheel operated slide rule dial has easy-to-read illuminated main
tuning, logging, and bandspread scates. Electrical bandspread features wide calibration for easier tuning of crowded ham bands. Operates from 117 VAC 60 Hz or 12 VDC (negative ground only) perfect for emergency use! Imported. Shpg. wt.. 18 lbs. 99 T 2595WX $\$ 5$ Monthly

Net 99.95 40 T 0905 Matching $3 \times 5$-inch speaker in handsome cabinet Net 8.95 SPECIFICATIONS: Sensitivity: $1 \mu v$ at 10 db signal to noise ratio. Selectivity: $\pm 6 \mathrm{KHz}$ at 60 db down, $\pm 2 \mathrm{KHz}$ at 6 db down. Intermediate frequency: 455 KHz . BFo frequency: $455 \mathrm{KHz} \pm 2.5 \mathrm{KHz}$. Antenna Impedance: $50-400$ ohms. Audio Power Output: 3-watts at 4 ohms. Speaker Impedance: 4,8 , and 500 ohms. Headphone Impedance: 8 ohms. Receiving Modes: AM-CW-SSB. Power Require. ments: 105.120 Volts 60 Hz AC ( 17 watts max.) 12 Volts 0 C ( 650 ma, max.) Size: $15 \mathrm{~W} \times 91 / 40 \times 8 \mathrm{~V} / 4^{\prime \mathrm{H}}$.

## MODEL HE-48B MATCHING AMATEUR SPEAKER

## ONLY <br> $8^{95}$

HE-48B

- Excellent Speaker for Lafayette or Other Receivers Which Require External Speaker
- Large $3 \times 5$-INCH Permanent Magnet Speaker

A quality $3 \times 5$-Inch permanent magnet speaker designed into a handsomely styled cabinet with attractive finish. Provides clean, crisp, and clear audlo response - even during single sideband reception. Made for Lafayette or other manufacturer's receivers which need external speaker provisions. Volce coil impedance: 8 ohms. Size: $75 / 6 \mathrm{H} \times 31 / 2 \mathrm{~W} \times 51 / 4 " 0$. Shipg. wt., 4 lbs. 40 T 0905

## Superb DRAKE Amateur Equipment

## MODEL TR-4 SSB/AM/CW TRANSCEIVER

$599^{95}$

No Money Down

- Full Frequency Coverage 10-80 Meters
- Automatic TR Switching on CW
- CW Side Tone Oscillator
- Vox or PTT on SSB or AM

Deluxe SSB/AM/CW transceiver with VOX and PTT on SSB and AM, automatic transmit/receive swithing on CW. Ideal for mobile or portable work. Sensitivity less than $1 / 2$ microvolt for-1Cdb S/N. Features: Selectivity 2.1 kHz at $6 \mathrm{db}, 7.5 \mathrm{kHz}$ at 60 db ; Ranges $3.5-4$ $\mathrm{MHz}^{2}, 7.0-7.6 \mathrm{MHz}, 13.914 .5 \mathrm{MHz}, 21-21.6 \mathrm{MHz}$., $28-28.6 \mathrm{MHz}$. 28.5-29.1 MHz., $29.1-29.7 \mathrm{MHz}$. Iransistorized permeability tuned osciflator which tunes 4.9 .5 MHz . Less than 100 Hz . drift after warmup; input power 300w PEP (SSB) 260w AM or CW; 20 tubes 6 diodes and bulit In 100 KHz . xtal callbrator. Size $103 \mathrm{KW}=51 / 3 \mathrm{H} x$ $143 / \mathrm{C}^{-D}$. Shpg. wt., $131 / 2 \mathrm{lbs}$.
40 T 6521 WI Model TR-4 No Money Down __ Net 599.95 40 T 6504 MS-4 Matching Speaker for TR-4, wt. 51/2 lbs. Nat 19.95 40 T 5524 WX AC. 4 AC Power Supply for TR-4, 19 lbs. Nat 99.95


## NEW MODEL R-4B TRIPLE CONVERSION RECEIVER

$430^{\circ 0}$
Solid State Linear Permeability Tuned VFO

## No Money Down - Crystal Lattice Filter

Improved version of Madel R-4A. Triple conversion with exzeptional features. Covers $80,40,20$, and 15 meters completely, and $28.5 \cdot 29$ MHz . segment of 10 meters with crystals furnished. Ten accessory crystal sockets for any ten additional 500 KHz . ranges from $1.5-30$ $\mathrm{KHz}^{2}$. with the exception of $5.0-6.0 \mathrm{MHz}$. Selectivity contral with 4 bandwidths: $4 \mathrm{KHz} .1,2 \mathrm{KHz}, 2.4 \mathrm{KHz}$., and 4.8 KHz . Pass band tuning permits S8 selection without returning and adjustment. Noise blanker, notch filter, 100 KHz crystal calibrator. Crystal lattice filter 1st IF. Crystal osciliator and low frequency VFO outputs are premixed. Recelves SSB, AM, CW and RTIY with full RF gain. Product detector for SSE/CW diode detector for AM. Transceive capabillty: transceives with T-4X $B$ "Reciter" or T-4X Transmitter. S-meter. Less speaker. 00 watts, $120 / 240 \mathrm{VAC}, 50 / 60$ Herta. $51 / 2 \mathrm{H} \times 1034 \mathrm{~W} \times$ $113 /{ }^{*}{ }^{\circ} \mathrm{D}$. Shpg. wt., 18 lbs .
40 T $6530 \mathrm{wx} \$ 22$ Monthly $\qquad$ Net 430.00 Model MS-4 Matching Speaker for R-4B. Wt., 8 tbs. 40 T 6504 $\qquad$ Net 19.95


## 2HT CW TRANSMITTER

$149^{\circ 0}$

## No Money Down

- 100 Watts input Power
- Automatic Transmit Switching
- Built-in Power Supply

Works all amateur bands 80 thru 10 meters crystal or VFO controlled. Features automatic transmit switching and antenna change over relay. Simplified tuning is provided by broadband, low level stages and fixed load. Ing: PA Plate tuning only! Additional fea. tures include: Automatic recelver muting; built-in CW sidetone with adjustable level; low pass fitter prevents TVI; spotting func. tion; RF indicator light and built-in power supply. In standby position transmitter can be used as a code practice oscillator. Plate meter is red-lined for Novice power. Delay control varies from full "break.in" to 4 seconds. Also has 2 -front panel crystal sock. ets; rear panel mute, external switch, VFO and key jacks. For 120 V ., $50-60 \mathrm{~Hz} \mathrm{AC}$. Size: $97 / \mathrm{W}^{2} 64 \mathrm{~s}_{2} \mathrm{H} \times 6 \% \%_{2}^{20} \mathrm{D}$. Shpg. $\mathrm{wt}, 14 \mathrm{jbs}$ 40 T $5527 \mathrm{WX} \$ 8$ Monthly


## T-4XB SSB/CW/AM TRANSMITTER

 $449^{\circ}{ }^{\circ}$
## No Money Down

- 200 Watts PEP Input
- 5 Bands SSB, CW, AM and RTTY
- 2 Crystal Lattice Filters
- Solid State Linear Permeability Tuned VFO
Improved version of model T-4X. Covers 160 . 10 Meters. Permeability tuned solld-state YFo has a calibration accuracy of better than 1 KHz . Rated at 200 watts PEP on SSB, 180 watts PEP on AM, and 180 watts CW. AM con. trolled carrier modulation is compatible with SSB linear amplifiers. Two crystal lattice filters for sideband selection. Plate/current relative output meter. Automatic transmit. receive switching on CW delivers true break. in to 60 wpm. VOX or PM on SSB and AM. AGC operates on SSB to prevent flat topping due to everdrive. Size: $54 / 2 \mathrm{H} \times 115 \mathrm{HO} \mathrm{x}$ $103 / 4^{\prime W}$ W. Less power supply. Shpg. 18 lbs. 40 Y $6532 \mathrm{WX} \$ 23$ Monthly . Net 449.00
AC-4 117 /AC Power Supply for $5-4 \times 8$ 40 T $6524 \mathrm{Wx} \$ 5$ Monthly



## 2.C SSB/AM/CW RECEIVER

229 ${ }_{\mathrm{No}}^{5}$

## - Solid State AVC

- Product Detector For SSB/CW
- 3 Bandwidths of Selectivity

Covers the $80,40,20$ and 15 meter ham bands plus 28.5 to 29.0 mHz of 10 meters with crystal furnished. Also tunes any 500 kHz range between 3.0 and 30 MHz with ac . cessory crystal. Features include: USB/LSB. CW. AM, RTTY with full RF gain; solld state AVC with fast attack and slow release for SSB, or. fast release for high break-in CW ; solid state audio with 1.8 watts output; selectivity control provides bandwidth choice of $.4,2.4$, and 4.8 kHz . Set has 50 kHz se-lectable-passband filter and accurate S-me. tep. Rear panel jacks for antenna, loudspeaker, external muting and sidetone. Size: $11 \mathrm{~K}_{6} \mathrm{Wx} 6 \%_{2} \mathrm{Hx} 9 \%_{3}{ }^{-1 \mathrm{D}}$. Shpg. wt., 15 lbs . 40 § 6520 wx $\$ 11.50$ Monthly _ Net 229.95 Model $2-\mathrm{CS}$ Matching Speaker for 2-C. 40 I 6529 shipg. wt., 6 lbs... Net 19.95

# hallicraffers - hammariund Amateur Equipment 

## HALLICRAFTERS SX-130 GENERAL COVERAGE RECEIVER



- Covers 533 KHz to 34 MHz
- Product Detector for CW and SSB
- Crystal Filter, Antenna Trimmer, S-Meter and Noise Filter
Separate tuning and bandspread control sections provide the advantages of full standard coverage of foreign and domestic shortwave bands plus finely calibrated electrical bandspread on the $80-10$ meter bands. Tunes the broadcast band: $533-1600 \mathrm{KHz}$ plus three short-wave bands which cover 1700 KHz to 34 MHz . Product detector for CW and SSB. Bandspread tuning is calibrated for $10,15,20,40$, and 80 meter amateur bands. Features crystal filter, S-meter, slide rule bandspread tuning, antenna tuning, sensitivity band selector, crystal phasing and voice filter. For $105 / 125 \mathrm{~V}$., $50 / 60 \mathrm{~Hz} \mathrm{AC}$. Size: $187 / 0 \times 8 \times 93 / 4{ }^{\prime \prime}$. Shpg. Wt., 31 lbs.
40 T $2546 \mathrm{Wx} \$ 10$ Monthly Net 199.95 Model R-50 Matching Speaker. ShDg, wt., 3 Ibs.
40 T 2544 40 T 2544


## 

Net 19.95

## HALLICRAFTER 6 and 2 METER VHF TRANSCEIVERS

# Model SR-46A <br> 6 Meter Transceiver <br> $199^{95}$ <br> No Money Down 

| Model SR-42A |
| :---: |
| 2 Meter Transceiver |
| No Money Down |

MOOEL SR-46A 6 METER TRANSCEIVER, compact with built-in suppiy for 117 VAC and 12 VOC. This transcelver can $g o$ anywhere for mobile communications or function as a fixed station. Recelver has dual conversion. crystal controlled 2nd oscillator for increased se. lectivity and nuyistor tube for greater sensitivity. Automatic noise limiter in constant operation. Provision for 4 crystals or may be operated with an external VFO. Jack for push-to-talk mike, handy frequency spot switch. Built-in squelch, $51 / 2 \times 12^{1 / 8} \times 81 / a^{\prime \prime} \mathrm{D}$. Shpg. wt. 17 lbs.
40 T 2526 WX $\$ 10$ Monthly ___ Nét 199.95 MODEL SR-42A 2 METER TRANSCEIVER. Same as above except for the 2. Meter band. Shog, wt. 17 lbs,
"40 72527 WX $\$ 11$ Monthly
Net 219.95
MOOEL HA-26. Deluxe 2 and 6 meter VFO for Model SR 46, SR 46A, SR 42 end SR 42A. One tube tickler coll type ascillator. Zener regutated. $51 / 4 \times 53 / 3 \times 52 / 2^{\prime 2} 0$. Shpg. wt., 4 lbs.
40 T $2557 \$ 5$ Monthly
Net 59.95

## DELUXE HAMMARLUND AMATEUR RECEIVERS

 TRIPLE CONVERSION RECEIVER


- General Coverage 540.30 MHz
- SSB, AM, CW Reception
- Built-in 24 Hour Clock Timer

Triple conversion, general coverage receiver for SSB, AM, and CW reception. Calibrated bandspread on the $80,40,20,15$ and 10 meter a mateur bands plus a $\pm 3 \mathrm{KHz}$ vernier. Full dial coverage from 540 KHz to 30 MHz . Slot filter, selectable sideband, tuned I.F; and separate linear detector. Sensitivity: 7 $\mu v$ on SSB/CW for $10: 1$ SN ratio. Built-in 100 KHz crystal calibrator. Fast attack and adjustable decay AVC. Adjustable selectivity ( 1.2 .3 KHz on upper and lower sidebands). Adjustable series-type noise limiter for positive and negative clipping, Built-in 24 hour clock time. 17 tubes and silicon diode power supply. For $115 / 230 \mathrm{~V}, 50 / 60 \mathrm{~Hz} \mathrm{AC}$. Size: $19 \times 101 / 2 \times 13^{\circ \prime}$. Shpg. wt., 45 lbs.
40 † $2814 \mathrm{WX} \$ 24$ Monthly $\qquad$ Net 494.95
Matching Speakers for Hammarlund Receivers Model S100 Speaker for HQ-110AC.
40 T 2829 Shpg. wt., 10 tbs. Net 19.95 Model $\$ 200$ Speaker for HQ-180AC 40 T 2030 Shpg. wt., 10 lbs . Net 24.95 Model \$215 Speaker for HQ-215
_ Net 24.95


MODEL HQ-11OAC dOUBLE CONVERSION RECEIVER $274^{95}$ No Money Down
-SSB/CW and AM

- 160 to 6 Meters
- Built-in 24 Hour Clock Timer.
- Built-in 100 KC Crystal Calibrator

Full dial coverage of $6,10,15,20,40,80$, and 160 meter bands. Expanded dial with $144-148 \mathrm{MHz}$ calibrations for use with 2 -meter converters. Accessory socket for preamps or converters and separate 6 meter coax input for rapid shift from VHF to HF operation, AVC operates on RF and IF, a multipller contin. vously variable from 100 Hz to 3 KHz Separate stabilized BFO and linear detector, for SSB and CW reception. Calibrated "S" meter. Adjustable series type noise limiter. Built-in 100 KC crystal calibrator. Bullt-in 24 hour clock timer. For $105-125 \mathrm{~Hz}$. AC $161 / 4 \times 9 \%$ H $\times 94 / 8{ }^{\circ} \mathrm{O}$. Shpg. Wt., 29 ibs.
$40 \mathrm{~T} 2818 \mathrm{Wx} \$ 13.50$ Monthly 40 F2818wx $\$ 13.50$ Monthly ......et 274.95 HQ-110AC/VHF RECEIVER
Same deluxe features as HQ-110AC except includes complete coverage of 160 to 2 meters. No add-on converters required. Shipg. wt. 48 lbs.
mi. f 2e20wx $\$ 19$ Monthly ___ Net 359.95


NEW MODEL HQ-215 SOLID STATE
AMATEUR BAND RECEIVER
$529 \mathbf{5 0}^{50}$ No Money Down

## - 80 thru 10 Meters

- Selectable USB, LSB, CW, or AM
- Selectable Filters

Fully transistorized receiver offering an extremely high sensitlvity, selectivity, and virtually drift-free operation. Revolutionary unitized I-Beam construction coupled with modularized design provides an unusually high degree of electrical stability. Unioue carousel dial has 22" of calibrations. Other features Include selectable AGC time constants, frequency stability of less than 100 Hz per hour, variable BFO, self-adjusting series noise limiter, transcelve operating provisions, rejection tuning, and fully fused and reversal diode protected circultry. 26. transistors, 13 -diodes, and 2-zener diodes. Frequency Coverage: $80-15$ meters: $28.5-28.7$ MHz plus provisions for 13 optional 200 KHz segments from 3.4 to 30.2 MHz . Sensitivity: Better than 0.5 microvolts for 10 OB signal to noise ratio. Frequency Readout: $\pm 200$ Hz . Selectable Filters: 2.1 KHz provided, plug. in space for two optional filters. Power Requirements: $117 / 234$ volts $50 / 60 \mathrm{~Hz}$ or 12 to 15 volts $O C$ negative ground only. Size: $6.8 \mathrm{H} \times 15.8 \mathrm{Wr} 14^{\mathrm{m}} \mathrm{D}$. Shpg. wt., 21 lbs . 40 T 2890 WX $\$ 29$ Monthly Net 529.50

## R.L. Drake, Hallicrafters and Ameco SWL Receivers

## NEW DRAKE SW4A DUAL CONVERSION

 DNLY$289^{\circ 0}$
No Money Down

- Crystal Lattice Filter for Adjacent Station Rejection
- Crystal Controlled HF Oscillator
- Ultra Precision Tuning Dial Accuracy

Improved version of Model SW-4. Supert AM reception of internatlonal shortwave Broadcasts. Coverage of frequencies: $6,0-5.5 \mathbf{M H z}$, 9.5-10.0 MHz , 11.5 -12.0 $\mathrm{MHz}^{2}, 15.0-15.5 \mathrm{MHz}, 17.5-18.0 \mathrm{M} 12$, 21.522.0 MHz, and $25.5-26.0 \mathrm{MHz}$ with crystals supplied. Three accessory crystal sockets are provided for coverage of any three additional 500 KHz ranges between 1.5 and 30 MHz , except $5.0-6.0 \mathrm{MHz}$. Precision tuning with excellent stablity crystal lattice filter, push pull output, S-Meter for signal strength indication. Preselector gives superb sensitivity by peaking antenna and RF stages. Amplified AVC. Impedance: 4 ohms. $120 / 140 \mathrm{VAC}, 50 / 60 \mathrm{~Hz} .51 / 2 \mathrm{H} \times 103 / 4 \mathrm{~W} \times 113 / \mathrm{DD}$. Shpg. wt., 18 lbs.
40 I 6533 WX $\$ 19$ Monthly
40 T 6504 MS Matching Speaker for SW-4, $51 / 2 \mathrm{lbs}$.
Net 289.00

HALLICRAFTERS MODEL S-214 SOLID-STATE 6-BAND FM/AM "Spread" SWL RECEIVER

Only


No Money Down
Tunes four Internatlonal Broadcast bands: 5.9.6.25 MHz (45 Meters); 9.49 .8 MHz ( 31 meters); 11.5-12.0 MHz ( $\mathbf{2 5}$ meters); and 15.05-15.55 MHz ( 19 meters), plus the AM and FM standard broadcast bands. AFC assures drift-free FM reception. Illuminated slide-rule dial s marked with major international stations; 3-built-in antennas for AM, FM, CW. $4^{\prime \prime}$ speaker. For $110-120 \mathrm{~V}$., $50 / 60 \mathrm{~Hz} \mathrm{AC} ,57 / \mathrm{Cl}_{\mathrm{x}} \times 132 / 6 \times 8{ }^{\prime \prime} \mathrm{D}$. 40 T 2560 wx Model $\$-214$ Receiver. Shpg. wt., 11 lbs........ Net 89.95

## AMECO MODEL R-5 5-BAND SOLID-STATE GENERAL COVERAGE RECEIVER



No Money Down

- For Amateur, SWL, Police and Fire
- Continuous Coverage $-540 \mathrm{KHz}-54 \mathrm{MHz}$
- Bandspread Tuning-Noise Limiter

Fine receiver for the short wave listener and the ham. General cover. age in five bands-all amateur bands from 160 thru 6. meters, 27 $\mathrm{MHz}_{2} \mathrm{CB}$ channels, and 2 -way radio frequencies from $30-5$ ' $\mathbf{M H z}$. Fully transistorized-no warm up necessary with bullt in pewer supply. Features 2 If stages for sensitivity, $6^{\prime \prime}$ sliderule dia, electrical bandspread, nolse limiter, BFO for CW reception, headphone jack for private listening. Complete with 2 tone grey melal cabiret. Slize $12^{*}$ $\times 6^{\prime \prime} \times 9^{\prime \prime} .115$ VAC. Shpg. wt., 12 lbs.
40 T 1045 W R- 5 Kit $\$ 5$ Monthly $\qquad$ Net 69.95 40 T 1046 WX R-5 Wired $\$ 5$ Monthly Net 89.95


Direct Frequency Dialing

HALLICRAFTERS DELUXE MODEL S-240 SOLID-STATE GENERAL COVERAGE


No Money Down Deluxe Model S-240 General Coverage SWL Receiver tunes the standard AM and FM broadcast bands plus three shortwave bands which cover $2.5 \mathrm{MHz}, 4.8-11.5 \mathrm{MHz}$, and $11-30 \mathrm{MHz}$. Illuminated slide. rule dial scale and tuning meter; variable tone control; automatic gain contral; fine tuning; and FM-AFC, CW-BFO controls. Built-in friple antenna system and $4^{\circ}$ speaker. Audio output: over 1.0 watt. For 117 V ., 60 Hz AC. Dimensions $57 / 8 \times 137 / 8 \times 8$ " . Shpg. wt., 11 lbs . 40 T 2562 WX Model S-240 Receiver. $\$ 6$ Monthly ___ Net 109.95

## NEW AMECO SWL-4 SOLID-STATE 4-BAND SHORTWAVE RECEIVER



DNLY $80^{95}$

No Money Down

Fully solid-state shortwave receiver enables you to hear news broadcasts from Africa to Asia, hundreds of foreign language stations, ships at sea, Voice of America, Bureau of Standards Tlmes signals and more plus the full standard broadcast band. Features continuous Coverage of .5 MHz to 23 MHz on four bands. AC transformer, zener diode regulated circuitry gives instant operation without warmup. Beautlfully styled in an all-metal walnut finished cabinet, the unit has a buift-in speaker, llfuminated dial panel, and earphone jack for private listening. Smartly designed control panel combines functional "easy-tune" placement with pleasing looks. For 117 Volts, 60 Hz. Size: $12^{\prime \prime} \times 9^{\prime \prime \prime}$, Shpg. wt.. 11 lbs. 40 T 1050 w Fully Wired $\$ 5$ Monthly Net 69.95

## Swan and Ameco Amateur Equipment

NEW SWAN 350C 5-BAND SSB TRANSCEIVER


## Only <br> $420^{00}$

- 5-Bands: $3.5-4.0 \mathrm{MHz}$. 7.0-7.5 MHz ; $13.85-14.35 \mathrm{MHz}$., $21.0-$ 21.5 MHz ., $28.0-29.7 \mathrm{MHz}$.
- 520 Watts SSB Input, 360 Watts

No Money Down CW Input, 125 Watts AM Input.

New improved version of the popular Model 350 with increased power rating for better fixed, portable, or mobile operations. 520 watts PEP on the popular ham bands: $3.5-4.0 \mathrm{MHz}, 7.0-7.5 \mathrm{MHz}$, $13.85 \cdot 14.35 \mathrm{MHz}, 21.0-21.5 \mathrm{MHz}$, and $28.0-29.7 \mathrm{MHz}$. Upper sideband on 20-15-10 meters and lower sideband on 80 and 40 meters. Com. plete with solid state VFO stabilized for temperature and voltage change. Features precision dual ratio tuning, crystal lattice filter, ALC, AGC, and S-meter. Fine voice quality with PTT operation and provisions for plug in vox. Suppression: carrier- 60 db , unwanted sideband- 50 db . Mike jack conveniently located on front panel with easy to read calibrated dial. Full 520 watt input SSB, 360 watts input CW. and 125 watt input AM. May be used with Swan VK-1 plug in vox. Dimensions: $51 / 2 \mathrm{H} \times 13 \mathrm{~W} \times 11^{\prime \prime} \mathrm{D}$.
40 I 7015wx $\$ 22$ Monthly. .Shpg. wt., 18 lbs.
Net $\mathbf{4 2 0 . 0 0}$

## DELUXE SWAN MODEL 250 6 METER SSB TRANSCEIVER

 CW Input, 75 Watts AM Input

## No Money Down

- 2.8 KHz Bandwidth with Crystal

Deluxe 6 Meter SS8 transcelver with complete band coverage 50. 54 MHz . Smooth vernier tuning covers 500 KHz , calibrated in 5 KHz Increments. Transmits and receives on upper sideband. Excellent voice quality and talk power. Two 61468 tubes in power amplifier. 2.8 KHz bandwidth with crystal fitter at 10.7 MHz . Single conversion design for minimum image, optlmum tuning. Audio flat from 300 to 3100 Hertz. 40 db sideband suppression, 50 db carrler suppression. Receiver noise less than 3 db . 6HA5 triode R.F. amp., 6HA5 triode mixer. Pi-output coupling for matching wide range of load impedances. Meter indicates relative output for optimum tuning and loading. Provision for adding plug.in Vox or calibrator. Handsome styling. 51/2Hx13Wx11"O. Shpg. wt., 18 lbs.
40 t 701Iwx $\$ 17$ Monthly
Net 325.00

## AMECO MODEL AC-IT AMATEUR TRANSMITTER KIT



95 .
Ideal for Novice - Self Contained

The ideal unit for beginner or novice. Contains transformer pow ered AC power supply. Uses a PInetwork output. Has full 15 -watt input on 40 and 80 meters. Easy to build and operate. Complete with punched chassis, all parts, tubes (6V6 and 6X5) and instructions. Shpg. wt., 8 lbs. Complete with 1 coll kit.
40 T 1009 Transmitter KIt
Net 21.95
40 † 1010 CK1 extra coll kit

NEW DELUXE SWAN 500C 5-BAND SSB TRANSCEIVER


## Only

## $520^{00}$

No Money Down

- 520 Watts SSB Input
- 360 Watts CW Input
- 125 Watts AM Input
- Crystal Lattice Filter

Deluxe 5-band SSB transceiver for fixed, mobile, or portable operation. Using a pair of 6LQ6 tetrodes the final amplifier operates with increased efficiency and power output on all bands. The 500 C is conservatively rated at 520 watts P.E.P. on sideband; 360 watts CW input and 125 watts AM. Full 5 band frequency coverage: $3.5-4.0$ $\mathrm{MHz}, 7.0 .7 .5 \mathrm{MHz}, 13.85-14.35 \mathrm{MHz}, 21-21.5 \mathrm{MHz}, 28-29.7 \mathrm{MHz}$. Features: Selectable upper and lower sideband, 100 KHz crystal calibrator, automatic noise limiter. Increased VFO stability, crystal lattice filter, advanced product detector circuit plus new AGC sys. tem, provision for intermal speaker. Sensitivity is better than . $5 \mu \mathrm{v}$. The preciston tuning mechanism is very smooth and provides easy tuning. Rejection better than 100 db . Built-in accessory socket for external VFO. $16 \times 151 / 4 \times 81 / 4^{\prime \prime}$. Shpg. wt., 22 Ibs.
40 T 7014Wx $\$ 24$ Monthly
Net 520.00

## ACCESSORIES FOR SWAN TRANSCEIVERS

40 I $7009 w x 177 \mathrm{Kc}$ AC Power Supply and Speaker, 11 lbs. Net 105.00 40 T 7006WX 14.117 12VDC Power Supply, Wt., 8 lbs.. Net 130.00 40 T 7007 Vx. 11 Plug-in Vox Adapter, Shpg, wt., 5 lbs. Net 35.00 NEW MODEL TV-2 SSB TRANSVERTER. A receiving and transmitting converter for the 2 -meter band. Designed to operate with Swan Transceiver Models $350 \mathrm{C}, 400,500$. and 500 C . For 144 to 148 MHz , 240 Watt PEP Input. Size: $13 \mathrm{~W} \times 5 \frac{1}{2} \mathrm{H} \times 11^{\circ} \mathrm{D}$. Shpg. wt., 13 lbs . 40 I 7016 wx \$13.50 Monthly

Net 265.00
AMECO MODEL TX-62
2 AND 6 METER TRANSMITTER $159^{95}$


- Frequency Coverage : $50-54 \mathrm{MHz}$. and $144-148 \mathrm{MHz}$.
- Power Input:

75 Watts.AM,
75 Watts peak on Phone

- Meter Reads Final Cathode Current, Final Grid Current and RF Output
- Built-in Solid State Power Supply

A complete 75 watt phone and CW Transmitter with a built-in power supply and modulator. Only the final has to be tuned when you QSY. Crystal controlled or can be used with a VFO. Crystals used are the 8 MH2. type. Power input to the final Is 75 watts on CW and 75 watts peak on AM phone. Tube lineup: 6GK6-osc, tripler; 6GK6 doubler, 7688 tripler (on 2 meters); 7984 final: 12AX7 and 6GK6 modulator. Size: $111 / 2 \times 91 / 2 \times 6^{\prime \prime}$. Shpg. wt., 36 lbs.
40 T 1035wx $\$ 8$ Monthly
Net 159.95

## AMECO MODEL 621 VFO



## Only <br> 

Versatile VFO for operation on 50, 144 ann 220 MHz . Can be used with the AMECO TX. 62 or with any transmitter using 8 MC crystais. High stability. No chirp with keying. Warmup time is very short as both oscillators use transistors. Size: $6 \times 5 \times 71 / 2^{\prime \prime}$. Shpg. wt., 6 lbs. 40 T $1044 \$ 5$ Monthly

# Ameco And Drake Converters-Preamplifiers 



## MODEL CB- 6 METER BROADBAND CONVERTER

Now you can convert any receiver to cover the 6 meter bans. Crystal controlled. Utilizes a 6U8A mixer-oscillator, a 6ES8 cascode RF amplifier and specially designed transformers. High sensitivity. Noise figure-better than 4 db . If rejection-over 100 dts . Housed In 2 piece satin finished copper chassis. WILL NOT BECOME OBSOLETE, since the if output can be easily changed to match any recelver. Size: $4 \times 21 / 2 \times 5^{\circ}$. Comes less power supply. Complete with tubes, crystal for $14-18 \mathrm{MHz}$ If output and instructions. Shpg. wt. 1 lb .
40 个 1027 CB-6K Kit
Net 19.95
40 T 1028 CB-6W above, wired
Yet $\mathbf{2 9 . 9 5}$

## AMECO CB-2 2-METER BROADBAND CONVERTER

Similar to CB-6K except for 2 meter band. Utilizes 3 tubes for optimum performance. 6ES8 high gain, low noise, cascode first RF amplifier; 6U8A second RF amplifier and MIXER, and 6J6 escllator/ multiplier. Crystal controlled for stable performance. Over 30 db gain. Comes less power supply but with tubes, crystal $14-18 \mathrm{MHz}$ output, and instructions. Slze: $4 \times 21 / 2 \times 5^{\prime \prime}$. Shpg. wt., 1 ib .
40 T 1031 CB-2K Klt
40 T 1032 CB-2W Wired and Tested
Net 23.95

AMECO MOBILE AMATEUR AND VHF CONVERTERS


CHT


- For Ham, Citizens Band, Police, Fire, Marine, Aviation, Business Bands, etc. From 2 MHz to 175 MHz . Works into Broadcast receivers.


## model clb low-band converter

A crystal controlled converter that can cover any specifled frequency or band from 2 to 54 MHz . Unit uses a 6EK6 rf amp. and a 12AD6 mixer/osc. $1 / 4 \mu v$ sensitivity. Uses the car's 12 volt battery supply. All you have to do is plug the antenna into converter. SIze: $31 / 2 \mathrm{H} \times 21 / 2 \mathrm{~W} \times 31 / 2^{\prime \prime} \mathrm{D}$. Shpg. wt., $11 / 2 \mathrm{lbs}$.
40 T 1013 Model CLB for 6 Meters
Net 25.95
40 T 1014 Model CLB for Citizens Band
Net 25.95 Model CLB for any other frequency from 2 to 54 MHz . Specify fre. quency.
40 T 1015Y*
Net 27.95

## MODEL CHT HIGH BAND TRANSISTORIZED CONVERTER

Model CHT will convert any single frequency or band of frequencies between 108 and 175 MHz down to the broadcast band. Uses 3 high quality transistors and a diode and has a 0.2 microvolt sensitivity. Can be operated from the car's battery or from an intemal battery. Model CHT can be used for fixed or mobile operation and works Into any broadcast band radio including pocket transistor sets. Size: $21 / 2 \mathrm{Hx} 2 \mathrm{~F} / \mathrm{W} \times 62 / 2^{\prime \prime} \mathrm{D}$. Shpg. wt. 2 bs.
40 T 1016 Model CHT for 2 meter Ham Band .................Net 35.95 Model CHT for any other frequency from 108 to 175 MHz . Specify frequency.
40 T 1017Y*
MCC Moblle converter cable for Ameco Moblle Converter 40 T 1049

Net 37.95
Net .90

- On special order and subject to 3 weeks delivery.


## AMECO PS-1 POWER SUPPLY

May be used to power all AMECO converters
Housed in an attractive 2-piece Satin copper chassis that matches all the Ameco converters. Supplies 125 volts DC at 50 ma and 6.3 volts AC at 2A. May be used to power all Ameco converters and other accessories around the ham shack. Shpg. wt., 6 Jbs.
40 T 1008 Wired


Do One-Stop Shopping At Lafayette For Han Cear

## R. L. DRAKE FET CONVERTERS For 2 and 6 METERS

## sc. $64^{50}$ <br> sc. $29^{00}$



Features low nolse, improved cross modulation and overload per formance, uniform gain across band, all solid-state circuitry, zener regulated crystal oscillator, improved image rejection and low spurlous response.
Model SC-6 6-Meter Converter. Frequency Range: $49.5-53.5 \mathrm{MHz}$ down approx. 3 db at 54 MHz ; If Range: $13.5-17.5 \mathrm{MHz}$; Supplied with 36.0 and 36.5 MHz crystals; Power: Requires 15.18 VDC at 40 ma; Input and Output Impedance: 50 ohms: Gain: nominally 13 db . Two TIM12 FET's. Slze: $6 \frac{1}{6} \times 4 K_{1} \times 21 / 2^{\prime \prime}$. Shpg. wt., $11 / 2$ lbs.
40 T $6534 \$ 5$ Monthly
Net 84.50
Model SC.2 2-Meter Converter. Frequency Response: $144-148 \mathbf{M H z}$ IF Range: $14-18 \mathrm{MHz}_{\text {; }}$ Supplied with 43.333 and 43.666 MHz Crystals; Power: Requires 15.18 VDC at 40 ma ; Input and Qutput Impedance: 50 ohms; Gain: Nominally 20 db . Two TIS34 FET's. Size: $636 \times 4 \mathrm{Kox}$ $21 / 2^{\prime \prime}$ Shpg. wt., $11 / 2$ lbs.
40 T 6535 \$5 Monthly
Net 69.00
Model CPS-1 Solid State Power Supply. For use with SC- 6 and SC- 2 converters. Silicon diode bridge circuit. Output: 15 VDC at 100 ma . Size: $31 / 4 \times 4 \mathrm{~K}_{2} \times 2 \mathrm{~K}_{4}$ ". Snpg. wt., 1 ib .
40 T 6536
Net 17.95

## AMECO PV NUVISTOR VHF PREAMPLIFIERS

Designed for elther 50,144 or 220 MHz , a Moael PV Nuvistor preamplitier can be used ahead of a receiver or converter to improve the gain and noise tigure considerably. Unit employs a completely neutralized 6 CW 4 Nuvistor, tor a gain of over 20 db and a noise figure of 2.5 db at $50 \mathrm{MHz}, 3.0 \mathrm{db}$ at 144 MHz , and 4.0 db at 220 MHz . Completely wired and tested, requires 100.150 VDC at 8 ma and 6.3 voits at .13 amps, $A C$ or DC. Only $21 / 2 \times 31 / 2 \times 7^{\prime \prime}$. Shpg. wt., 2 lbs.
40 T 1019 PV. 50 , for 50 MHz


40 T 1020 PV-144, for $144 \mathrm{MHZ}^{2}$
Net 13.95 40 T 1021 PV.220, for 220 MHz Net 13.95 42 T 6901 PV-27, for 27 MHz

Net 15.95

## AMECD PCL ALL BAND NUVISTOR <br> PRE-AMP (6.160 METERS) FOR RECEIVERS

## - Continuous Tuning

Model PCL improves re. ceiver reception. Covers 6 through 160 meter amateur bands contin. amateur, bands contin.
uously. Uses 26054 Nuvistors in a cascode
circuit for greater reAs Low As
 celver gain and extremely low noise flgure of 1.8 to 3.5 db . Also improves Image and spurious rejection. Controls: 4 -position range switch ( 1.8 to 54 MHz ); Antenna Tuning Control, and 3 posiltion switch for on off and standby. Power may be taken from recelver. Size: $5 \mathrm{~W} \times 3 \mathrm{H} \times 3$ ㅁ. . 40 T 1018 Shpg. wt., 2 lbs. Net 26.95 MODEL PCL.P-Identical in all respects to Model PCL except that it contains a built-in power supply. Size: $51 / 2 \times 33 / 4 \times 3^{\prime \prime}$. 40 T 1036 Shpg. wt., 4 lbs. Net 33.95

## AMECO MODEL PT ALL BAND <br> FRAME GRID TRANSCEIVER PRE-AMP

- Continuous 6-160 Meters Tuning
- Built-in Power Supply

Similar to Model PCL-P, above, but specifically designed for use with amateur transceivers. Covers 6 through 160 meter amateur bands continuously. Improves sensitivity and signal-to-nolse ratio whlle recelving_ $51 / 2 \times 33 / 4 \times 3$-D. Complete with interconnecting cables. Shpg. wt. 4 lbs.
40 T $1048 \$ 5$ Monthly .... Net 49.95


# Add These Deluxe Accessories To Your Station 

## LAFAYETTE SWR AND

 FIELD STRENGTH METER

ONLY
$9^{95}$

- Measures SWR, Relative Forward And Reflected Power to 1 KW - Reads Field Strength

A handy 2. in -1 meter for use in the amateur radio station to check transmitters for SWR measurements. Can be left continuously in the circuit for monitoring transmitter outputs. SWR: $1: 1$ to 3.1 ; ACcuracy $\pm 5 \mathrm{db}, 2$ to 30 MHz ; Impedance: 52 Ohms: Antenna: 5 -section, collapsible. Comparative RF fleld strenkths ran be easily determined with this fine meter. Sensitive 100 micro-ammeter movement with easy to read 2 -color dial. Impedance matches 52 0 hm coaxial lines. Attractive rev hammertone aluminum case. size: $13 / 1, W \times 5 K_{0} H \mathrm{HX}$ $244^{" 0} \mathrm{D}$. Imported. ShDg. wt., 1 ib. 99 T 2537
DOW KEY DK-60 SERIES COAXIAL RELAYS

## $20^{80}$

Heavy-duty SPDT coaxial relays rated 1 KW . Impedance. 50 ohms. Life, over $1,000,000$ operations. VSWR, less than 1.15:1 from 0 to 500 MHz . Features patented automatic recelver-protecting connector for positive isolation of RF from receiver: Greater than 100 db isolation befween recelver and trans. mitter lines from 0 to 500 MHz / With UHF coaxial connectors. Slize: $27 / 4 \times 33 / 4 \times 11 / \mathbf{" 月}^{\prime \prime}$. Shpg. wt., 9 oz.
Stock No. Type Coil Volts Net Ea,
40 T5201 DK.60-G2C $115 \mathrm{VAC} \quad 20.80$ 40 T 5202 DK-60-G2C 12V DC 21.80

$$
\begin{aligned}
& \text { AMATEUR } \\
& \text { HEADPHONE }
\end{aligned}
$$

$$
24^{\text {Only }}
$$

Made specially for the Ham and short wave listener. Comfortable, removable and re. placeable vinyl foam ear cushions make long hours at the rig a pleasure. Dual impedance. 600 and $4-16$ ohms, can be changed at plug. 40 T 8501 Shpg. vit., $21 / 2$ lbs.

NEW R. L. DRAKE W-4 RF WATTMETER


Only
$49^{50}$

No Money Down

Reads forward and reflected power directly in watts (VSWR from nomogram). Two scales in each direction. 200 and 2000 watts full scale. Calibration accuracy: $\pm$ ( $5 \%$ of read. ing +2 watts) on 200 watt scale; $\pm 15 \%$ of reading +20 watts) on 2000 -wott scale. Size: $51 / 2 \mathrm{H} \times 33 / \mathrm{W}_{4} 4^{\circ} .0$ Shpg. wt., 4 lds . 40 T $6537 \$ 5$ Monthly

Net 49.50
EICO 710 GRID DIP METER

## NEW!

$34^{\text {kit }} 95$
Wired $59^{95}$
No Money Oown


Extremely stable grid dip meter with a frequency range of 400 kHz to 250 MHz . Covers AM and FM broadcast bands, low and high band moblle radios, CB, and all ham bands through VHF. Use to tune transmitters, trim antennas to proper length, locate parasitic oscillations, measure circuit resonance, determine capacitance, " $Q$ " values, and inductance. In addition, can also be used as a transmitter monitor and a wave. meter. Uses eight precision. plug-in coils, $0-500 \mu$ meter, and a rotating drum scale. Operates on $115 \mathrm{VAC}, 60 \mathrm{~Hz}$. Size: $21 / 4 \times 2 \% \mathrm{x}$ $6 \%{ }^{\prime \prime}$. Shpg. wt., 3 lbs .
Model 710 KIt
40 T $7425 \$ 5$ Monthly 34.95 Model 710 Factory wired and tested. 40 T 7426 \$5 Monthly............ 59.95

## NEW DRAKE SCC-1 CRYSTAL CALIBRATOR

## $24^{50}$

Crystal controlled 100 KHz FET oscillator Uses two integrated circuits to produce 50 kHz calibration points. Requires no tuning, band switching, or plug-in coils. Maximum stabillty attained through the use of zener regulation. Has provision for both local and remote on/off switch. 50 kHz to 432 MHz frequency range. Requires 15 to 18 VDC, 40 ma, Reverse polarity protection. Size: $33 / 8 \mathrm{x}$ 4K。 $\times 21 / 3^{\prime \prime}$.
40 T 6538 Shpg. wt., 1 lb.


## E. F. JOHNSON PHONE PATCH

## $25^{\circ 0}$

A compact automatic hybridtransformer type patch which accepts PTT, manual, or VOX keying. Separate receiver and transmitter input gain controls provide flexible operation without over drive. Effectively shieided and RF by-passed to virtually eliminate RF feedback into the phone line. Switches audio from speaker to telephone headset for undistorted, hum-free response. Adiustable "line null" control. Size: 2 " $W x$ $6^{\prime \prime} \times 22_{2}^{\prime \prime}$ D. Shpg. wt., 3 lbs.
40 T 4623 Model 250-46 Patch
Net 25.00

## B \& W 6 METER FILTERS



MOOEL 423 designed to reduce TVI. Spurious harmonics above 62 MHz attenuated at least 50 db . Uses 2 SO 239 connectors. Frea. range: $30-54 \mathrm{MHz}$; Power rating: 100 watts max.: Impedance 52 ohms (reversible). Size: $5 \times 2 \times 1 \frac{1}{4 \prime \prime}$. Shpg. wt., 1.5 lbs.
40 T 1627 B\&W 423
Net 15.95
B\&W 427. 6 meter low pass filter designed for freq. range of 30.54 MHz . Power rating: 1 KW max. 2 S0-239 connectors. 52 ohm impedance. $11 \times 3 \times 2$. Shpg. wt., $21 / 2$ tbs. 40 T 1607 B\& $427 \$ 5$ Monthly Net 23.90

## AMECO "SWB" STANDING WAVE BRIDGE



Inductlve bridge that is continually left in the line. Reads SWR's from 1.8 kHz to 225 MHz . Handies 1000 W . Has negligible insertion loss. Contains two $\mathbf{\$ 0 - 2 3 9}$ UHF connectors. Size $21 / a \times 1 \% \times 41 / 2$ ".
40 T 1041 Shpg. wt., 2 lbs.
Net 9.95

## AMECO "BIU" BRIDGE INDICATOR UNIT



A sensitive 100 microamp 21/s" square D'Ar. sonval Meter that reads in SWR, percentage power and percentage voltage (three scales). Switching provides for reading of any one of two bridges. Size: $23 / 4 \times 5 W \times 3^{\circ 0} 0$. Shpg. Wt., 2 lbs .
40 T 1042
Net 15.95

# Improve Your Amateur Station Performance 

(A) B2W 550A Coaxial Antenna Switch-Instantly selects any one of five transmitters, antennas, exciters, receivers or transceivers using 52 of 75 ohm line, 2P- 5 Pos, Rated 1 KW . Shpg. wt., 2 bs,
40 T 1602
40 T $1603-\mathrm{Knob}$ for 550A wt., 202.
40 T 1604-Dial plate for 550A wt., 2 oz. Net 11.15
B) Bew 425 Low Pass Fller -usab昰 pletely self contained-eliminates TVI. 85 db attenuation. For 52 hm coax. Shpg. wt., 6 lbs.
40 T 1608
Net 19.20
40 T 1609 - as above but for 75 ohm coax.
Net 19.20
(C) Drake TV-1000LP Low Pass Filter-handies 1 KW 10 to 160 meters. 200 watts on 6 meters. Shpg. wt., 2 lbs.
40 T 6514
Net 16.95
40 T 6513 -Drake TV100LP. handes $100 \mathrm{w}, 80-10 \mathrm{M}_{8} 20 \mathrm{w}-6 \mathrm{M}$ Net 5.95 (0) Ameco HP-45-High Pass Filter-for attenuation of 40 db at 14 MHz and 20 db at $28 \mathrm{MHz}, 300$ ohms. Shpg. wt., 3 oz.
40 T 1005
Net .95
(E) Johnson 250-23.3 "Matchbox" Antenna Coupler-For 80, 40, 20 , 15 and 10 meters. Matches balanced lines 25 to 1500 ohms and un. balanced lines 25 to 3000 . Reads SWR. TR relay 750 w PEP with direc tional coupler. Shpg. wt., 11 lbs.
40 T 4608 - $\$ 5$ monthly
Net 94.95
(F) Johnson 250-39 TR Switch-Provides instantaneous high efficiency electronic antenna switching. Rated at 4KW. Instant break.in on SSB, DSB. CW, and AM. Shog, wt., 5 lbs.
40 T 4618
Net 29.95
(G) WZAU BROAD BAND BALUNS A transmitting and receiving balun with built in lightning afrester. Properly balances all coax fed antenna systems. Handes IKW AM/CW, 2KW PEP. Completely weather. proof. withstands 650 lbs. of antenna tension.
BALUN $11: 1$ model matches 50 or 75 ohm unbalanced to 50 or 75 ohm balanced load. Shpg. wt., $61 / 2$ oz.

## 40 T 4702

BALUN 11 - $4: 1$ model matches 50 or 75 ohm unbalanced coax line to 200 or 300 ohm balanced load. Shipg. wt., $61 / 202$. 40 T 4703

Net 12.95 (H) HY-GAIN "ON THE AIR" SIGN-Dramatic red on black "On The Air" indicator face mounted in gray high impact plastic case. Mounts atop gear on wall brackets. Internally illuminated, Bulb and 6 ft . cord included. Attaches to antenna change-over relay or transmitter control relay. Size: $4 \times 8$ in, oval.
40 T 3116 -Shpg. wt., 1 ib.

## AMATEUR AND SPECIAL

Net 8.95

PURPOSE CRYSTALS


As Low As

AX-2.

## AMATEUR CRYSTALS

Most popular with hams. Acidetched ouartz. Staintess steel electrodes. Pin size: . $093^{\circ}$ spaced $.486^{\prime \prime}$. Tolerance $\pm 500$ hertz at designated frequency except 14.14 .5 MHz $\pm 10 \mathrm{KHz}$. Will supply within 5 KHz . (except* within 30 KHz ) Specify frequency desired when ordering. Av. shpg. wt., 2 oz . (ALLOW 3 WEEKS FOR DELIVERY.)
40 T $5401 \mathrm{Y} \quad 3500-4000 \mathrm{KHz}$............Net 2.95 40 T $5402 \mathrm{Y} \quad 7000-7425 \mathrm{KHz}$ Net 2.95 40 T 5403 Y 8.8.2 MHz 8.33-8.9MHz Net 2.95 40 T 5404Y* 14-14.5MHz ................ Net 3.95
Alignment crystal, $5000 \mathrm{KHz} \pm 2 \%$. Pin size .093". spacing .486".
40 T 5405
Net 3.95
SPECIAL APPLICATION CRYSTALS
For Oscillators with low crystal currents.
Type H-173. HC-6/U. Pin. Dia, $050^{\circ}$, Pin Spacing $486^{\circ}$-Specify Frequency. ALLOW 30 DAYS FOR DELIVERY.
$21-40 \mathrm{MHz}$ Supplied with in $\pm .005 \%$.
40 T $2201 Y$
Net 4.95 40.54 MHz supplied within $\pm .005 \%$

40 T 2202 Y
Net 5.95
54.74 MHz Supplled within $\pm .005 \%$.

40 T 2205 Y ............................ Net 6.95
IV and Marker Crystals. Calibrated $\pm .005 \%$. Type $\mathrm{H}-173$ (HC-6U) Pin Dia. . $050^{\circ}$ Spacing $.486^{\prime \prime}$ for 1000 KHz .
40 T 2203L
Net 7.95
Type H17 (HC-6/U) Pin. Dla. .050' Spacing $.486^{\prime \prime}$ for 4.5 MHz .
40 T 2204L
Net 4.95


Highly efficient miniature coils offering extremely low losses and real space-saving economy, Ideal for compact circuits. Air wound, polystyrene insulation. Easily cut to size. All are $2^{\prime \prime \prime}$ long except miniductors with $1^{\prime \prime}$ diameter are $3^{\prime \prime}$ long. Shpg. wi., 6 oz .

| STOCK NO. | TYPE | $\begin{aligned} & \text { TUNM } \\ & \text { PER IM. } \end{aligned}$ | DIA. | NET | $\begin{aligned} & \text { STOCK } \\ & \text { NO. } \end{aligned}$ | TYPE | TURNS PER IN. | 014. | NET |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 40 T 1610 | 3001 | 4 | 4/2" | 50 | 40 T1611 | 3002 | 8 | 1/2" | 55 |
| 40 T 1614 | 3005 | 4 | $5 / 8{ }^{\prime \prime}$ | 50 | 40 T 1615 | 3006 |  | 58\%" | . 55 |
| 40 T 1618 | 3009 | 4 | $3 / 4 "$ | . 60 | 40 T 1619 | 3010 | 8 | 3/" | . 75 |
| 40 T 1622 | 3013 | 4 | $1{ }^{\prime \prime}$ | . 65 | 40 T 1623 | 3014 |  | $1^{\prime \prime}$ | . 75 |
| 40 I 1612 | 3003 | 16 | $1 / 2$ " | . 65 | 40 T 1613 | 3004 | 32 | $42^{\prime \prime}$ | . 70 |
| 40 I 1616 | 3007 | 16 | 5\%" | . 65 | 40 T 1617 | 3008 | 32 | $5 / 8{ }^{\prime \prime}$ | . 70 |
| 40 T 1620 | 3011 | 16 | $3 / 4{ }^{\prime \prime}$ | . 80 | 40 T 1621 | 3012 | 32 | $3 / 4{ }^{\prime \prime}$ | . 95 |
| 40 T 1624 | 3015 | 16 | $1^{\prime \prime}$ | . 85 | 40 T 1625 | 3016 | 32 | 1 " | . 95 |

## CRYSTAL SOCKETS


(A) NATIONAL SOCKETS

These steatite insulated sockets will strongly hold the crystal contacts. Can be used for chassis or for panel mounting. The bushing will project through a pound hole in panel. Av. shpg. wt., 2 oz .

| Stack No. | Type | Pin | Spacing | Each |
| :--- | :---: | :---: | :---: | :---: |
| 40 T 3712 | CS-B | $.125^{\prime \prime}$ | $.759^{\prime \prime}$ | .36 |
| 40 T 3713 | CS.6 | $.095^{\prime \prime}$ | $.486^{\prime \prime}$ | .36 |
| 40 T 3714 | CS.5 | $.125^{\prime \prime}$ | $.500^{\prime \prime}$ | .36 |
| 42 T 0901 | CS.7 | $.050^{\prime \prime}$ | $.486^{\prime \prime}$ | .36 |

## (8) MOSLEY CRYSTAL HOLDER

## ADAPTORS

Mosley 5.75 adapts $1 / 2^{\prime \prime}$ spaced holder to $3 / 4 "$ spacing. Shpg. wt., 2 ozs.

## 40 T 5804

Net .44
Mosley 75.5 adapts $3 / 6^{\prime \prime}$ spaced holder to socket with $1 / 2{ }^{\prime \prime}$ spacing to octal socket. Shps. wt., 2 ors.
40 T 58.05
Net . 44

## RF COAXIAL CONNECTORS



SO-239SH DBLEMALE GL-259PH
Stock No. Type Description Net
42 T 6903 PL-259 Connector 49

42 T 6904 UG-175/U Reducer -Adapts
PL-259 to RG-58/U Diameter.
42 T 6905 PL-258 Junction Adapter
-Accepts PL. 259
on both ends for

|  | on both ends for <br> cable extenslon .49 |
| :--- | :--- |
| 42 T $6906-\quad$UHF Double Male-. <br> Free furning nuts |  |

42 T 6907 SO-239SH Single hole
chasis mount

on - off application without threading.

# Amateur Mobile And Fixed Antennas, Rotors 

## DELUXE LAFAYETTE "RAPID-GRIP" MOBILE ANTENNAS FOR 2 AND 6 METERS

## As Low As <br> $9^{95}$

- "Rapid-Grip" Mount Provides Permanent Antenna Installation In Seconds Without Drilling Holes



## Lafayette "Rapid Mount" <br> 6 Meter Mobile Antenna

Features waterproof base loading phasing transformer, 43" stainiess steel whip with adapter for extra fine tuning, and a cadmium plated trunk-lip "Rapid-Grip" mount with water resistant body seal. Offers ideal omnidirectional signal pattern. Mounts on lip of trunk without drilling holes. Shipg. wt., 2 lbs. Less coaxial cable. 40 T 0109 Net 11.95


## Lafayette "Rapid-Mount"

2 Meter Mobile Antenna
Features rust-resistant cadmium plated "Rapid-Grip" Mount, base, and stainless steel whip approximately 19 inches long. Whip has set-screw for easy field tuning. Mounts on lip of trunk without drilling holes. Offers ideal omnidirectional signal pattern. Complete with 16 ft . of RG 58/U cable and PL-259 plug. Shpg. wt. $14 / 2$ lbs.
40 T 0110
Net 9.95

## LAFAYETTE ALL-BAND VERTICAL TUNEABLE 10 TO 80 METERS ANTENNA <br> Only - 10 To 80 Meters <br> $14^{95}$ <br> For Fixed Operation <br> Omni-Directional, Vertically Polarized

- Irridite Treated To Mil Specs

Our best buy multi-band antenna. Can be tuned to any amateur band 10 through 80 meters by a single adjustment. Has amazing efficiency for $D X$ or local contacts. Ground or roof tod or tower installation. Can survive winds in excess of 50 mph . Overall height $18^{\prime}$; knocks down to only $5^{\prime}$. Uses $342^{\prime \prime}$ diameter air wound coil as matching inductor. All steel parts irridite treated to Mil Specs. Impedance 52 ohms. Maximum dower 1000 watts AM or CW- 2 KW PEP. Omni-directional; vertically polarized. 40 T0104WX Shpg. wt., 5 Ibs. ___ Net 14.95

## DELUXE CORNELL-DUBILIER HEAVY-DUTY ANTENNA ROTORS

## As Low As 895 <br> - Heavy Duty Construction <br> - Indicator Calibrated in Compass Points



MODEL TR-44 ANTENNA ROTOR -For single bay amateur antenna application. Big in performance and durability. Rotator contains 48 heavy duty bearings in two 6y2" ball races, 450 in 1 bs average torque. Indicator is calibrated in compass points and $3^{\circ}$ increments. Double stage switch allows meter reading while motor is off. For mast or pipe to $2 \mathrm{ka}{ }^{" 0} 0 . \mathrm{D}$. For $110-120 \mathrm{~V}$. $50-60$ cycle. Less cable. Shpg. wt. 18 lbs.
40 I 8302 WX $\$ 5$ Monthly Net 69.95
HAM-M ANTENNA ROTOR - World famous extra heavy duty rotator. Meets all amateur radio applications, Supports antennas up to 1000 lbs. Uses same compass indicator unit as the TR-44, calibrated in $3^{\circ}$ increments. Heavy duty stainless steel gears ardd pinions, solenoid brake release. For 110-120VAC, 50-60 cyc. 40 T 8301 WX Shpg. Wt., 27 -lbs. $\$ 6.50$ monthly ._Net 129.95 $100^{\prime}$ roll of 8 conductor rotor cable for TR.44, HAM.M 32 T 1457 $\qquad$ Net 8.55

## NEW-TRONICS "HUSTLER" MOBILE ANTENNAS FOR 10-15-20-40-75 METERS

\author{

- Fold Over Swivel Mast <br> - Power Rating Up To 300 Watts SSB
}


#### Abstract

An outstanding antenna assembly permitting multi-bana mobile operation with exceptional results. Buy only one mast and select the resonators for the bands you operate. No need for matching devices, use any feed line length of 52 -ohm cable. Each of the flve resonators has a coil specially designed for maximum radiation for a particular band. Center frequency tuning is by means of an adjustable stainless steel rod in the resonator assembly. The 54 -inch fold-over, heat treated, $1 / 2^{\prime \prime}$ aluminum mast permits in stantaneous interchange of resonators for the desired band SWR is less than 2 to 1 for any center frequency within each band. Power Rating: AM input 75 watts; SSB input up to 300 watts PEP. Mast has $3 / \mathrm{m}^{\prime \prime}-24$ base stud to fit all standard mounts.


| Stock Ho. | Model No. |  | Description | WL. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 40 T 5501wX | MO-1 | 54" | Mast Fender Mount | 2 los. |  |
| 40 T 5502WX | MO-2 | 54" | Mast Bumper Mount | 2 lbs. | 8.95 |
| 40 T 5503 | RM-10 |  | Meter Resonator | 1002. | 7.50 |
| 40 T 5504 | RM-15 |  | Meter Resonator | 1 lb . | 8.50 |
| 40 T 5505 | RM-20 | 20 M | Meter Resonator | 1 lb | 9.50 |
| 40 T 5506 | RM-40 | 40 M | Meter Resonator | $11 / 2 \mathrm{lbs}$ | 11.50 |
| 40 T 5507 | RM. 75 | 75 M | Meter Resonator | 2 lbs . | 13.50 |



## 2 AND 6 METER MOBILE AND FIXED SQUALO'S

Ideal for "net" control, monitoring, of general ham coverage. The "Squalo" is a Full half-wave, horizontally polarized, omnidirectional antenna. Low a for broad-band coverage and direct 52 ohm "Reddi" Match feed. SWR 1.5 to 1 or less. Full $360^{\circ}$ pattern without deep nulls. Models ASQ-2 \& ASQ-6 are packed with rubber suction cups for car top mounting and a horizontal support for mast or tower mounting.

| STOCK NO. | MOOEL NO. | OESCRIPTION | SHPG. WT. | $\begin{aligned} & \text { NET } \\ & \text { PRICE } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
| 40 T 1905 W | ASQ-2 | 2 Meter 10 "square | 2 lbs. | 9.95 |
| 40 T 1906W | ASQ-6 | 6 Meter 30*square | 4 lbs . | 13.95 |

## B $\boldsymbol{H}$-pur S-1 "SATURN 6" MOBILEER



A compact, horizontally polarized mobile antenna for 6 meters. Includes end-loaded folded dipole with 3 ring design, approximately $20 "^{\prime \prime}$ In diameter, $5^{\prime \prime}$ high. Design center is 50.5 MHzbut resonant frequency may be varied between 50.5 and 53.0 MHz Easily fed with RG58/U coax through a simple "Q" section. Includes 2-piece adjustabte aluminum mast, mast bracket, universal bumper hitch. Less coax feed line. 40 T 5001w Shpg, wt., 10 lbs. $\qquad$ Net 16.95
MT-1 Matching Transformer for Saturn 6. 40 T 5002 Shpg. wt., 1 lb. Net 4.95

## CUSHCRAFT "TRIK STIK" ANTENNA

## Only

## 645

- For Amateur, SWL, TV, FM, Business Radio, CB, VHF (low and high band), Aircraft Reception
Universal antenna designed for vertical of horlzontal mounting. All aluminum construction. Supplied with U-bolt, bracket, and hardware for mounting on a mast op tower. Can also be mounted to a bullding using nails or screws. 2-54" element sections, 2-51" element inserts, $23^{\prime \prime}$ support boom. Complete instructions for frequency settings. 40 T 1918 W Shpg. wt., 2 lbs.


# Selected Fixed Amateur Antennas, Towers 

## OELUXE MOSELY TA SERIES BEAM ANTENNAS FOR 10, 15, 20 METERS

Oeluxe Model TA 33. 3.element beam providing up to 8 db gain on the 10 , 15 and 20 meter bands. Trap design provides broadband performance and stability-beam easily handles a full kllowatt of AM signal. 25 db front-toback ratio. SWR $1.1 / 1$, or less, at resonance. Beam length 14 ft ., element length 28 ft . Shpg. wt. 53 lbs. 40 T 5802wx $\$ 6$ monthly


Model TA-33 "ajunior" similar to above but only 300 wats AM 800 m length 12 ft .. Eiement length $26^{\prime} 8^{\prime \prime}$. Shpg. Wt., 28 ibs. 40 T 5803 Wx \$5 monthly

Net 81.30
NEW Oeluxe Model TA36 6 Element Beam. Automatic ban switching through high impedance paraflel resonant trap circults. Handles 1000 watts AM/CW or 2000 watts PEP. SWR $1.5 / 1$ or brtter. Beam lenkth 29 ft. . boom length 24 ft . Shpg. wt., 71 lbs.
4D T 5607WX $\$ 8$ monthly
Net 152.59

## NEW MOSELY MODEL MCQ-3B 2 ELEMENT

 CUBICAL QUAD FOR 10, 15, 20 METERSDesigned and engineered for superior DX, Dutstanding features: square shape, alumi num casting spreader mount, $52.0 h m$ single feed line. gamma matching, boom-to-mast clamp, aluminum wire rated at 1 KW AM and 2 KW SSB. VSR 1.5/1. Boom length 8 ft . spreader length $12^{\circ} 8^{\prime \prime}$, element length 17 ft. Shpe, wt., 40 lbs
40 T 5808WX. $\$ 6$ monthly Net 105.00


## CUSHCRAFT BEAM ANTENNAS FOR 2, 6 AND 10 METERS

Model $450-5$-Element, 6 Meter Beam. Deluxe, rugged full size, constructed of $3 / k^{\prime \prime}$ 0.049 wall aluminum lubing. Boom is 0.058 wall drawn aluminum. Driven element is "Reddi" matched for direct coax feed. Light enough for any heavy duty TV rotator. Turn.
 F/8 ratio- 29 db . Comes with all parts marked for quick, neat assembly and center band operation. Shpg. wt., 15 lbs. 40 T 1912 WX Net 21.50
MOOEL A-1447 7 ELEMENT 2-METER BEAM. Full sirs. Aluminum tubing. Beam length. $98^{*}$. Forward gain 11 db F/8 1atio 26 db . Shpr. wt., 6 lbs.
40 T 1913 wx
Net 11.95
Model A-144-11. Deluxe 2 Meter Beam with 11 elements. Boom length $144^{\circ \prime}$. Forward Gain 13 db F/8 ratio 28 db . Shpg. wt., 9 lbs. 40 T 1914WX

Net 14.95
MODEL A28-4 4-ELEMENT 10 METER BEAM. Rugred. delure beam with 4 elements-boom is $153^{\prime \prime} \times 18^{\circ}$. Forward gain 100 db . F/8 ratio 25 db. Shpp. wt., 22 lbs.
40 T 1920 WX $\$ 5$ monthly
Net 42.95

## ROHN GUYED CRANK-UP TOWERS

- Guyed For Strength And Safety
- Hot-dipped Galvanized After Fabrication
- Ideal For Amateur Radio Use
- Lowers When Not In Use

MOOEL \#6376-Guyed 37' crank-up tower complete with hinged base plate, $1 / 2^{\prime \prime}$ anchor bolt, guy lugs, sa'ety stops, winch and raising and lowering cable. Tower consists of $2-20^{\prime}$ sections with an overlap of $3^{\prime}$ between each section. Top section width is $81 / 2^{\prime \prime}$, lower section is $10^{2} / 2^{\prime \prime}$. Properly guyed, tower will handle a 3-element ama'eur Tri-Band antenna. Shpg. wt.. 172 los
$40 \mathrm{~T} 6103 \mathrm{XY} \$ 7$ Monthly
Net 145.00
MODEL \#654G Similar to 637G, but 54'. Shpg. wt. 250 Jbs. 40 T 6104XY $\$ 9$ Monthly MOOEL \$K637 Ground Guy Kit for 637G. Shps. wt., 40 lbs. 40 T 6105xy $\$ 5$ Monthly. Net 51.00 MOOEL \#K654 Ground Guy Kit for 654G. Shpg. wt. 50 lbs. 40 T 6106 XY $\$ 5$ Monthly $\quad$ Net 73.00

THE RDHN CRANK-UP TOWERS AND GRDUND GUY KIT WILL BE SHIPPEO FREIGHT PREPAIO IN THE CONTINENTAL LIMITS DF U.S.A. NO C.D.D. DRDERS

Lafayette can supply all Rohn heavy duty Ham industrial crank-up and fold-over towers.

## HY-GAIN FIXED ANTENNAS

MODEL 18 AVQ 10 THRU 80 METER MULTI-BAND<br>VERTICAL TRAPPED ANTENNA<br>- Individually Tuned Hy-Q Trap For Each Band<br>- Easily Instalfed Using Minimum Space

Ruggedly constructed of heavy gauge, taperswaged aluminum, the 18 AVQ can be easily installed for all-band operation. Delivers outstanding omni-directional performance on each band. Uses 4 separately tuned "Hy-Q" air dielectric traps. Traps are factory pretuned to provide peaked performance. Low angle of radiation assures uncompromised results for short haul or OX commenications. Mounts with mast up to 15 m" $^{\prime \prime}$ diameter. Dverall height 32 ft .2 in . For use with 52 ohm coax cable. Shpr. wt., $151 / 2$ tbs. 40 T 3119wx $\$ 5$ Monthly ... Net 54.95 MODEL 18HT-Hy-Tower for $10-80$ meters. Self supporting. 50 ft . high. X-braced with base insulators. Less cable and ground rod. Shpg. wi.. 104 lbs.
40 f $3122 \mathrm{Wx} \$ 8$ Monthly
Net 159.50


## MODEL 14 AVQ 10-40 METER VERTICAL TRAPPED ANTENNA

Self-supporting multi-band trap vertical for 10 thru 40 meters. Solid State Traps. Roof or ground mount. ed. Low angle OX radiation pattern. SWR less than 2:1. Only $21^{\circ}$ high. Shpg. wt., 10 lbs.
40 T 3104 WX \$5 Monthly
Net 34.95
ROOF MOUNTING KIT for 14 AVQ Includes $5^{\circ}$ mast, roof mount, ground plane radial wires, Insulators and all necessary hardware. Shpg. wt., 9 lbs.
40 T 3105 WK
Net 14.95

## MULTI-BAND <br> TRAP DOUBLETS

Feature Slim Line Solid State Traps. Heavy duty end and center insulators Copper clad stranded steel wire elements. SWR less than 2:1 at resonance on every band. Install horizontally or as inverted V. 1 kw P.E.P. or 500 watts AM.

| Stock No. | Model | Frequency | Leng | Shpg. Wt. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 40 T 3106WX | 2800 | 40 \& 80 Meters | 110'6" | 2 lbs. | 29.50 |
| 40 T 3109WX | 5800 | 10, 15. 20, 40 |  |  |  |
|  |  | \& 80 Meters | $111{ }^{\prime \prime}{ }^{\prime \prime}$ | 5 tos. | 44.50 |

Model $2 T D Q$ 00UBLET RIT (Traps Only) for 40 and 80 meters. Per. fectly matched set of new "Hy-Q" traps for constructing 40 and 80 meter trap doublet.
40 T 3110 W Shpg. wt., $11 / 2$ los
Net 19.95
MOOEL CI CENTER INSULATOR FOR MULTIBANO DOUBLETS-Strong. lightweight weatherproof high impact cycolac. Hardware is iridite treated to Mil specs. Accepts $1 / 4^{\circ}$ or $10^{\prime \prime}$ coax cable
40 T 3121 Shpg. wt., 1 lb .
Net 4.95

## MODEL DB62 DUO-BAND BEAM FOR 6 AND 2 METERS

C

Only $39^{95}$

No Money Down
Single transmission line duo-beam for 6 and 2 meters. 4-elements on 6 meters. 18 elements on 2 meters 8 db forward gain on 6 meters and 15 db gain on 2 meters. Boom is constructed of heavy gauge $11 / 4^{\prime \prime}$ seamless aluminum tubing. Etements are of hard drawn aluminum. High impact polystron, weatherproof insulators, 52 ohm coaxial feedline. Shpg. wt., 9 los.
40 T 3120WX \$s Monthly
Net 39.95

(A) LAFAYETTE SEMI-AUTOMATIC "BUG"

A quality "Bug" designed for clear, easy sending and wide range of speed. 7 adjustments for speed and comfort. Precision-tooied, anti-rust nickel-plated brass and stainiess steei operating parts Speed adjustable 10 wpm to as high as desired. $1 / 8^{\prime \prime}$ sifver contacts; weight scale for reproducible speed settings. $67 / 0 \mathrm{~L} \times 3 \mathrm{~W} \times$ $21 / 4{ }^{\prime \prime} \mathrm{H}$, exclusive of knobs and feet. Imported. Shpg. wt., $31 / 2$ lbs. 99 T 2552 $\qquad$ Net 10.95

## (B) LAFAYETTE CODE PRACTICE SET

Ideal for the beginning amateur and code practice groups. Key has adjustable spring tension, and adjustable contact clearance. High frequency buzzer has frequency, and tension adjustment with lock nuts to assure constant frequency. There is provision for insertion of head set by means of binding posts with knupled tightening screws. For individual, group or remote listening. Uses Lafayette $11 / 2$ Volt battery. Base $61 / 4 \mathrm{~L} \times 23 / 4 \mathrm{~W} \times 13 / 6$ " $D$, overall length $81 / 2$ ". Imported
99 T 2553 Shpg. wt., 2 lbs. (less battery)
Net 1.79
99 T 6256 " $D$ " Cell battery for above Net 1.39 99 T 2550 Stethoscope Headset

## SS-POUNDER'S'" KEY <br> (C) LAFAYETTE "BRASS-POUNDER'S" KEY

A precision-made key designed for hard usage. Spring tension and contact clearance adjustments; $3 / 16^{\prime \prime}$ silver contacts; adjustable ball-bearing pivots; Ciruit closing switch. Base $3 \times 2$ "; overall slze $5 \times 2 \frac{1 / 2}{} \times 11 / \mathrm{c}^{\prime \prime}$. Imported, Shpg. wt., $11 / 2 \mathrm{lbs}$.
99 T 2555
Net 2.29

## (D) LAFAYETTE BEGINNER'S KEY

Economical key for beginning amateurs. Solid, heavily chrome and nickel plated metal parts, molded phenolic base. Adjustable spring tension, adjustabie metal parts and adjustable contact clearance. 2 mounting holes in base. Base $31 / 4 \mathrm{~L} \times 11 \%$ "W. Overall length 5 "; height $13 / \mathrm{g} "$. Imported. Shpg. wt., 1202.
99 İ 2554
Net 79
(E) HIGH FREQUENCY CODE PRACTICE BUZZER

Adjustable frequency buzzer ideal for individual or group code prac. fice. Perfect code item for the ham shack. Black molded phenolic housing. Works with $11 / 2$ volt battery. Screw adjustment for changing tone. $17 / \mathrm{s}^{\prime \prime}$ diam. x 11/h" high. Imported. Shpg. wt., 6 oz.
9 T 2556
Net .79
(F) MINIATURE CODE OSCILLATOR MODULE

Transistorized. Ready to connect to your telegraph key, any $11 / 2$ to 6 volt battery and any PM speaker-ideal for learning Morse code or developing speed in recelving or sending-volume may be increased by using higher voltage battery up to 6 volts. Simple connecting instructions and schematic included. Shpg. wt., 80 oz. 19 T 1513

Net .9e


## 12 LESSON CODE COURSE

 50 Learn Morse Code the modern practical way. Supplied with 12 lessons on a non-breakable high quality $331 / 3 \mathrm{rpm}$ long playing record, recorded with code sound to provide further aid. Perfect for home studying. Speed progresses steadily from 3 to $161 / 2 \mathrm{rpm}$. Complete with sturdy record album and instruction manual. Shpg. wt., $11 / 2$ lbs. 40 T 8901

Net 3.50

## AMECO RECORD CODE COURSES



AS LOW AS 3.95

Includes New Extra Class, Supplementary General, and Supplementary Extra Courses Fast, accurate method for learning code. IUNIOR COURSE: one $331 / 3$ RPM LP; from start to $71 / 2$ WPM. ADVANCED: one $331 / 3$ LP; $81 / 2$ to 18 WPM. SENIOR: two $331 / 3$ RPM LP'S from start to 18 WPM. EXTRA CLASS COURSE: one $331 / 3$ RPM LP; is to 22 WPM. SUPPLE MENTARY GENERAL CLASS COURSE: concentrated study from 12 to 15 WPM ; one $331 / 3$ RPM LP. SUPPLEMENTARY EXTRA CLASS COURSE: concentrated study from 19 to 24 WPM; one $331 / 3$ RPM LP. Courses include 32 page manual with FCC-type exams.

| Stock No. | Course | Speed | Wt. | Net |
| :--- | :--- | :--- | :--- | ---: |
| 40 T 1305 | Junior | $331 / 3 \mathrm{RPM}$ | 1 Lb | 3.95 |
| 40 T 1307 | Senior | 3315 RPM | 2 Lb. | 7.50 |
| 40 T 1309 | Advanced | 3313 RPM | 1 Lb | 3.95 |
| 40 T 1051 | Extra Class | $331 / 3 \mathrm{RPM}$ | 1 Lb | 3.95 |
| 40 T 1052 | Supplementary general | $331 / 3 \mathrm{RPM}$ | 1 Lb | 3.95 |
| 40 T 1053 | Supplementary | Extra | $331 / 3 \mathrm{RPM}$ | 1 Lb. |

RIDER "SOUND \& SIGHT" NOVICE CODE COURSE


AS LOW AS 8.95

## - Learn Code With Easy Sight

 and Sound Method0079 NOVICE COURSE-0 to 8 WPM includes 3 LP records, 47 identification cards, and 38 page instruction book. Shpg. wt:, 2 lbs. 40 T 5301

Net 9.50
0484 ADVANCED COURSE-9.20 WPM 3 LP records, instruction booklet. Shpg. wt., 2 lbs. 40 T'5302

# Amateur Keys, Keyers and Clocks 

VIBROPLEX SEMI-AUTOMATIC KEYS


Super Deluxe "Presentation." Patented jewel movement and Super speed control. Pollshed chrominum precisioned machined parts mounted on a 24 k gold-plated base top with colorful red switch knob, finger and thumb piece. Jeweled movement reduces friction, main. tains smoother, easier operation. Shpg. wt., 5 lbs.

## 40 T 8808

Net 43.95
"Champion". Low priced Vibroplex with same high standards of higr quality for clear, speedy and easy sending. Ideal for amateur or professional radio operators. Chromium finlshed top parts with grey crystal base. Singie lever with 2 pairs of contact points. Shipg. wt.. 4 lbs.

Net 21.95
co T 8801
"Original". Acclaimed by veteran operators for its extremely sniooth, ciear, rapid, effortless and accurate operation. A iugged, well built, expertly engineered machine for all classes of transmitting work. Large contact points. Die cut dot contact. Chrome-plated mechanism. Cast-iron base. Shpg, wt., 5 lbs.

N et 27.50 40 T 8802
ome-plated eraxe oritinay. As above but jeweled bearings, ch base. Shpg. wt., 5 lbs.

Net 32.95
CORO AND WEDGE for above. Specify model of key. Shpg. wt. 802. 40 T8 ans

Nel 2.75
Vibro-Keyer. An efticient keying mechanism for an electronc transmitting unit. Same large size contacts and frame as Deluxe $V$ broplex. Easy operating trunion lever. Size: $31 / 2^{\prime \prime} \times 41 / 2^{*}$. Shpp. Wt., z lbs.

## 40 T 8806

Net 20,95

## 24-HOUR ELECTRIC WORLD CLOCK

- 8* Overall diameter


## - Adjustable for Various

 Time Zones- South Polar Projection

Self starting, accurate electric clock.
Tells world-wide and local time. Call-
and seconds-1 to 60 . Black dial with white graduations Chrome and seconds-1 to 60 . Biack dial with white graduations Chrome 13 T 2602

Net 8.95
DELUXE WORLD TIME ILLUMINATED ELECTRIC WORLD CLOCK


- Instantly Indicates Correct

Standard Time at 70 Key Points
Modern. international electric wall time clock, showing the local time in 70 major cities throughout the world - automatically eliminates the need for international time conversion charts. OutstandIng visual aid for amateur science teacher, students, international communications - valuable business tool for around-the.world international offices. Entarged, vivid time indicators are adjustable, permitting precise setting for standard and daylight saving time. Universal design fits any decor in office, board rcom, school library, museums and home study or den. Set in handsome walnut frame $15 \mathrm{H} \times 22 \mathrm{~W} \times 5^{\circ} \mathrm{D}$. Illuminated. Powered by a heavy duty 115 V ., 60 Hertz AC clock motor. Shpg. wt., 5 Ibs.
40 T $3001 \mathrm{wX} \$ 5$ Monthly
Net 41.75

EICO MODEL 717 ELECTRONIC KEYER KIT

## $59^{\text {KIT }}{ }^{\text {Kin }} 89^{\text {ming }}$



No Money Down

- Accurately Keys Any CW Transmitter with Perfect Machine-Like Morse Code
- Aural and Front Panel Lamp Monitoring
- 4 Overlapping Switch-selected Ranges

Fully automatic electronic keyer which may also be used as a code practice oscillator. Provides clean-cut, accurately timed dots and dashes, proportloned from 3 to 75 WPM in 4 overlapping switchselected ranges. Easily attaches to any CW transmitter. Features big $3 \times 5^{\prime \prime}$ speaker, separate volume and tone controls, and vernier control on all speed ranges. Dot/space ratio-1:1. Dash/dot ratio 3:1. $51 / 248 \times 81 / 4^{\prime \prime}$. Shpg. wt., 9 lbs. 40 I 7419 Kit $\$ 5$ Monthly

Net 59.95 40 T 7420 Factory Wired $\$ 5$ Monthly

Net 89,95

## hallicrafters ha-1 "T.O. KEYER"

## $84^{95}$

 No Money DownAdvance design electronic keyer fea. turing "Tone Oscillator" for aural monitoring of outgoing signals. Electronic timing circuit insures consistent accuracy. Dual speed control: 10-30 WPM and 25-65 WPM. Constant ratio of dot to space to dash over entire speed range. Size: $7 \times 5 \times \mathrm{F}^{\prime}$. Shps. wt. 9 lbs.
 40 T $2564 \$ 5$ Monthly

## AMECO CODE PRACTICE OSCILLATOR KIT

 - Variable Tone Control - In Kit or Wired Form

Prerecorded magnetic tapes containing a complete course in the international Morse Code. The tapes are 7", 1200 ft . pre-recorded at $37 / 4$ los and can be played
on any standard tape recorder. Playing time 2 hours per tape. Shpg. wt., $11 / 2$ tbs.
NOVICE Basic instructions \& code 4-8 WPM.
ant 4901 Net $\mathbf{5 . 5 0}$
ADVANCED Code at 9-18 WPM.
40 T 4902 Net 5.5
New ExIRA Cede instruction at 22-31 WPM.
40 T 4903
Net 5.50
24 HOUR TYMETER. CLOCK only $15^{00}$
Numeral type, 24 hour station clock. Self starting electric. Dome shaped full vision window UL " listed motor and cord. For $110 \mathrm{~V}-60$ Hertz AC. $4 \times 4 \times 7 \% / 4 \%$. Shipg. wt.. 4 lbs. 40 T 9102

Net 15.00

## 24 HOUR CALL-IDENT TYMETER CLOCK

- 10 Minute Repeat
 Timer
24-hour direct reading dial shows minutes and hours. 10 -minute repeat timer buzzes warning to sign your
 call letters. Timer independently switched. Self-starting electric. For $110.120 \mathrm{~V}, 60 \mathrm{~Hz}$ AC. Walnut finish plastic case. Size: $71 / 4 \mathrm{~W} \times 4 \mathrm{Hx} 4^{\prime \prime} \mathrm{D}$.
40 T 9101 Shpg. wt., 5 lbs.


# Improve Your Amateur And CB Operating Effectiveness 

## MINIATURE ILLUMINATED MODULATION "S" METER



- Combination "S" Meter, \% Modulation Meter and RF Power Output Meter
- Accurate D'Arsonval Movement
- Jewel Bearings


Highly accurate. Features wide viewing angle and 3-color scale. Front panel zero adjustment. Calibrated scales (1 MA full scale), 0 to $100 \%$ modulation, " 5 " units $0-9$, also +10 and +30 . Linear full scale markings of 0 to 5 . Dimensions: dial face, 1 "8"; depth $11 / 4^{\prime \prime}$ overall. supplied with 4 mounting screws and lugs. For 6 or 12 volts. Dust resistant case. Imported. Shpg. wt., 8 oz .
99 T 2507
Net 2.35


## RADIO FIELD INDICATOR

- Continuously Measures Transmitter RF Output
- Requires No Electricity, Batteries, or Transmitter Connection
- Powerful Magnet on Bottom Plate for Mounting on Dashboard or Other Metal Surfaces


## $7^{95}$

Checks performance of your marine, mobile or fixed transmitter. Features a $200 \mu$ a meter movement with variable sensitivity control. Earphones can be plugged in for an aural check of output. Antenna extends from $31 / 4^{\text {" }}$ to $103 / 4^{\text {". Powerful magnet allows easy mounting. }}$ Use anywhere, $\ldots$ requires no electricity or batteries. Dimensions: (less antenna) $31 / 3 W \times 21 / 4 \mathrm{H} \times 20^{\circ}$. Imported.
39 I 2509 Shpg. wt., 7 oz.
Net 7.95
99 T 2515 High output crystal earplece for above
Net 1.09

## DELUXE WAVE-METER



895

- Instant Readings of Transmitter RF Output
- Requires No Batteries or Connections to Transmitter
- Compact, Portable, and Accurate

A miniature wavemeter for checking transmitter output. Determines relative strength of fundamental frequency and any harmonic or parasitic radiation. Complete and self-contained requires no power. Telescoping antenna is included. Tunes 1.6 to 150 mc in four calibrated bands. Only $31 / 8 W \times 2 \%_{1} H \times 11 / 2^{\prime \prime} D$. Antenna is $10 \% 4^{\prime \prime}$ extended. $31 /{ }^{\prime \prime}$ telescoped, is fitted with a screw plug and is removable. Imported. Shpg. wt., 8 oz.
572511
Net 8.55

## MINIATURE ILLUMINATED "S" METER



- Accuracy 2\% of Full Scale
- High Quality D'Arsonval Movement
- Clear Piastic Front

Durable wrap-around plastic front panel provides wide-angle reada. bility. Zero adjustment screw on front panel; jewelled bearing movement. Callbrated in "s" units from 0.9 with the scale terminating in +10 and +30 calibrations. Additional full scale calibrations of $0-5$ and $0-10$ in linear scale divisions. Silvered dials; black numerals and pointers. Illuminating lamp for either 6 or 12 volt operation. $1 \%{ }^{*}$ dial face; $11 / 4^{*}$ overall behind panel. Supplied with mounting screws. Imported. Shpg wt., 8 oz.
9572513
Net 2.95


SWR BRIDGE AND RF POWER METER

- Measures Standing-Wave-Ratio in a Transmission Line
- Measures Up To 15 Watt Output Into a Built-In Dummy Load
- VSWR Measurement From 1:1 to $10: 1$ and Reflected Power to 1 KW
Highly accurate SWR and direct power readings up to 50 Mc . The unit may be permanently inserted in the transmission line for SWR and relative power monttoring. For 52 or 75 ohm lines. Insertion loss is negligible. Meter has 50 ma movement: calibrated directiy in watts from 0.15 and in SWR from 1 to 10 IF (reads infinity at full scale) . Housed in an attractive grey metal cabinet, $31 / 9 x$ $74 / 4 \times 2 \%{ }^{\prime \prime}$. Sits on 4 rubber feet. Imported. Shpg. wt., 2 lbs.
99 T 2500



## DELUXE SOLID STATE FIELD STRENGTH METER

- Permits Easy Tune.Up For Maximum Transmitter Output
- Earphone Jack to Monitor Audio
- Tuned Input From 2.53 To 57 MC
$1595: 200 \mu$ a Meter Movement
Covers 2.530 Mc to 57.000 Mc in 3 bands. Ideal for use with ham, Citizens Band or other transmitters within this frequency range. Enables user to tune his transmitter and antenna for maximum RF output. $200 \mu$ a meter is callbrated from 0 to 10 . Earphone jack provided. Front panel controls: gain on-off switch, tuning, and band selector switch. Battery powered-can be operated anywhere, With $20^{\circ \prime}$ telescoping antenna and battery. Dim: $41 / 4 " H \times 43 / s^{*} D \times 41 / s^{\prime W}$. Imported, Shpg. wt., 2 lbs.

|  | t |
| :---: | :---: |
| 99 T 2515 High output crystal earpiece for above | Net 1.09 |
| 99 T 6258 Replacement battery for above | Net |

DELUXE "S" METER


- Signal Strength Meter Using VTVM Principles
- Magnetic Feet For Mobile Dashboard Mounting
- Sensitivity and Zero Adjust Controls
Designed for use with any superheterodyne receiver employing AVC. Meter is calibrated in "'s" units from 1 to 9 , and in db up to 30db over $\$ 9$. Partial peak clipping is provided for noise limiting. Simple Instaliation- $8+$. fflament and ground. It is adaptable to either 6 or 12 -volt equipment, and to receivers using 150 ma or 300 ma series string filament systems. Requires $150-200$ VDC for B+. Complete with 12AU7 and installation instructions. Imported. 99 T 2512 Shpg. wt., 2 lbs. Net 4.5


## FULL-SIZE ILLUMINATED "S" METER




- Indicates Strength of Received Signal
- 2 Jewel Movement
- Clear Plastic Front
- Calibrated to $\mathrm{S} 9+40 \mathrm{db}$

A quallty "S" meter (basic $1 \mathrm{ma}, 2$ jewel movement) designed to replace many " 5 " meters used in communications recelvers. Clear plastic front measures $2 \%{ }^{*}$ square and meter fits standard $2 \%{ }^{* \prime}$ round hole. Perfect for the experimenter and amateur. Complete with mounting screws, instructions for installation and use. For 6 volt or 12 volt operation. Zero adjustment control on front panel. Imported. Shpg. wt., 1 lb.
99 I 2514
Net 3.95

# LAFAYETTE Top Performing CB Microphones 

(a)


## [A DYNAMIC CB MICROPHONE

- For Use With Low Impedance Solid State Transceivers Super efficient low impedance dynamic microphone. Housed in attractive, professionally styled, gray and black, high-impact plastic case. fits snugly in palm of hand, Top-performing coiled cord consists of 3 conductors plus shield and terminates in 4 prong miniature plug. Wired for relay switching. Mates directly with microphone input chassis socket of Lafayette HB-500, HB-500A. HB-555, HB-525, HB-525A. HB5258. HB-525C. HB-625, HB-23, HE-20T, HE-200, HA-450T. HB-600, and Telsat 23 . Size: $3 \% \times 23 / 4 \times 11_{4}{ }^{\prime \prime}$. Imported.
99 T 4518 Shpg. wt., 1 lb. $\qquad$ Net 5.55


## NOISE CANCELLING CB MIKE

A high output ( -48 db ) low nolse cardioid pattern PTT ceramic mike excellent for mo bile and base applications. Minimizes noise pickup from rear to avoid interference with audio input. Rugged, high-Impact Cycolac dark grey case with 3 conductors (one conductor shielded) coiled cord, fits comfort. ably in palm of your hand. Frequency response $300-3000 \mathrm{cps}$. For use wlth tube type CB equipment. With hang.up clip. tess plug. Shpg. wt., 110.
4 14501 $\qquad$ Net 5.50 Miniature Microphone Plug. For connection to Comstat 19, 23, 25, 25A, HB-444, A, B, and Comstat 23 Mark V. Imported. 99 T 6263

Net 1.29

## [C] CB BASE STATION

## CERAMIC MICROPHONE

For tube-type CB transceivers. Efficient, attractive high impedance desk ceramic microphone. With convenlent push-to-talk button plus lock-switch for prolonged transmission. 3 -conductors plus shield for normal relay or electronic switching. $33 / 2 x$ $53 / 6 \times 734^{\prime \prime}$. Imported. Shpg. wt., $12 / 2 \mathrm{lbs}$. 99 14607 less plug. . Net 9.95 Miniature Microphone Plug. Permits use of microphone with Lafayette Comstat 23, 25. 25A. HB.444, A. B, Comstat 19, and Com: stat 23 Mark V. Imported. LAFAYTTE CB BASE STATION Net 1.29 LAFAYETTE CB BASE STATION OYNAMIC MICROPHONE, Same as above but has dynamic element. Low Impedance for use with transistorized CB. Imported.
99 T 4608 Less plug. $\qquad$
$\qquad$ Net 11.85 with HBe Plur. Permits use of microphone A B HB-625 HB-23, and Telstat 23 . 99 T 6283 imported Net 92

## [1] BOOM MIXE/HEADSET

Frees hands for safe driving. Perfect answer to your CB and Ham mobile needs. For use with VOX or foot switch for transmit-receive changeover. Lightweight and comfortable with 8 -ohm earphone. Crystal mike for high output and full modulation. Boom and headband adjust to individual preference. Mike mounted on swivel. Finished in chrome and mounted tone plastic. With 5 f ., 4 -conductor cable. Imported, Snpg. wt., 1 ib . 99 I 2565 for tube transceivers

Net 3.9

TURNER CB MIKES WITH BUILT.IN 2-TRANSISTOR PRE-AMP

+2 BASE
STATION MIKE

$m+2 / U$ MOBILE MIKE $23^{23}$
+2 Base Station Mike-Push to talk bar with locking switch for normal PTT or VOX. Works with sets using relay or electronic switching. Frequency response $300-3500 \mathrm{~Hz}$. 3 -conductor, 1 shielded colled cord. Finished In blue and chrome. Output impedance 500 ohms. Includes battery. Shpg., wt., 4 Ibs
44 T $7016 \$ 5$ Monthly
Net 32.34 * $+2 / U$ Mobile Mike.Preamp with volume control in rear for best modulation. Frequency $300-3000 \mathrm{~Hz}$. For sels with relay switching. Compiete, with battery, dash bracket and 5 ft . colled cord. Wt., 1 lb . 44 T 7018 $\qquad$ Net 23.23

CB CRADLE HAND SET
$24^{95}$

Modernize your present flxed or moblle CB station with these telephone style handsets. Attaches to dashboard, side of unit or wall of fixed station. Switch in the cradle automatically disconnects the speaker when the handset is lifted. The microphone is activated by means of a push-bar, push-to-talk switch. Ideal for use in heavy traffic, loud backgtound noise area, at home or in the office for privacy. Shpg. wt., 2 lbs,
For Solid State Transceivers
42 T 6503
Net 24.95
for Tube-Type Transceivers 42 T 6504 set to LAFAYET direct connection of handHR 23 MB-500A HB-23; HB-500A; HB-525, A, B, C; HB-555 HB.600; HB-625; HE-20T; Telstat 23. 99 T 62 Mis Microphone Plug Net 99 phone/speaker jark 99 T 6210

Net .22 Accessories for direct connection of handset to LAFAYETTE Tube-Type Transceivers LAFAYETTE COmstat 19; LAFAYETTE COmstat 23 MK V; LAFAYETTE COmstat 25, A.
99 T 6263 Microphone Plug
Net 1.29 Speaker Plug for insertion into oxternal
phone/speaker jack. 99 T 5221

Net .25

## [E] OELUXE ALL-METAL CB CERAMIC MICROPHONE

High output ceramic microphone with deluxe chrome plated metal case and 4 ft . colled cord. Fits snugly in the palm of the hand; resists abuse of tough mobile operating conditions. The 3 conductor plus shield colled cord is permanently attached for minimum wear. Hang-up button for mobile mounting. Wired for electronic switching. with instruction for conversion to relay switching. For tube-type CB equipment. Imported. Shpg. wt., $1 \mathrm{lb} .$, less plug.
99 T 4562 $\qquad$ Net 6.95
Miniature Microphone Plug. For connection to Comstat 19, 23, 25, 25A, HB-444, A. B, and Comstat 23 Mark V. Imported

## 99 T 6263

Net 1.29

## [F] "MITY-MITE" CB CERAMIC MICROPHONE

Ceramic microphone expertly designed and professionally styted for real pertormance. fits snugly in palm of hand for effortless operation. Features a "Long Life" ceramic element. Three conductors plus shield connected for electronic switching. Includes instruction sheet for conversion to relay switching. For all high impedance input CB transceivers (tube type). High impact plastic case and 4 foot colled cord. $1 \times 11 / 4 \times 31 / 4{ }^{\prime \prime}$. 99 T 4579 wt., 8 oz. Imported. .... Net 4.95 Same as above except with miniature positive locking plug. Mates directly with chassis socket of Lafayette Comstat 25 , 25A. Comstat 23 Mark V. and Comstat 19. 99 T 4617 Imported

Net 5.75

## SHURE 4AAT TRANSISTORIZED BASE STATION MICROPHONE

\author{

- Built-in 2 <br> Transistor Preamp <br> - Variable <br> Output Level
}


Provides optimum performance for low impedance CB, AM. FM, and single side-band communi. cation. Built - in 2 transistor preamp increases signal strength. Controlled magnetic type with response of $200-6000 \mathrm{~Hz}$. Semidirectional. Output level variable from 2 to 45 mv to minimize distortion. overioading and output transistor burnout. Press-to-talk control bar with locking feature. Height adjustable from $9 \mathrm{~K}_{4}^{\prime \prime}$ to $11^{1} \mathrm{~K}_{4}^{\prime \prime}$. Base, $51_{4} \mathrm{~K}_{4} \times 4^{\prime \prime}, 4 \mathrm{ft}$. coiled cable. Battery supplied.
44 T 7550 Shpg. wt., 2 lbs.
Net 29.11

## MAGNETIC <br> MICROPHONE <br> HOLDER

## - For CB, Ham and <br> Commercial Mobile Radios

Elther clip to microphone for ready-to-use magnetic mike or attach to any steel surface and slip microphone in holder, fits most microphones. Imported, wt., $1 / 4 \mathrm{ib}$. 95 T 4558

\title{

SREAYETTE Headquarters for CB Crystals CB CRYSTALS <br> A complete listing of transmitting and receiving crystals for the most popular Citizen Band Transceivers and Walkie-Tallies on the martet
today. These crystals are available for any channel from 1 to 23. When ordering be sure to specity stock number and channel desired. <br> meet F.C.C accurate 3rd overtone crystals are precision made and meet F.C.C. tolerance requirements of . $005 \%$. No crystal required in recelver circuit of these transceivers. Shpg. wt., 3 oz. Specify

stock number and channel desired <br> <br> LAFAYETTE CB EQUIPMENT <br> <br> LAFAYETTE CB EQUIPMENT <br> | Made! | Stock Numbers Iransmit Receive | Stock Numbérs |  |  |  | Stoch Numbers |  |  | Stock Numbers |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| H8.115, A | 46 | HE-201, HA. 150 | 46715 | 46712 |  | Transmif | Receive | Model |  |
| HE-15, A, B | 46718 | HE.43, A, B, C, HE 90 | 46718 | 46719 | H8.500 | 46715 | 45710 | Comstat 19 | 4676146.762 |
| HE-20,A,B,C | $46 T 18$ 46T19 | HB-111 | 46761 | 46719 | HB.555' | $46 \mathrm{T15}$ | 46713 |  |  |
| HE-20 0 | 4671146712 | HB-200 | 46761 | 46T19 | Comstat 9 KIt | 46761 | 46717 |  |  | <br> 

POPULAR CB CRYSTALS FOR STANDARD BRAND TRANSCEIVERS

| Mif, Motel ${ }^{5}$ | Stock ransm |  | ModelStock Numbers <br> Transmit Receive |  | Model Transmil Receive |  | Stock Numbers |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Airline (Wards) TR | RR4, |  | Mif. Model Transmit <br> Cho $880 \quad 451 / 5$ | Receive |  |  |  |  |  |
| GTI.498,-499 | 46528 | 46756 | "Commander" 46T20 | 46721 | Messenger 10046 T 29 | 46721 | Companion 1 | $\begin{aligned} & 46757 \\ & 46757 \end{aligned}$ | $46759$ $46 \mathrm{~T} 59$ |
| 62-426,-427 | 46720 | 46721 | Eico 740, 74246120 | 46121 | Kaar TR326A, TR327, |  | "Companion III | $\begin{array}{r}16157 \\ \hline\end{array}$ | 46759 46721 |
| -428,-429,-568, | 46720 | 46721 | 760, 760A, 46726 |  | TR330, TR33, 8 46T61 | 46750 | and ${ }^{\text {companion }}$ II | 146129 | 46721 |
| -569,-574,-575 | 46720 | 46121 | 761,762 46 T26 |  | T1190 $46 \mathrm{T18}$ | 46750 | "Escort I" | 46129 | 46721 |
| 62-526, | 46711 | 46755 | 770, 771, 46726 | 46 T 22 | Knight Kit 2408 46T20 |  | -Sentry | 46157 | 46759 |
| -552.-55 | 46711 | 46755 | 772,777 46126 | 46122 | C11 46T18 |  | "Sentry 11" | 46157 | 46759 46721 |
| 62-522,-523, | 46527 | 46737 | Sentinel 12 4671a | 46723 | C100 46T2 |  | "Sentry 11 " | $46129$ |  |
| -524,-525,-56 | $46 T 27$ | 46137 | Fanon Masco FCE-3A, |  | C555 46T28 | 46756 | Model 8121 | 46728 | 46738 |
| 62-541, 561 | 46725 | 46152 | FCB-4A,-6,-12, 46729 | 46121 | KN2500, XN2550, 46T18 | $46 T 19$ | Philmore CTIW, |  |  |
| Ilstate (Sears) 645 | 450 |  | -13, 46129 | 46721 | KN2580, KN2585 46T18 | $46 \mathrm{T19}$ |  | 46718 |  |
| 6452, 6458 | $46 T 20$ | 46121 | FCB-55,-90,-91 46T29 | 46721 | KN2520, 46T29 | 46751 |  | 46718 |  |
| 6455,6462,6465, | 5, 46711 | 46121 | DCB-11, DCB-92 46 T29 | 46121 | KN2522, L.2540, 46T29 | 46751 |  | 46718 |  |
| 6469, 6471 | 46711 | $46 T 21$ | DCL-50, RCB-10 46 T29 | 46121 | L-2541, L. 2542 46T29 | 46751 | TC.950 | 46718 | 46742 |
| 6491 | 46 T11 | 46755 | L-1000, L-2000 46 T29 | 46121 | A-2543, A-2544, 46129 | 46751 | , | 46120 |  |
| 6550 | 46727 | 46737 | FCB-5A, -9A,-11 46T20 | 46521 | A-2545, ${ }^{\text {a }}$, 46729 | 46751 |  |  |  |
| 6552 | 46725 | 46152 | FCB-99A 46T20 | 46721 | KN2590 46T61 | 46 T 23 |  | 46730 |  |
| 6556 | 46729 | 46721 | RT-101 46T18 | 46142 | KG4000 46T28 | 46738 | PCN-8, PCN-12 | 46730 | $46 \mathrm{T49}$ |
| 6558, 7551 | 46729 | 46745 | General Radio Tel. |  | Safari II, III, IV 46129 | 46751 | Poly Pup T-7A | 46725 | 46149 46751 |
| 7550 | $46 T 27$ | 46.743 | MC1, MC2, 46718 | 46742 | Lincoin L20 |  | Poly Compact | 46125 | 46763 |
| AMO AMD9, |  |  | MC3, Echo 9, 46718 | $46 T 42$ | L2700A |  | RCA Mark VII, | 46127 | 46737 |
| AMD | 46720 | 46721 | MC4, MC5, 46751 | 46742 | 12542 46720 | 46721 | Mark Vill, | 46144 | 46737 |
| Amphenol C-60, C. 7 | .75, |  | MC6, EM5, EM6 46161 | 46742 | Lloyd's 6A-01, 7A-08, |  | Mark $X$ | 46 T 25 | 46160 |
| 725,750 | 46725 | 46733 | VS2, VS3, VS4, 46 T61 | 46746 | 7A-11B, 7A-15, 46720 | 46T21 | Personal Com. | $46 T 20$ | $46 T 21$ |
| 5108 | $46 T 25$ | 46134 | VS5, VS6, VS7 46761 | 46746 | 8A-22F, WII22 46720 | 46121 | CBR-1A5, 300 | 46 T 20 | 46121 |
| 600,625,650,675 | 546725 | 46145 | Clobe X -90 46T20 | 46721 | $6038,715,46720$ | 46721 | Realistic CBK-1. | -1. |  |
| Apelco AR-9 | 46748 | 46742 | CB-100 46T1: | 46135 | 811, 901 46T20 | 46 T 21 | TR-2, TR | 46718 | 46742 |
| Arkay SQ9, Sagw | 46718 | 46123 | CB-100A 46T18 | 46142 | Magnavor WT-101 46520 | 46521 | Pocketph | 46718 | 46742 |
| Automatic Radio |  |  | Gonset G11, G12, |  | Mark Products |  | TRC. $\times 20$ |  |  |
| Com-Rad II, | 4671 | 46721 | G14, G15 46749 | 46 T19 | "Cobra 5" 46529 | 46751 | $94.594{ }^{\text {a }}$ | 46718 | 46142 46742 |
| MCR 6450 | 46711 | 46121 | Hallicratters CB2, |  | Metrotek "Bronco," |  | TRC.27A | 46718 | 46742 |
| TRR6448, | 46711 | 46721 | CB3, C83A, CB5, 46727 |  | CB280 46T25 | 46751 | TRC. 5 | 46761 | $46 T 43$ |
| MCE6510 | 46711 | 46721 | CB5A, CB7, CB9, 46T27 | 46737 | "Charger", 46125 | 46151 | TRC. 6 | 46761 | 46742 |
| Bendix CB-6,CB-12 | 246749 | 46719 | C817, C827 46727 | 46137 | CB281 46125 | 46151 | TRC-12 | 46725 | $46 T 21$ |
| MM-8 | 46761 | 46750 | C84 46727 | A6143 | "Mustang 65", 46131 | 46723 | TRC-14, TRC-15 | 46725 | 46751 |
| Browning S-9, 1270 | 700 |  | CB6 46128 | 46756 | "Pacer I", 46T31 | 46723 | TRC-44 ${ }^{\text {a }}$ | 46720 | 46721 |
| "Compact" | 46718 |  | C811 46720 | 46121 | "Mustang II', 46731 | 46723 | Regency CBM-27 | 46 T18 | 46 |
| "Eagle" S-23 | 46128 |  | CB12,CB19,C821 46T25 | 46752 | "Space Statión" 46731 | 46 T 23 | "Bronco" | 46 T 25 | 46151 |
| 23/9 | 46726 |  | CB15 46T29 | 46121 | "Colt-23" 46753 | 46123 | "Charger" | 46725 | 46751 |
| Burstein Applebee |  |  | CB20 'Reactor" 46 T25 | 46147 | "Pacer li" 46753 | 46751 | "Colt 23" | 46 T 53 |  |
| BA-8 |  | 46123 | Hallmark |  | "Starfire" $45 \mathrm{T16}$ | 46723 | Ross RE. 014 |  |  |
| BA-22 |  |  | O-C0 |  | "7110 46761 | $46 T 43$ | 11TR, RE3 | $46\} 20$ | $46 T 21$ |
| Channel M |  |  | 212,512,1250X 46T18 | 46142 | Econoline" 46761 | 46143 | 100 Page | 46128 | 46T38 |
| 6427 6428 | 46711 | 46745 | Hammarlund HQ105TR. |  | Midland 13-103 46T28 | * | 200 | 46128 | - |
| 6428 $6552,6553,6554$ | 46711 | 46121 | 105 TRC, 105 TRS, 46718 |  | 13.105, 13-106, 46720 | 46721 | 300 | 46720 | 46 T 51 |
| $6552,6553,6554$ titone CD5, CD6, | 46 T 20 | 46721 | CB205 46718 | * | 13-108, 13-110, 46720 | 46721 | Sonar "D | 46T18 | $46 T 42$ |
| $\begin{aligned} & \text { itltone CD5, CD6, } \\ & \text { CD7, CD11, } 99 \end{aligned}$ | ${ }_{4} 4$ |  | CB5, CB6 46761 | $46 T 19$ | 13-111, 13-120, 46720 | 46 T 21 | "G" | 46731 | 46141 |
| laricón 15-020. |  |  | 461 |  | 13-124, 2910 46T20 | 46721 | "H" | 46148 | 46741 |
| 15-030, 15-050, | 46720 | 46721 | Heath C82, GW10, 11, |  | 13-132, 13-133, 46 T 20 | $46 T 21$ | T-2 | 46120 | 46755 |
| $15-200$, | $46 T 20$ | 46121 | 12, $42,32,34,46128$ |  | 13-143, 13-150, 46120 | 46121 | Com CBP | 46718 | 46742 |
| 15-040 | 46128 | 46156 | MW33, MW34 46T28 | 46123 | 13-755, 13-775, 46 T 20 | 46721 | Sony CB-106 |  |  |
| 15-400, 15-410 | 46711 | 46755 | G14, GW21, 46 T28 | 46138 | 13.125 46T28 | 46756 |  | 461 | 56 |
| Courier TR-5, TR-6 | 46725 | 46721 | GW52, GRS-65A 46T28 | 46738 | 13-160 46T18 | 46119 | $\times 3$ |  |  |
| 12 | 46118 | 46742 | GW30, WG31 46T28 |  | Olson |  |  |  |  |
| AGS-200 | 46118 | 46119 | Intermart C11 46r18 | 46142 | 2,3, RA-530 46718 |  | R140 |  | 461 |
| Days trom DM-277. |  |  | "Cipher 1000" 46 T 20 | 46121 | 46125 | 4675 | R1408 |  | 461 |
| 278, 348 | 46718 | 46723 | International Exec. |  | S.9, RA-638 46128 | 46756 |  |  |  |
| GRS-65 | 46528 | 46738 | CTZ-50, CTI-5A2 46761 | 46739 | RA-396, RA-442, 46T18 | 46719 | True |  |  |
| Demeo T-110 |  |  | CT2.582 46T61 | 46739 | RA-443 $46 T 18$ | 46119 | 12 | 467 | 46T42 |
| "Satelite"'CB-1A | 46731 | , | 10 46761 |  | RA-446 46120 | 46721 |  | 96T | $46 T 42$ |
| "Chalet" | 46720 | 46721 | $50,100,100 \mathrm{~A}, ~ 46761$ | 46739 | RA-482, RA-521 46T10 | 46 T 42 | ca |  |  |
| "Ravelle" | 46731 | $46 T 41$ | $100 \mathrm{C}, 100 \mathrm{D}$ - 46161 | 46739 | 717 46761 | 46723 |  |  | 46136 |
| RE.011 $\dagger$ | 46720 | 46T21 | Iwata CT-100. |  | Pace I, II, 100, |  | 565,575 |  |  |
| "Demcophone" | $46 T 20$ | 46121 | WT-5000 46T20 | 46 T 21 | 200, 230046729 | 46 T60 | World | 46 | $46 T$ |
| DeWald TR.8 |  |  | Johnson Messenger 1 , |  | Panasonic RJ4 46728 | 46756 | ECKB, "DX'er | 46T18 | - |
| TR.910 | 46718 |  | Messenger II, 46 'T27 | 46743 | RJ6 46520 | 46721 | SM-100 | 46725 |  |
| TR.1000, | 46716 | 46.119 | Messenger III, 46129 | 46145 | Pearse simpson |  | "Champion 77" | 46718 | 46142 |
| R-1050. F-1050 | 46718 | 46T19 | Messenger 30048529 | 46745 | C8D-5 46T54 | 59 | "Hustler" | 46748 | 46723 |

# Lafayette CB Replacement-Experimenter Parts 

12 VOLT DC POWER CABLE


Consists of one hot red lead and one black ground lead. One end of assembly terminates in a rugged 3 contact female plug, ready for mating with chassis power socket. The opposite end terminates in lugs for solid connections to the battery point and ground. Midway in the IIne is a durable plastic holder containing a protective fuse. Features well soldered connections, strong wire. Overali length approximately 6 feet long. For HB500 , A. HB-555, HB-525, A, B, C, HB-625, and H8-23. Imported. Wi., 802. 9913110

Net 2.50

## CABLE ASSEMBLIES FOR

 LAFAYETTE COMSTAT 23, 25, 25A

FIG. A. AC Cable Assemity. $53 / 4 \mathrm{ft}$. of durable cable terminating in dual prong power plug on one end and in 8 -prong octal socket on other. Shpg. wt., 8 oz.

## 95 T 3181

$\qquad$ Net 1.95
FIC 8. DC Cable Assembly. $41 / 2 \mathrm{ft}$. fused DC cable tinned on one and and terminating in octal socket on other. Shpe. wt., 8 Dz .

## 99 T 3182

## AUTOMOBILE CIGARETTE LIGHTER CABLE

Connect the two free leads of this power cable to your equipment power input, plug into car cigarette lighter outlet and that's all there is to it. Fused for safety by fuse in bayonet type. fuse holder wired into cable. 3 ft . long, For HE- 20 Series, HE-43 Series, HE-45 Series, HE. 50 Series Shpg. wt., $6 \mathbf{0 z}$.
 32 T 0930 Net 2.50
Same as above but for H8-200, H8.111 and HB-222. 32 T 0931 Het 2.50

## AC CABLE ACCESSORIES

for HE-20, A, B, C; HE-43, A, B, C; HE-45, A, B: HE.50, A, HB-333. Shpg, wt., I lb. 12 T 0932 Net 1.95 For HB-115, A, B; HE-15, A, B; HE-35, A 12 T 0934 Shpg. wt., 1 16. ., Net 1.95

## POWER TRANSFORMERS

Sturdy, enclosed vibrator power transformer. 117V 60 Hz AC primary: Secondary 107 VAC at 285 Ma ; Filament winding 6.3 V at 3.1 Amps . $6 V$ vibrator lead. DC rating through voltage doubler 275 VDC at 75 Ma DC $3 " L \times 23 / a^{\circ} \mathrm{W}$
 $\times 23 / 4$ "H. Used in Lafayette HE-43, A, 8 a C. 12 T 0902 Shpe. wt., 4 lbs. Net 5.95 115 VAC Primary; Secondary: 100 VAC at 30 Ma , and 3 VAC filament windings. Not for vibrator power supply, $25^{2} \operatorname{s}^{-L} \times 21 / 4 \sim W \times$ $21 / 4-\mathrm{H}$. Used in Lafayette HE-15B \& HB-115A. 32 I 0903 Shpg, wt., 3 ibs

## OUTPUT ANO MOOULATION

## TRANSFORMERS

Used in any circuit using a 6 AQ5 tube as a modulator output and requiring 3.2 onm secondary for PM speaker, is in Lafayette HE-20A, B \& C. HE-43A, 8 \&
 C. $2 \% \times 12 / 4 \mathrm{~W} \times 1 \%{ }^{\prime 2} \mathrm{H}$. With application instructions. Shpg. wt., $11 / 410$ s. 32 T 0905

## 27MC WALKIE-TALKIE

 TELESCOPING ANTENNAAttractive and highly effici. ent 12 section chrome plated brass telescoping antenna for "walkie talkie" transceivers. Measures $52^{\prime \prime}$ fully extended and $57 / 8^{\prime \prime}$ retracted. Has \$8-32 threaded stud and nut at bottom for easy mounting, and soldering lug for electrical connection. Shpg. Wt., 1007
99 I 3008
Net 1.95

## INTERSTAGE DRIVER TRANSFORMER

Subminiature, efficient driver transformer used to drive push-pull output transistors. Secondary center-tapped. Impedance: primary- 10 K ohms, sec. ondary- 2 K ohms, ct. \%ox Kox $\mathrm{K}_{6}$ "H. With schematic. Shpg. wt. 8 oz
99 T 6131
Net 89

## MODULATION \&

AUDIO OUTPUT TRANSFORMER Used in H-29-8. Subminiature $3 / 4 x^{5}$ b $_{6} x^{5} / 6^{" 1} \mathrm{H}$. Center-tapped primary 2 secondary windings. Impedance: primary500 onms C.T., second-ary- 8 ohms and 3 K ohms. With schematic. Imported. 99 I 6132 Shpg. wt., 8 oz. Net 85

## LAFAYETTE MINIATURE MICROPHONE CONNECTORS

(A) Microphone Plug for C8 and Amateur Microphones. Precision engineered and sturdily constructed. Plug takes any 4 conductor (or 3 conductor with shield). colted cord or straight cable.
Features threaded retaining ring for posi tive locking, integral cable retaining clamp, and polarizing heyway. Size: $11 / 4^{\prime \prime} \mathrm{L} \times 1 / 2^{*} 0$. Used with microphone in Comstat 23, Comstat $25,25 A, H B-444, \mathrm{HB}-444 / 25, \mathrm{HB}-444 /$ 25A, Comstat 19. Imported. Shpg. wt., 802. 59 r 6263
(8) Microphone Chassis Socket. Mounts on equipment chassis or panel and mates with $99-6263$
plug. Size: $3 / 4^{*} \times 9 / 16^{\prime \prime}$ Dia.
Requires $5 / 8^{\sim}$ mounting hole. Used in Comstat 23, Comstat $25 \mathrm{~A}, \mathrm{HB}-444$, HB-444/25, H8-444/25A. Comstat 19. Imported. Wt. 8 oz 99 T 6264 Net - 89

## MICROPHONE PLUG



Attractive, sturdy plug used with H8.555, HB-600, HB-600A, HA.650, HE-200, HB-525, A. B, C, HB-625, HE-207, HB-23, HA-750, and relsat 23 microphones. Four male prongs on one end with retaining cable clamp on the other end. Sturdy molded plastic body with plated metal housing. Slize: $5 / 8^{\prime \prime} 00 \times 11 / 2^{\prime \prime}$ overall. Imported. Shpg. wt., 4 oz.

## 99 T 6283

Net .99

## CRYSTAL SELECTOR SWITCH

Low loss, detent acting rotary sefector switch for 8 crystal selection. 51/2" total flatted shaft length. Flatted shaft for $1 / 4^{-}$ set screw knob. Used in Lafayette HE-20C, HE-43C, H8-111, and H8-200.
12 T 0921 Shpg. wt., 802. $\qquad$ Net 1.75 Rear Wafer for Above for Full 8 Channel Selection. Shpg. wt., 40 oz .
12 T 0922

RECEIVER ANTENNA COIL

Variable RF Antenna Coil for RF Input tank assembly, Inductlvely tuned by slug. 3 "t diam. x 1 " "L. For HE-29A only. Avg. $Q=80$.
99 I 6200 Shpg. wt., 407. $\qquad$ Net 59
RECEIVER OSCILLATOR COIL

Compact, slug-tuned receiver oscillator coll. Slug tuned to give resultant if frequency of 455 kHz Has tapped primary, plus secondary windings. K." diam. X K."L. Avg. $Q=80$.

99 T 6202 Shpg. wt., 402.

## 1st If TRANSFORMER

Subminiature If transformer. 455 KHz IF. Slug-tuned $\mathrm{xic}^{\prime \prime}$ Sq. $\times 1 / 0^{\prime \prime}$ High. Primary 70,000 ohms, secon dary 15000 ohms. Shpg. wt., 6 oz 99 T 6248

Net .65

## 2nd IF TRANSFORMER

Subminiature slug tuned 455 hHz transformer. Impedance: $50,00 \mathrm{U}$ ohm primary. 1,000 ohm secondary, Ke" sq. $x$ "K"H. Shpg. wt. 6 oz.
9 T 6249
Net .69

## 3rd If TRANSFORMER

Precision-bullt, subminiature 455 kHz If transformer. Slug-tuned, Primary 30,000 ohms; secondary 5,000 ohms. K" sq. $\times$ Ko" H. Shpg. wt. $60 z$.
99 T 6129 $\qquad$


## 1650 KHZ INTERMEDIATE FREQUENCY TRANSFORMERS

for use in any citizens band re. ceiver utilizing 1650 hHz If Frequency. $17 / 8 \times 3 / 4 \times 3 / 4^{\prime \prime}$. Complete with schematic. Used in HE-20 Series, HE. 43 Series, HB-111 Series, and HB-200 Series. 12 โ 0913 wt .8 oz .

Net $1 .{ }^{-19}$


## 1750 KHZ INTERMEDIATE

 FREQUENCY TRANSFORMER

For mounting bracket on Lafayette HB-444, HB-444/25, Comstat 23, Comstat 25, 25A Screwdriver slot on top. Shpg. wt., 4 Dz . 99 T 1183

## MICROPHONE <br> MOUNTING CLIP

Standard microphone mounting clip. Accommodates most stud mounting CB and Ham microphones. Attaches to metal case or dash board with 2 screws. Wt., 402.
99 T 3184 $\qquad$


# Improve Your Citizen Band Performance 

lafayette cb low pass filter


Made in U.S.A.

795 - Avoid TV Set | Interference |
| :--- |
| - 50 do Attenuation of |
| Radiaterd Spurious |
| and Undesirable |
| signals! |

- Simple Installation Designed to effectively reduce TVI which may be eminating from your CB transmitter. This professional quality fiter attenuates radlated spurious and other undesirable harmonic signals higher than 50 MC approximately 50 db or more; Minimizes interference with your own or your neighbor's TV set. Simple to Install with two built-in \$0-239 connectors. Just place unit between trans. mitter and antenna. Impedance is $50-75$ ohms and connections may be reversed for same impedance match. Max. power rating is 100 watts. Very well constructed with spot-weided case and finished in dark metallic grey. Size: $5 \times 2 \times 13 / /^{\prime \prime}$. Shpg. wt., $11 / 2$ lbs. 42 T 0123

LAFAYETTE AUTO-MARINE ENGINE NOISE SUPPRESSOR KIT


- A Must for Mobile CB and Ham Operators
- 13 Components Plus Shielded Cable, Bonding Strap and All Mounting Hardware
Easily installed hit will effectively suppress nolse and interference created by the operation of electrical equipment in your car or boat such as spark plugs, circuit breakers, coils, generators, regulators, or distributor assemblies. Consists of 8-spark plug suppressors; 1-distributor suppressor; 12. ft . shielded cable; 18 -inch bonding strap, $1 / 4$ "-wide, 4 -coaxial capacitors. All necessary hardware and complete instructions for installation are included. Shpg. wh. 2 lbs . 42 T 0905


## generator noise filter

- Freq. Range 3.30 mHz
- Simple to Install - Adjustable
 Enables quiet recelver operation for Citizens Band, Amateur and indus. trial frequencies. Stand. ard frequency range $3-30$ MHz . Maximum current 25 amps. Imported.
9916018 Snpg. wt., 1 1t. Net 2.29


## VOLTAGE REGULATOR FILIER



Eliminates nolses in communication receivers caused by points in voltage regulator. Not voltage or frequency critical-no tuning required, Wt., 8 oz. 42 T 8901

Net 2.95

## ALTERNATOR NOISE FILTER



A highly effective filter for alternator equipped automobiles. Attenuates alternator noise by 50 db . Can operate up to 32 volts DC. Results in quiet mobile receiver operation. Shpg. wt., 8 oz .
42 T 4900
Net 3.29

## TUNEABLE ALTERNATOR FILTER

Exceptionally efficient replacement for CB vibrators, as well as for vibrators used in Amateur and communications equipment rated up to 85 -watt consumption. Avallable in POSITIVE Model and in NEGATIVE Model. For 12 Volt operation only. Shpg. wt. 1 it. Quiat-Com Positive Model
Replaces vibrators with Pin 1 Positive.
42 T 0121 Positive Quiat-Com .......... Net 6.95
Quiat-Com Negative Model
Replaces vibrators with Pin 1 Negative. 42 T 0122 Negative Quiat - Com

Net 6.95

## MOBILE BURGLAR ALARM FOR CB TRANSCEIVERS



Prevent Theft of Your Transceiver

\author{

- Solid State Integrated Circuit For 12 V. Neg or Pos Ground
}

Protect your CB equipment. Burglar alarm connects to your horn and CB Transceiver. Horn automatically blows when someone tries to steal your CB unit. Two-way switch permits you to remove your transcelver without sounding alarm. Features reliable, solidstate IC circuitry. Complete with instruc. tions, wire and mounting hardware. Snpg. wt. 302.
42 T 7101
Net 4.95

LAFAYETTE 6 TO 12-VOLT SOLID-STATE DC CONVERTER


- 1 Amp. Output
$19^{95}$

Great news for CB'ers with 6 VOC negative, or positive ground battery systems. Now you can install a mobile communications system using your present 6 VDC system. Operate your Lafayette HB-500, A. B, HB-600, A, B, HB-525, A, B, C, HB-625, HE-20T, Telsat 23 , HB-23 and any other solid state CB transceiver drawing less than 1 Amp during transmission. This unit will fit neatly under the dashboard, or on the firewall. Attractive minlature remote control panel with on off switch and pilot light indicator. Slze 51 Kax $41 / 9 \times 21 / 4{ }^{\prime}$. Imported.
99 I 3084 Snpg. wt., $41 / 2 \mathrm{lbs}$. Net 19.95


## Only $5^{99}$

Designed for ultimate in mobile alternator nolse suppression. Can also be used with Amateur and Business Band mobile rigs. Tunes 2260 Mcs. Adjustable frequency trimmer rating 52 amps continuous. Shpr. wt., $21 / 2$ lbs. 42 T $4402 \ldots$ Nef 5.99

## FEEO-THRU NOISE SUPPRESSORS



These 3 -terminal network feedthru capacitors act as extremely effective R.F. filters above 2MC. Eliminates and suppresses the majority of nolses due to regulators and generators interfer. ing with 27 MC citizens band frequencies Rated .1 MFD/600 Volts DC 20 Amps.
Feed.Thru Suppressor (Screw Terminals) 1/10 Diam. x $1^{1} K_{6}$ length. Shpg. wt., 4 0z. 42 T 0922 Feed-Thry Suppressor 1K Dlam. Net .95 length. Shpg. wt. 402.
42 T 0923
Net .95

## NOISE SUPPRESSOR KITS



For all 6 and 8 cyilinder cars to suppress wide band pulse noise created by the distributor, spart plugs and generator "hash". Includes sparkplug suppressors, generator and light or ammeter by-pass capacitors. Complete with easy installation instructions. Shpg wt. $6 \mathbf{~ o z}$.
11 T 7105 for 6 -cylinder cars _......Net 2.39 11 T 7105 for 8 -cylinder cars Net 2.69

# LAFFYEETE-Headquarters for CB Accessories \& Equipment 

## LAFAYETTE CB NUVISTOR PREAMPLIFIER



- Improve Receiver Gain, Noise $10^{95}$ Figure, Spurious Signal Rejection \& Made in Image Rejection
- Designed Especially for the CB Band
Can be added to virtually any CB transceiver to improve gain and noise figure. Covers a frequency range of 26.96 to 27.225 MC and employs a nuvistor tube in a neutrafized cir. cuit. Tuned clicuitry is employed for both the grid and plate. Gain is 20 db and noise figure of 2.0 db at 27MC. Power requirements are 6.3 volts at 135 ma . and $100-250$ volts $D C$ at 8 ma . Only $21 / 2 \times 31 / 2 \times 142^{\prime \prime}$. Shpg. wt., 2 lbs.
42 T 0127
Net 10.95


## E. F. JOHNSON ANTENNA METER AND CB MATCHBOX


(A)CB Matchbox
(B)

Antenna Meter

Deluxe antenna instruments for correcting and measuring mobile or base station CB antenna systems. Units connect between CB transceiver and antenna transmission line.

[^13]
## NEW AMECO CB TRANSCEIVER RF PREAMPLIFIER


"Features Automatic
"ON THE AIR" Sign

## Only 4995

No Moaey Down

- FET Transistor Amplifier
- Improve Receiver Sensitivity
- Con rects to CB Transceiver Nc Modification Required

Model "PCB" solid-state preamplifler improves sersitivity, increases gain of receiver sectlon of transceiver over 20 db . Improves signal-to-moise ratio. Automatic switching bypasses preamplifier when transmitting. Bullt-in gain control increases immunity to front-end overload. "ON THE AIR" sign automatically lights when transmitting. Power switch controls entire station. Allows convenient connection of auxiliary receiver. venient connection of auxilary receive
Size: $71 / 2 \times 31 / 4 \times 41 / 2^{\prime \prime}$. Shpg. wt., 3 lbs . 42 I $6909 \$ 5$ Monthly $\quad$ Net 49.95

## NEW EICO 715 "TRANS/MATCH" HAM/CB TRANSCEIVER TEST SET



## 

New self-powered "TRANS/MATCH" is a Professional test set that's designed for complete checking of both ham and CB equipment. Reliable. compact. portable, quick and easy to use, it enables you to obtain maximum results from your ham or CB transceiver or transmitter. Measure R.F. power to 50 watts and Standing Wave Ratio (Forward and Reflected power). Features a direct reading field strength meter sensitive to 100 microamps for accurate readings. Specifications: SWR; 1-30, True RF Power Range; 10 watts and 50 watts. Modulation percentage; $0.100 \%$, headphone jack output, Relative field strength; 1.10 . Scuff resistant vinyl finish case, extruded aluminum polished panel. Size: $47 / 8 x$ $81 / 9 \times 31 / 2^{\prime \prime}$. Shpg. wt., 5 lbs.
40 T 7423715 KIT- $\$ 5$ mo.
Net 39.95
40 T 742 a 715 WIRED-\$5 mo. - Net 59.95

## NEW 2-POSITION ANTENNA COAXIAL SWITCH

## Only <br>  <br> - For Ham or CB Use - Rated At 1 KW AM, 2 KW PEP SSB

CBer's and Hams can stop reaching behind their rigs, wasting time and missing calls switching antenna reads. With this quality coaxial switch antenna turn the knob and instantly change from one anterna to another. Size: $21 / 2 \times 11 / 4^{*}$. Snpg. wt. 1 lb.
42 个 2102
Net 5.95


## SOLID STATE CB TRANSCEIVER/AM RADIO BASE STATION

Conly
$29^{95}$
with mike, headphone, and batteries
(No FCC License Required)


- Tuneable On All 23 Citizen Band Channels
- Crystal Control Transmit Up To 1 Mile on Channel 9
- Built-in Quality AM Radio - Built-in Practice Code Key

Excitement for every member of the famlly. Actually a 100 milllwatt CB base station transceiver, quality AM radio and practice code oscillator in a compact. attract ve, professional siyled cabinet. C8 transceiver section has tuneable super. heterodyne receive for all 23 channels, and is crystal-controlled to transmit on channel 9. Built-in telescoping antenna.
specifications: 10 transistors, 1 diode, 1 thermistor; Max. Audio Output: 200 MW ; RF Power input: 100 MW ; AM Radio tunes 54 to 1600 kHz . Operates on $6^{\text {" }} \mathrm{D}$ " type batteries. includes microphone, headphone, and batteries. Imported. Size: $121 / 2 \times 51 / 4 \times 6^{\prime \prime} \mathrm{D}$. Shpr. wt., 5 lbs.
17 T 7833 W
99 T 6256 "Extra " $D$ " Batteries Net ea. . 15

# Quality Hy-Gain Base Station and Mobile Antennas 

## DELUXE HY GAIN MODEL CLR/II BASE STATION ANTENNA

> Only
$32^{95} \begin{gathered}\text { No Money } \\ \text { Down }\end{gathered}$

\author{

- Electrically Extended S/a" Wave Length Radiator
}
- Delivers 8 DB Circuit Gain

Deluxe colinear ground plane antenna. Rugged base mounting assembly insures survival in winds up to 100 MPH. Maximum ( 20 ft .) Radiator develops greatest possible gain. 3.4 db in measured field strength intensity plus improvement in signal/noise ratio resulting from vertical element being at DC ground. Total circuit gain In excess of 8 db . oc ground feature protects antenna and equipment from lightning damage. Element material top quality aluminum tubing $11 / 4^{*}$ to $3 / 8^{*}$. All seamless tubing. Mount on mast $1^{" \prime}$ to $1 \%{ }^{*}$ ". SWR less than 1.2:1. fed with 52 ohm coax. Shpg. wt., 10 lbs.
$42 \mathrm{~T} 3501 \mathrm{WX} \$ 5$ monthly $\qquad$ Net 32.95
PH-1 CO-PHASER makes possible the simple installation of a phased array of two CLR/11 antennas. Adds 4.5 db gain and doubles the effective radiating power. Shpg. wt., 4 lbs.
42 T 3502
Net 14.55

## NEW HY-GAIN SUPER DUO BEAM SDB6 BASE STATION CB ANTENNA

- Provides Power Multiplication Of 13 Times Your Transceiver Power


6 -element twin driven rotable beam antenna concentrates your entire signal in a single narrow beam... and directs it with pinpoint accuracy. Extra heavy-duty wall tubing in 3 sections, plus heavy duty boom-tomast clamp with tiltable feature for easy installation. 12 ft . booms and 14 ft cross booms. Forward gain is in excess of 12 db , and front-to-back ratio is 15 db . SWR is $1.5 / 1$ or better. Impedance is 50 ohms. Beam can be rotated with any heavy duty TV rotator. Supplied complete with phas. ing hamess and all mounting hardware. Shpg. wt. 36 tbs. 42 \} 3515wX $\$ 5$ Monthly

Net 78.95

## hY-gAin "hellcat" mobile antennas



## As Low As 1495

[A "HELLCAT 2"ROOF TOP MOUNT AMTEMMA. Base loaded, and al most impervious to damage. The extremely short, strong, lightweight stainless steel tip rod provides very flexible capability to withstand garages and low hanging obstacles. Only 23 inches high. Complete with 22' of coar and connector.
42 T 3516 W Shpg. wt., 2 lbs. $\qquad$ Net 14.95
[] "HELLCAT 3" MAGNET Antenma. Magnetically mounted in an instant and requires no holes or tools. You'll lalk loud and clear with a low SWR on all 23-channels. Complete with $16^{\circ}$ of coax and with a low SWR on all 23 -channel.
connector. Overall helght is $34 \% 6^{\prime \prime}$.
42 T 3517 W Shpg. Wt., $31 / 2 \mathrm{lbs}$.
Net 16.95
[] "HELLCAT 4" TRUNK MOUNT AMTENNA. Mounts easily and quickly on the Hp of your trunk lid. Is base loaded with an etched copper coll, giving a very low SWR on alf 23 channels. With 22' coax and connector. Overall height $47 \%$.
42 T 3518 w shpg. wt., $31 / 2 \mathrm{lbs}$.
Net 18.85
D "HELLCAT 9"' MARINE AMTENMA. Gives optimum performance mounted on fiberglass or wooden boat. Does not require a ground plane. Operates as a $1 / 2$ wave antenna and provides a very high radiation efficiency compared to other $1 / 4$ wave antennas. Mounts with a single $3 \mathbf{H}^{* *}$ hole. With tuning unit, $22^{\circ}$ coax and connector. Overall height 5812**.
42 T 351 9W Shpg. wt., 4 lbs. $\qquad$ Net 26.85
[ ${ }^{2}$ "HELLCAT 6" CAMPER ANO TRAILER ANTENMA. Installs quickly and easlily on all types of campers and house traliers. Mounting bracket is complete with low profile base and. chrome plated brass automatic fold-over, providing necessary mechanical protection. With $22^{\circ}$ coax and connector. Overall height $47^{\prime \prime}$. 42 T 3520 w Stpg. wt., $31 / 2$ lbs.

## SELECTED CB ANTENNAS AND ACCESSORIES

## 10 FT. HEAVY DUTY ALUMINUM MAST

for mounting all CB Base Station antennas. Heavy gauge aluminum, $1 / 8^{\prime \prime}$ wall thickness. O.D. is $11 / 2^{\prime \prime}$. Length 10 ft . Shpg. wt., 6 libs.
18 T5S26wx $\qquad$ Net 7.25

## LAFAYETTE COILED CB MICROPHONE CABLE



- Extends To 5 Feet
- Retracts To 10 Inches
- 3 Conductor plus Shield

A durable coiled cord having three conductors, one of which is shielded. Each conductor Is vinyl insulated. All leads are 3" with $1 / 2^{*}$ strlpped and tinned. Perfect communication replacement cord. Imported. 99 T 4601 Shpg. wt., 7 oz. Net 1.29

SEE PAGES 480 THRU 492
FOR LAFAYETTE'S COMPLETE SELECTION OF CITIZEN
BAND ACCESSORIES \& ANTENNAS

RF COAXIAL CONNECTORS


Steck Me. Fig. Type
42 T6903 A PL-259

42 T 6904 C UG-175/U

42 T 6905 B PL-258
Description Net
Male conn- For
direct connection
into transceiver or antenna
Reducer-Adapts PL-259 to RG.58/ U Diam. Junction Adapter -Accepts PL-259 on both ends for cable extension $A$

CB CONNECTOR ADAPTERS

(4) Adapts from an auto antenna plug (Motorola type) to an SO .239 socket. Wi., 4 oz . 42 T 2201

Net .ss
[B] Adapts from PL-259 plug to a standard auto radio antenna jack (Motorola type). $40 z$. 42 T 2202 Shpg. wi., 4 oz. 4 .15 A

CB SIGNAL-HUNTER DIRECTION-FINDING
 $12^{25}$

- Track Down CB Interference - Locate Stations in Distress
- Plugs Into Your CB Set

Tracks down sources of CB interference, TVI, stranded motorists, boats in distress, unknown transmitters, etc. Mounts with suction cup and bracket. Tunes quickly with knob on loop. Indications are made on receiver's $S$ meter and volume output as loop is rotated. Can be used for transmitting over short distances. 8 ft . cable permits mounting on either side of the car. 50 ohms impedance. Complete with PL-259 connector and RG-58/U cable. Shpg. wt., $41 / 2 \mathrm{lbs}$.
42 T 2101 w

# Antenna Specialists Citizen Band Antennas 

| NEW M-186 TYPHOON |
| :--- | :--- |
| IRRIDITE-CLAD 1/4 WAVE |
| CB GROUND PLANE ANTENNA |

42 T 1054W
Net 18.95
"SUPER MAGNUM"
MODEL M-117 1/2-WAVE CB BASE STATION ANTENNA

ANTENNA SPECIALISTS<br>M-180 ADJUSTABLE<br>GUTTER CLAMP MOBILE ANTENNA



Easily snaps on rain gutter of car! Swing. away base design permits instant lowering while seated in the car. Heavy duty, chrome plated mount has spring loaded position adjustment for $0^{\circ}, 45^{\circ}$ or $90^{\circ}$ mounting on either side of vehicle. Sleek black fiberglass center loaded whip is professionally deslgned for heavy-duty operation. Has all the things a CB'er would want in a mobile antenna: Ruggedness. reliability and high derformance. Shpg. wt. 5 lbs. 42 T 1052w

Net 17.95


## - Includes Separate Scan Control Unit

The "Scanner" is a multi-element directional antenna system eiectrically rotatable for a full $360^{\circ}$ in three $120^{\circ}$ steps. This is accomplished by use of the "Scanner's" separate electronic Scan Control unit. Compact array of 3 sector-phased $171 / 2 \mathrm{ft}$. vertical elements extend less than 3 feet from the mounting boom. Full circle scan coverageno blind spots. Resists over 100 mph winds. 7.75 of directional gain -23 db front to back ratio. Requires 4 -cond. rotor cable. Takes masts from $11 / 2^{\prime \prime}$ to $2^{\prime \prime}$. Shpg. wt. 17 lbs.
42 T 1029wx $\$ 5$ Monthly
Net 75.15
100 ft . coil of 4 -cond. rotor cable. 32 T 8910

Net 3.10

## M-90 96" FIBERGLASS WHIP

A $96^{\prime \prime}$ black fiberglas CB whlp antenna designed for use only on the 27-MC band. Mounting adapter consists of chrome plated brass ferrule with $3 / 8^{\mu}$. 24 male thread to fit standard base or spring. Shpg. wt. 1 lb. 42 T 1021 WX

Net 9.35 MOOEL M-3B 102" WHIP. Similar to M. 90 except stainless steel construction. Shpe.wt., 1 lb. 42 T1022wx

## M-168 MOBILE "GRIP-STICK" MAGNETIC ANTENNA

 Only 1525- Ideally Suited

For Temporary,
Emergency, or
Permanent Mounting - No "Installation"

Involved
No "Installation" involved. Merely place it on the ve. hicle-center of the rooftop, or back deck, run cable thru window or trunk (under seats) to CB radio. Stainless steel whip, anodized aluminum base. black phenolic insulator, and grey center loading coll. VSWR under $1.5: 1$. With 16 ft . coaxial cable and PL-259 connector. Shpg. wt., 1 1/2 lbs.
42 T 1048w ............ Net 18.25

## "QUICK-GRIP" MOBILE ANTENNAS



- 2 New Models Incorporate "Quick-Grip" Trunk Mount No Holes to Drill - Simple Installation, Mounted in Seconds
[A] MODEL M-175. Base Loaded Antenna with attractive gray jacket and chrome end fittings. Stainiess steel whip. Whip adapter provides $144^{\prime \prime}$ adjustment for extra fine tuning. "Quick-Grip" mount. Solderless lead connection with PL-259 at set end of 16 foot coaxial cable. Shpg. wt., 1 lb. 42 T 1049w

Net 19.96
[B] MODEL M-177. Just $20^{\circ}$ long. Includes center loading coil, stainless steel spring and beautifui black phenolic base. Qulckgrip mount. Solderless lead connection with PL-259 at set end of $16^{\prime}$ coaxial cable
42 f 105iw Shpg. wt., 1 lb.
Net 18.95

## NEW M-178 "STICK-SHIFT" MOBILE MAGNET ANTENNA

## Only



For temporary or permanent mo. bile applications. Powerful mag. net reature lets user shift position of antenna or change from one vehicle to another. Triple chrome plated metal base. Fine tuning adjustment, VSWR 1.5:1 or bet. ter, $38^{\prime \prime}$ stainless steel whip with 16 ft . RG-58/U cable termination in PL 259 connector. Shpg. wt., 2 lbs.
42 Y 1053w
Net 14.60

# LaFAYETTE CB Replacement Antennas \& Accessories <br> lafayette mobile am to cb 

antenna converter

Oniy
$6^{95}$

- 1 Antenna Now Does the Job of 2 Antennas
- Converts Any AM Automobile Antenna to a Highly Efficient Combination CB and AM Antenna

Specially designed Lafayette AM to CB, antenna converter consisting of a weatherproof loading coil with a universal mount and adjustable matching $71 / 4^{\prime \prime}$ stub. Covers entire 27 MC Citizens Band. Easily attaches to your existing $A M$ automobile antenna. includes dividing harness which couples your new combination AM and CB antenna directly to your Citizens Band Transceiver and AM auto radio. Imported. Shpg. wt., 2 lbs.
9973116
Net 6.95

## LAFAYETTE LIGHTNING PROTECTOR

## $3^{95}$



Designed to fit any standard coaxial cable. Employs the spark gap principle to eliminate static build up on coaxial cables. Provides a constant drain off, reducing chances of a direct lightning strike and in many cases eliminating noise problems. Constructed of $1 / 4^{\prime \prime} 0.0$. brass by $21 / 4^{\prime \prime}$ long. Employs one PL-259 dluz and one DKCB connector.
Wt. 1 lb.
42 T 2001
Net 3.95

## DELUXE UNIVERSAL bASE LOADED CB WALKIE-TALKIE ANTENNA


lafayette center-loaded fiberglass CB COWL MOUNT ANTENNA - With $5^{\prime}$ of Cable Only $>50$ - Easily Mounts On Cowl or Rear Deck
Only 48" high but performs like 102" antennas. Designed for cowl mount. ing. provides an excellent radiation pattern. Substitutes for conventional 1/4 wave whips as well as base-loaded antennas in the 27 mc band. The four foot whip eliminates the possibility of striking overhead objects. Specially designed rocker support assures 8 .point grounding and permits mounting up to $35^{\circ}$ angle on fender cowl or rear deck - Fits any ${ }^{15 \%}$." to $11 / /^{\prime \prime}$ mounting hole. Complete with 5 ft . of RC-58/U cable. Shpg. wt., 3 lbs.

## 42 T 0112 W

Net 7.50

## UNIVERSAL LAFAYETTE MOBILE CB ANTENNA ACCESSORIES

CHROME PLATED SWIVEL BALL MOUNT BASE. Can be mounted vertically or horizontally. With lug terminals. Imported. Shpg. wt. 3 lbs. 99 it 3030

Net 1.95
heaw outy chrome plated Stainless steel spring. Provide maximum support for long whips and heavy centerfoaded whips. Imported.
99 T 3036 Wt. 2 lb
. Net 2.79


## LAFAYETTE CITIZENS BAND

 27 MHz COLLAPSIBLE ANTENNRIdeal for mobile or fixed transceivers, minia. ture portable and pocket transistor radios. and a host of similar applications. The 4 -section antenna is made of chrome-plated brass and plugs into a jack. Measures $48^{\prime \prime}$ fully extended and retracted is $11^{\prime \prime}$ to facilitate carrying in pocket. Complete with a flexible plastic case and slip under protecting flap. Imoorted. 99 T 3005 Shpg. Wi., 8 ot Net .79

LaFAYETTE CENTER-LOADED CB WHIP ANTENNA
Only
395

- For Base Station or Portable Use
- Adjustable Whip Stub

Sturdy, attractive, portable chrome plated center loaded whip antenna. Terminates in a PL. 259 connector. Adjustable whip is $11 / \mathrm{K}_{0}$ " in length. Also provided is an additional whip stub, $12 \%_{s}{ }^{\prime \prime}$ total length. Center loading coil is completely weather-proof. Imported. Shpg. wt., 1 lb .
99 § 3189 Net 3.95

## LAFAYETTE CHROME PLATED

 MOBILE BUMPER MOUNT
## with Stainless Steel Strap

- Completely Adjustable For Use with Most Types of Automobile Bumpers
- Highly Reliable and Durable!

Featuring chrome plated mount and stainless steel strap which is completely adjustable for vertical mounting on most types of automobile bumpers. Eliminates need of cumber. some link trde chain mounts. Wt.. $11 / 2$ lbs. 99 T 3035 Imported

## LAFAYETTE "DUMMY" ANTENNA LOAO FOR CB TRANSCEIVERS

## 149

A 52 ohm non-inductive load for testing and tuning-up Citizens Band transmitters up to 5 watts. Built into PL259 coaxial plug. Shpg. wt. 1 tb.
42 T 0902
Net 1.45

## LAFAYETTE Citizens Band Walkie-Talkie Antenna Replacement Guide

- Fits All Lafayette and Many famous name Walkie-Talkies Designed for the various Lafayette "Walkie-Talkie" portable CB Transceivers in dicated. Will also fit many of the other "Walkie-Talkie" units manufactured by companies other than Lafayette. Check the specs of the antennas listed on the chart below for the antenna best suited to your present "Walkie-Talkie" All measurements are in inches. Imported. Average shog. wt., 1 it.

| Antenna <br> Stock No. | Sections |  | Col. lapsed length | Extended Length | For LAFAVETTE Walkie-Talkie Medel | Net E. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 9973008 | 12 | 1/2 | 6 | 523/4 | HE-29. HE-298 | 1.95 |
| 9973111 | 11 | '13818 | 5\% | $511 / 4$ | HE-290 | 1.95 |
| 99 「 3037 | 11 | 1/2 | 61/4 | 541/2 | HA-60. HA-61, HE-86, HE-88, HA-100, 100A, 1008 | 1.95 |
| 9973038 | 9 | 1/60 | 71/4 | 521/4 | HE-25, HE-88, HA. 711 | 1.95 |
| 9973039 | 11 | \% | 53/4 | 50 | HE-66, HE-82, HE-83 | 1.95 |
| 9973040 | 9 | \% | 57/8 | 431/4 | HA-70 | . 98 |
| 9973112 | 8 | \% | 57/3 | 361/2 | HA.70B, HA.70C | . 98 |
| 9973041 | 11 | \% | $53 / 4$ | 51 | HE-29C | 1.95 |
| 9973113 | 11 | 枹 | 456 | 38 | HA.130, HA-130A | 1.49 |
| 9913114 | 6 | 1/4 | 6 | 30 | GT-3 | . 98 |
| 9973017 | 10 | \% | 7 | 58 | HA-150 | 1.95 |
| 9973007 | 11 | \% 16 | 71/4 | 623/4 | HA-300, HA.300A | 2.25 |
| 9973115 | 11 | \% | 7 | 58 | HA.99. HA. 303 | 2.95 |
| 99 I 3137 | 9 | \% | 714 | 54 | HA-62 | 1.49 |
| 99 I 3138 | 11 | \% | 7 | 58 | HA. 3008 | 2.25 |
| 99 I 3202 | 8 | K | $71 / 4$ | 491/4 | HA. 132 | 1.95 |
| 99 T 3203 | 9 | \% | 73/4 | 55 | HA-73A | 1.95 |
| 99 I 3204 | 11 | 30 | 6 | 49 | HA.73, HA-305, HE-210A | 1.95 |
| 9973205 | 10 | 3\% | 7 | 55 | Dyna-com 2 2A, 3 and 3A | 2.95 |
| 99 Y 3206 | 10 | 3/4 | 83/4 | $671 / 2$ | Dyna-com 5 and 6, H8-506 | 3.95 |

# Selected CB <br> Antennas, Mounts, and Rotors 

NEW LAFAYETTE LOW COST
1/4 WAVE GROUND PLANE ANTENNA

## ELENEX "TIGER TAIL" PORTABLE BASE STATION ANTENNA Only $29^{35}$ <br> with 12 coaxial cable

- Built-In Power Meter
- Ideal For Office Building, Apartments And Emergency Use
high intensity, low angle, stain less steel $1 / 4$ wave whip with tunable center loading Ferrite core coil and buit-in reflected power meter. Designed to permit quick Instaliation for portable or semi-portable requirements. Conveniently located tuning knob easily tunes coll for best antenna resonance on all CB channels in virtually any surroundings. Builtin matching coil assures perfect match of antenna to transmission line. Adjustable, heavy gauge atuminum mounting bracket mounts to windows. door frames, boats. trailers, etc. Antenna base and meter case construsted of rug. Red aluminum. Complete with 12 coaxial cable and connector. overall length $51^{\prime \prime}$. Shpg. wt.. $31 / 2 \mathrm{lbs}$. 42 T 4301w

Net 29.35
CUSHCRAFT "RINGO" 1/2 WAVE
VERTICAL CB FIXED ANTENNA

## $18^{95}$

- 3.75 db gain
- Covers All 23 Channels with 1:1 SWR
A new Citizen Band vertical antenna with power ring tuning for amazing full circle gain. Power ring gives a perfect match between antenna and feed cable to utilize all available transmitter power. Construction is all . 049 wall aluminum tubing with solid hold telescope clamps and phe. nolic base insulator. Designed for 52 ohm direct coaxial feed. Overall height: $17^{\prime} 10^{\prime \prime}$. Direct DC ground to eliminate statte discharge noise and lightning hazard. Shpg. wt. 10 lbs. 42 T 2002 WX .............Net 18.95


## MOSLEY FLUSH MOUNT COAX TERMINATING OUTLETS

A


c


Designed for CB. Amateur Band and all busl. ness band radios. Termination for antenna coax and rotor cables in a flush wall oullet. Attractive molded Ivory Dlastic does away with unsightly stragrling leads. Easy to install. makes positive connection. Shpg. wt. 6 02.
Stech No. Fig. Mosley No. Type of outlet Net 42 T 5105 Not Ill. C-1PK Single S0-239 2.27 42 T 5106 A C.2PK Double SO-239 4.08 42 T 5107 B CR-4PK Single SO-239 3.54 4 wire rotor socket
42 T 510 C CR-8PK Single SO-239 4.02

## NEW AVANTI "ASTRO PLANE" baSE STATION ANTENNA

## $29^{95}$

- Packs Maximum Signal Strength At Most Efficient Position
- Full Omnidirectional Signal
"Astro-Plane" base station antenna provides full omni-directional communications. Its re. volutionary design con centrates signal power
 on top for maximum, efficient operation. Heavy duty aluminum construction with corrosion resistant fittings, including solderless coax connector, assure a long, trouble free life. Double bracing withstands 120 mph winds. Impedance: 50 ohms; SWR: less than $1.4 / 1$; power gain: 4 db ; length: $12^{\prime}$. Can be mounted on a single mast up to $11 / 2{ }^{2}$. Shpg. wt., 4 lbs .
42 T 3401\% Net 29.55


## MOSLEY WEATHERGUARD ANTENNA COMT

Only

## 12

Fast drying, clear coating compound protects againsl corrosive action of salt, water, moisture, and ultra violet radiation. Will not discolor antenna. Applies easily with 2 brush. Shpg. wt., 1 lb.
42 T 5111
Net 1.24


1. MODEL - 191 . Double Chain Bumper Whount. Cadmium plated alloy steel interlockIng " 2 " links assure a secure mounting for spring, extension, coil and whip. Mount accepts $3 / 8$ " -24 thread of sping or whip. Shpg. wt., 2 lbs. 42 H 1010

Net 9.20
B Model M147 Stainless Ste el Bumper Strap Mount. No holes - easily adjusted, holds tight. Includes 2 heavy duty stainless straps. tension adjusted by screws in each strap. Ample adjustment provides extreme angle mountings on virtually all vehicles.
4211039 Shpg. wt., 4 lbs.
Net 12.00
C. Model M-4 - whip hold-down

82 T 1019 Shpg. wt., $1 / 2 \mathrm{lb}$........Net
M-161-QUICK GRIP MOUNT
No Holes to Drill
Standard trunk-lid mount ac cepts all $\mathrm{H}^{\prime \prime}$ snap-in-type antennas. No holes to drill. Triple chrome plating water resistant body seal.
42 T 1047 Shpg. wt.. 1 lb.

## LAFAYETTE Base Station Citizens Band Antennas <br> Deluxe LaFAYETTE 5 Element Citizen Band Beam Antenna <br>  <br> Check these outstanding specifications <br> ELECTRICAL <br> - GAIN: 10db Forward <br> - F-B ratio: 25 db <br> - V.S.W.R. under 1.5:1 across 27 MHz Band <br> - Gamma Matched to 52 ohm Coax Transmission Lines <br> MECHANICAL <br> - Boom Length $17^{\circ}$ <br> - Height: $18^{\circ} 6^{\prime \prime}$ <br> - Turning Radius: $8^{\prime} 6^{\prime \prime}$ <br> - Mounts on Masts up to $2^{*}$ in diameter <br> - All aluminum construction Deluxe 5 Element vertical beam is one of the most powerful CB antennas ever offered by Lafayette. Tremendous forward gain multiplies your effective radiated power by as much as 10 times. Front to-back ratio 25 db . V.S.W.R. under 1.5:1. Gamma matched to 52 ohm coax-transmission lines. All aluminum construction for greater weather resistance. Boom length 17 ft . Reflector element (highest $181 / 2$ feet). Mounts on masts up to $2^{\prime \prime}$ in diameter. Turning radius $8^{\prime} 6^{\prime \prime}$. Vertical wind load 125 Ibs. Fumished with complete mounting instructions. Less mast and coax cable. Shpg. wt., 15 lbs. <br> 42 I 0114wx $\$ 5$ Monthly <br> Net 39.95

## LAFAYETTE "RANGE-BOOST/II"TM END FED 1/2-WAVE CB ANTENNA

## DELUXE HEAVY DUTY LAFAYETTE 4 ELEMENT GROUND PLANE ANTENNA

 Only

- The Ideal Antenna for Your CB Base Station
- High Efficiency Ground Plane Antenna
- All Aluminum Construction
- Accepts PL-259 Connector

Solid aluminum $108^{\prime \prime}$ heat-treated radials and radiator. Elements supplied in two 54" lengths joined by threaded coupling nuts. Radial droop for 50 ohm match. Accepts $11 / a^{* \prime}$ tubing, RG-58/U cable and PL-259 connector. Less mast and coax. Imported. Shpg. wt. 4 lbs. 99 T3031w

Net 10.95

- 3.75 db True Omni-Directional Gain - VSWR-1.17-1
- Signal to Noise Improvement of 6.20 db The "Range Boost/11" $1 / 2$-wave CB base station antenna is one of the most popular of Lafayette's famous line of high performance CB antennas. Specially designed antistatic cloverleaf ball drastically reduces receiver noise by continuous dissipation of static discharge. Offers a 3.75 db true omni-directional gain. Tremendous signal to noise ratio improvement of $6-20 \mathrm{db}$ giving you very clean reception. VSWR is 1.17 -1. Includes a phasing transformer, rubber covered for moisture resistance. Vertical radiator consists of 3 seamless aluminum tube sections topped by a solid aluminum $108^{-1}$ top section. 3 54- radials provide proper transmission line decoupling. New heavy duty mounting bracket. Direct ground Hightning protection. 50 onm. $17^{\prime} 6^{\circ}$ over-all length. Accepts up to $11 / 2^{*}$. masts PL- 259 cable connector. Shpg. wt. Less mast and coax. 610 .
42 T 014世木
Net 19.95


## POLYFOAM COAX CABLE ASSEMBLY

- For Base Station Applications

Complete transmission line packages designed for better CB operating efficiency. The polyfoam dielectric insures low llne loss important in 850 getting the most from your base station. Ready to use. PL-259 connectors on both ends.

| Stock No. | Type | Length | Wt. | Net |
| :--- | :---: | ---: | :---: | ---: |
| 42 T0510 | RG8/U-50 ohms | 50 ft | 7 lbs. | $\mathbf{e . 5 0}$ |
| 42 T 0911 | RG8/U.50 ohms | 100 ft. | 11 lbs. | 14.95 |
|  |  |  |  |  |

H

## LAFAYETTE'S 3-ELEMENT VERTICAL BEAM CB ANTENNA

## 1795 - Multiplies Power 8 Times

- Completely Precision Tuned and Ready to Assemble
MADE IN and Install
U.S.A. - Steel Parts Irridite Treated to MIL Specs

An exceptionally high gain, directional antenna system for Citizen's Band communications. It develops a forward gain of 8 db . Front-toback ratio is 25 db ; front-to-side, 40 db .50 ohm feedline match for maximum efficiency. Comes with bracket for vertical or horizontal mounting. The $11 / a^{\prime \prime} 0.0$. aluminum boom is 8 feet long. $5 /{ }^{\circ}$ " to $7 / 0^{\circ} 0.0$. aluminum elements are approximately $161 / 2 \mathrm{ft}$. long. All steel hardware is irridite treated to MIL specs. Accepts up to $112 z^{\prime \prime}$ mast. Completely factory pretuned. Furnished with simple mounting instructions. Less mast and coax cable. Shpg. wt.. 7 lbs.
42 T 0113WX
Net 17.95


Deluxe mounting kit for base station conslsts of: Blitzbug Lightning Arrestor, 50 ft . ground wire, angle base and roof mount-works on any surface - akes masts up to $21 / /^{*} 0.0$. $50^{\circ}$ of steel guy wire, 3 steel turnbuckles, 3 way guy wire clamps, package of 3 open eye bolts. (Kit comes less mast.) Shpg. wt., 6 lbs.
42 T 0130 m
Net 6.99
10 ft .16 gauge Gold Kote steel mast-11/4"0.0. Shpg. wt., 8 ib.
18 T S328wx

# LAFAYETTE Mobile Citizens Band Antennas 

## LAFAYETTE STAINLESS STEEL CB MOBILE ANTENNA

- 102" Stainless Steel Whip For Optimum 11-Meter Performance

Only

- Heavy-Duty Cadmium Plated Steel Spring
- Aluminum Swivel Ball Jointed Mount Base

Aluminum swivel mount base designed to be mounted on any surface. Plated steel spring holds rod in properly adjusted position and prevents rod damage from shocks and blows. Stainless steel whip for resillency and strength. Less cable. Has lug terminals for 42 Y 7002 cable assembly. Imported. Shpg. wt., 4 lbs. 99 T 3034WX

## LAFAYETTE CENTER-LOADED

 MOBILE CB GUTTER CLAMP ANTENNA- Easily Snaps on Rain Gutter or automobile
- Offers Outstanding 11 Meter Performance
- Portable-Easily Removable When Not In Use-Prevents Theft or Damage

Portable center-loaded CB antenna is ideal for the CB'er. Easily removable when not in use-prevents theft or damage. Gutter clamp snaps on rain gutter of automobile. Heavy
 95

## DELUXE LAFAYETTE HEAVY-DUTY MOBILE CB-AM ANTENNA

- One Antenna Does the Job of Two
- Low Loss Cables
- All Connections Under Dash

Deluxe Cowl mounted antenna doubles for Citizens Band and broadcast reception. Eliminates two antennas on your car. Sturdy construction with heavy chrome plate. $46^{\circ}$ long collapsing to $31^{\prime \prime}$. Fits the $7 / 8^{\prime \prime}$ to $1 K_{6}^{\prime \prime}$ space left by auto antenna. Includes automatic dividing har ness, $1^{\circ}$ cable to $A M$ set, $2^{\prime}$ cable to $C B$ ris and $5^{\circ}$ cable with PL- 259 plug to antenna. Small divider unit fits under dash. Imported. Shpg. wt., 4 lbs. 99 T 3060w

Net 7.95

## LAFAYETTE BASE LOADED TRUNK MOUNTED MOBILE ANTENNA

- No Visible Holes in Car
- Trunk Groove Mount
- Installs in Seconds

- Phasing Transformer Completely Weatherproof
- 39" Stainless Steel Whip

Exciting mobile antenna from Lafayette permits the CB'er to mount his antenna without any visible holes on his car, Special trunk groove mount requires just two tiny $7 / 32^{\prime \prime}$ holes in groove of car trunk lid. Antenna holds securely and is adjustable to all cars. Features base loaded, weatherproof phasing transformer (only $4^{\prime \prime}$ high, $1^{\prime \prime}$ diameter) and a $39^{\prime \prime}$ stainless steel whip. Complete with all mounting hardware, simple mounting instructions. Less cable. Shpg. wt., 5 lbs .
42 T 0145 $\qquad$ Net 9.99

## LAFAYETTE "RAPID-GRIP" MOUNT BASE LOADED MOBILE CB ANTENNA

- "Rapid-Grip" Mount Provides Permanent Antenna installation In Seconds Without Drilling Holes
"Rapid-Grip" mobile antenna is especlally suitable for trunk mounts. No holes to arill. Slips over trunk lip. Cable is completely hidden. Neat, trim, professional appearance, Offers ideal omnidirectional signal pattem. Water resistant Dody seal. $39^{-}$Staintess Steel whip. Base loaded phasing transformer completely weather proof. Overall length $43^{\prime \prime}$. Less cable. Has fug terminals for ${ }_{42}^{42}-7002$ cable assembly. Wt., ${ }^{3}$ ibs. 42 T 0152

The Lafayette Base Loaded "Auto-Top" Citizens-Band antenna offers the CB'er the ideal omni-directional signal pattern with very low signal to noise. This quality antenna consists of an inconspicuous base loaded, neutral gray weatherproof phasing transformer (only $4^{\prime \prime}$ high. and $1^{\prime \prime}$ in diameter), a $39^{\prime}$ stainless steel whip, and all mounting hardware including complete and simple mounting instruction sheets. Antenna mounts in $1 / 4 / 4$ hole. Comes less cable. Shpg. wt. 2 lbs.
42 T 0120w
Net 7.99

## Only



MADE IN U.S.A.

LAFAYETIE CB BUMPER MOUNT ANTENNA WITH STAINLESS STEEL STRAP

- Cadmium Plated Bumper Mount with Plated Steel Strad
-102" Stainless Steel Whip,
- Heavy-Duty Cadmium Plated Steel Spring
An outstanding Lafayette CB antenna featuring a full-size $102^{\prime \prime}$ stainless steel whip and a fully adjustable steel plated mount with a steel plated strap which was speclally designed to fit most cars. Heavy duty plated steel spring is built for extremely rugged mobile use. Less cable. Imported.
99 T 3032 wx Shpr. wt., 3 lbs


## 20 FT. COAXIAL CABLE ASSEMBLIES

- FOR MOBILE APPLICATION


These cable assemblies are necessary for connection between Citizens Band Transceiver and Antenna. TYPE A-Consists of 20 ft . RG-58/U cable with PL-259 plus UG$175 / \mathrm{U}$ on both ends. Required for Ground Plane and Coaxial and Mobile Antennas terminating in a coaxial fack. Shpg. wt., 8 oz . 42 H 7001 Type $A ; 20 \mathrm{ft}$. length

Net 2.99
TYPE B-Same as Type A except one end is terminated with PL-259 plus UG-175/U and other end with universal ring type terminal lugs for mobile antennas. Shpg. wt., 8 oz. RECOMMENDED FOR USE WITH LAFAYETTE ALL STAINLESS STEEL MOBILE ANTENNA ABOVE. 42 T 7002 Type $B ; 20 \mathrm{ft}$. length

Net 2.75

## Economy 2-Way Radio Systems!



## LAFAYETTE COMSTAT 23 MARK V 23 CHANNEL CB 2-WAY SYSTEMS BASE SYSTEMS <br> MOBILE SYSTEMS

Lafayette Comstat 23 Mark V CB Transcelver

Heavy Duty Ground Plane Antenna ........ 10.95
50 Ft. RG-8/U Low-Loss Cable Assembly 8.50
TOTAL 119.40
42 T 9136 wxM Shpg. wt., 23 lbs. Net 114.95
Above system with "Range Boost II" Deluxe 1/2 wave end fed antenna instead of ground plane antenna. Shpg. wt., 29 lbs.
42 T 9137 WXM
Net 122.95
SAVE 5.45 from individual catalog prices?


Package Price


SAVE 4.45
from individual catalog prices!

Lafayette Comstat 23 Mark y
$\qquad$ 99.95 HA-19 Mobile Power Supply 13.95 Stainless Steel Body Mount Antenna .... 6.95 20 Ft. RG-58/U Coaxial Cable ............ 2.75 Mobile Mounting Bracket …................ 2.95

TOTAL 126.55
42 T 9149wXM Shpg. wt., 17 lbs . Net 120.95 Same system as above except with bumper mount antenna instead of bodv mount. 42 T 9150 WXM Shpg. wt., 16 lbs . Net 122.95 SAVE 5.60 from inoividual catalog prices! Same system as 42 T 9149 WXM except with CB/AM combination Broadcast and CB cowl mount antenna.
42 T 9151 wXM Shpg. wt., 18 lbs . Net 119.95 SAVE 4.85 from individual catalog prices!


LAFAYETTE COMSTAT 25A CB 2-WAY SYSTEMS

BASE SYSTEMS
Lafayette Comstat 25A CB Transceiver 139.95 Heavy Duty Ground Plane Antenna.... 10.95 50 Ft. RG. $8 / \mathrm{U}$ Low.Loss Coaxial Cable $\quad 8.50$ TOTAL 159.40

## System Price 5150 SAVE

From Individual Catalog Prices!

42 T 9102 WXM Shpg. wt., 27 lbs. Net 151.50

Same package as above except with "Range Boost II" high gain $1 / 2$ wave length base sta. tion antenna. Shpg. wt., 33 lbs.
42 T 9103WXM
Net 159.95
SAve 8.45 from Individual catalog prices.

## MOBILE SYSTEMS

Lafayette Comstat 25A CB Transceiver 139.95 Stainless Steel Body Mount Antenna $\quad 6.95$ 20 Ft. RG-58/U Coaxial Cable Assy. .... 2.75 TOTAL 149.65

## System Price

From Individual Catalog Prices!

42 T 9098 WxM Shpg. wt., 21 lbs. Net 142.95

Same system as above except with Bumper Mount instead of Body Mount antenna. Shpg. wt. 20 lbs .
42\}9099WXM
Net 144.50
SAVE 7.15 from individual catalog prices!


MODEL HB-23 SYSTEMS

## MOBILE SYSTEMS

HB-23 Solid State CB Transceiver ........ 99.95
Stainless Steel Body-Mount
Whio Antenna
20 Ft. RG-58/U Coaxial Cabl............... 6.95
Assembly 2.75
TOTAL 109.65

## Package 1095 SAVE Price <br> 104.70

From Individual Catalog Prices!
42 T 9113 wxM Shpg. wt., 13 lbs. Net 104.95
Same system as above except with bumper mount antenna. Shpg. wt., 12 lbs. 42 T 9114WXM

Net 106.50 SAVE 5.15 from individual catalog prices! HB-23 plus CB.AM Adapter Antenna. Converts regular Broadcast car cowl mount antenna for operation on AM and CB. 42 T 9115 WXM Shpg. wt., 10 lbs . Net 102.95 SAVE 3.95 from individual catalog prices! BASE SYSTEMS
HB- 23 Solid State CB Transceiver Model HB-502A 117 VAC Solid State

Power Supply and Charger
16.95

Heavy Duty Ground Plane Antenna 50 Ft . RG-8/U Low-Loss

Coaxial Cable Assembly $\quad 8.50$
TOTAL 136.35

## Package 10095 SAVE Price <br> $129^{5}$6.40

From Individual Catalog Prices!
42 T 9t42wxM Shpg. wt., 27 lbs. Net 129.95
Same as above except with high gain "Range Boost II" base station antenna.
42 T 9144 WXM Shpg. wt., 33 lbs. Net 137.95
Save 7.40 from individual catalog prices!


LAFAYETTE COMSTAT 19 CB 2-WAY SYSTEMS

## BASE SYSTEMS

Lafayette Comstat 19 CB Transceiver 64.95 Heavy Duty Ground Plane Antenna .... 10.95 50 Ft. RG•8/U Low-Loss Coaxial Cable 8.50 TOTAL 84.40

## Package 7095 SAVE 4.45

From Individual Catalog Prices!

42 T 9057 WxM Wt., $221 / 2$ lbs. .... Net 79.95

Same package as above except with Lafayette
"Range Boost 11 " $1 / 2$ wave length high-gain base station antenna instead of Ground Plane antenna. Shpg. wt., 281/2 lbs.
42 T 9077WXM
Net 88.50
YOU SAVE 4.50 from individual catalog prices!

## MOBILE SYSTEMS

Lafayette Comstat 19 CB Transceiver 64.95 Mobile Power Supply (Neg. or Pos. Gd.) 13.95 Stalniess Steel Body Mount Antenna ... 6.95 20 ft. RG-58/U Coaxial Cable Assy. .... 2.75 TOTAL 88.60

| Package |  |  |
| :---: | :---: | :---: |
| Price | 035 | SAVE |
| 4.65 |  |  |

From Individual Catalog Prices!

42 T 9104 WxM Shpg. wt., 21 lbs. Net 83.95

Above except with Bumper Mount instead of Body Mount Antenna.
42 T 9105 WXM Shpg. wi., 20 lbs. Net 85.95 SAVE $\$ 4.65$ from individual catalog prices!

# Economy Solid State 2-Way Radio Systems! 

See Top Page 49 ? for Antenna \& Cable Accessories


MODEL HB-625
DELUXE 23 CHANNEL SYSTEMS
MOBILE SYSTEMS
Model HB-625 Deluxe Solid State
CB Transceiver....................... 189.95
Stainless Steel Body Mount Antenna .... 6.95 20 Ft. RG-58/U Coaxial Cable Assembly 2.75 TOTAL 199.65
42 T 9128 WXM Shpg. wt., 27 lbs. Net 190.95
Same system as above except with bumper mount instead of body mount whip antenna. 42 T $9129 w x M$ Shpp. wt., 26 lbs. Net 192.50 save 9.15 from individual catalog prices!

Same system as 42 T 9129WXM except with mobile trunk mount antenna
42 T 9130 WXM Shpg. wt. 28 lbs. Net 193.50 SAVE 9.19 from individual catalog prices! BASE SYSTEMS
Model HB-625 Deluxe Solid State
CB Transceiver
189.95

Model HB-502A Solid State 117VAC Power Supply
16.95

Heavy Duty Ground Plane Antenna
10.95

50 Ft . RG-8/U Low-Loss Cable
TOTAL 226.35
42 T 9140 WXM Shpg. wt., 31 lbs. Net 214.95

Package Price
$190^{5}$
YOU SAVE 8.70
from intlividual catalog prices!

Package Price $214^{4}$ YOU SAVE 11.40
from individual catalog prices!


MODEL HB-525C 23 CHANNEL SYSTEMS

## MOBILE SYSTEMS

HB-525C Solid State CB Transceiver 149.95 Stainless Steel Body Mount Antenna .... 6.95 20 Ft. RG.58/U Coaxial Cable Assembly 2.75 TOTAL 159.65 42 T 9118 wxm Shog. wt., 15 lbs . Net 152.95 Same system as above except with bumper mount antenna. Shpg. wt., 14 lbs .
42 T 9119 WXM ....................... 154.75 SAVE 6.90 from individual catalog prices!

## BASE SYSTEMS

HB-525C Solid State CB Transcelver 149.95 Model HB-502A 117 VAC Solid State

Power Supply/Charger .................... 16.95 Heavy Duty Ground Plane Antenna .... 10.95 50 FL. RG-8/U Low-Loss Cable Assembly 8.50 TOTAL 186.35 42 T 3143 WXM Shpg. wt., 29 ibs. Net 178.95 Same system as above except with high gain "Range Boost II" $1 / 2$ wave length base station antenna. Shpg. wt., 35 lbs.


## Package Price

$152^{35}$
YOU SAVE 6.70
from Individual cataleg prices!

Package Price
$178^{8}$
YOU SAVE 7.40
from individual catalog prices!


TELSAT-23 23-CHANNEL SYSTEMS

## BASE SYSTEMS

Telsat 23 Solld State CB Transcelver 159.95 Heavy Duty Ground Plane Antenna .... 10.95 50 Ft. RG-8/U Low-Loss Cable Assembly 8.50 TOTAL 179.40 42 T 9126 wxm Shpg. wt., 25 lbs. Net 171.95 Same system as above except with "Range Boost II" $1 / 2$ wave length high gain base station antenna instead of ground plane antenna. Shpg. wt. 31 lbs. 42 T 9127 WXM

Net 180.95 SAVE 7.45 from individual catalog prices!

## MOBILE SYSTEMS

Telsat 23 Solid State CB Transcelver 159.95 Stainless Steel Body Mount Antenna ... 6.95 20 Ft. RG-58/U Coaxlal Cable Assembly 2.75 TOTAL 169.65 42 T 9123 WXM Shpg. Wt. 23 lbs Net 162.50


## HB-600 23 CHANNEL SYSTEMS

Model HB-600 CB Transcelver
219.95 Heavy Duty Ground Plane Antenna ... 10.95 50 Ft. RG-8/U Low-Loss Coaxial Cable 8.50 TOTAL 239.40
42 T $9088 w x M$ Shpg. wt., 22 lbs. Net 229.95
Same as above, except with Lafayette "Range Boost II" $1 / 2$ wave length high gain base station antenna.
42 T 9089 WXM Shpg. wt., 28 lbs. Net 238.95 SAVE 9.45 from individual catalog prices! MOBILE SYSTEMS
Package Price

SAVE 7.15
from individual cataleg prices!

## Package Price $177^{18}$

${ }^{2}$ from individual catalog prices!

Model HB-600 CB Transceiver
219.95

Stainless Steel Body Mount-Whip Ant. 6.95 20 Ft. RG.58/U Coaxial Cable Assembly 2.75 TOTAL 229.65
42 T 9046 WXM Shpg. wt., 16 lbs. Net 222.95 Above with Bumper Mount instead of Body Mount Antenna.
42 Y go86wxM Shpg. wt., 15 lbs. Net 224.95 SAVE 6.70 from Individual catalog prices?

System Price
$229^{35}$
SAVE 9.45 from individua! catalog prices!

## System Price



SAVE 6.70 from Individua! catalog prices!
 Up TO 230 Frequencies
 42 T 9146 WXM $\$ 19$ Monthly

Net $369.95 \quad 42 \mathrm{~T} 9148 \mathrm{WXM} \$ 22$ Monthly.
Net 424.95

[^14]
# Se. LAFAYETTE PRIVA-COM® IIIA Solid State Encoder-Decoder 



Using a new ingeniously designed ceramic and resonant tuning fork circuitry instead of conventional reed relays, the Priva-Com Illa is exceptionally adaptable for rellable mobile as well as fixed station performance. Its tiny size makes it a handsome mate for even the smallest solid state CB transcelvers. Its dual tone signal minimizes the possibility of the transceiver speaker being turned on by stray Ignition and power line signals. The Priva-Com IIIA mutes the receiver. When its call switch is activated, either at base or mobile statlons, the transmitted dual tone is received by the other PrivaCom IIIA. The CB receiver is activated and the Indicator light goes

- 9 Transistors plus 2 Diodes
- No Reed Relay Contact Points-Longer Life!
- Dual Tone Minimizes Stray Signal Interference
- Incoming Call Indicator Light
- Mates Directly with Lafayette HB-555, HB-525A, HB-525B, HB-525C, HB-500A, HB-600, HE-20T, HB-625, HB-23, Telsat 23.
- Compatible with Lafayette Priva-Com III, IV and Priva-Com 10


## LAFAYETTE PRIVA-COM* IIIA PLUG-IN TUNING FORK SELECTIVE FILTERS

Choice of any two different frequencies listed below for those wishing to vary their Priva-Com IIlA frequencies. Shpg. wt., 4 oz.
99 T 3552 For 817.5 Hz
99 T 3554 for 922.5 Hz
99 T 3556 For 997.5 Hz
99 T 3553 for 862.5 Hz
99 T 3555 for 967.5 Hz
Each Net 4.95

## PRIVA-COM ${ }^{-}$IV PRIVATE TONE CALLER

Same as Priva-Com III except for use only with Lafayette HB-484/25 (Starting with Serial No. 12101) and for Comstat 25 (starting with

on, This light stays on until manually reset. Both base and mobile ants can initiate calls at any time. The Priva-Com IIIA features o-operate push-bution switches for Standoy, Normal Call and Reset; a Volume Controi; indicator Light; and a sturdy mobile bracket plup-in selective cermic ander thansceiver, efc. Supplied with 2 17.5 seliove ceramic and resonant tuning fork filters, one for 25.5 Hz . and one for 997.5 Hz tone frequencies. Size: $11 /{ }^{\prime \prime} \mathrm{H} \times$ Y" $\times 6$ Ko 0 . imported. Shipg. wt, 3 ibs.

99 T $3158 \$ 5$ Monthly
Net 34.95

TUNING FORK FILTERS FOR PRIVA-COM 111 and IV
To vary your Priva-Com frequencies. Select any two frequencies below not already supplled. Shpg. wt., 4 oz.

99 T 3118 for 817.5 Hz
99 T 3119 for 862.5 Hz

99 T 3120 for 922.5 Hz
99 T 3121 For 967.5 Hz

99 T 3122 For 997.5 Hz
Each Net 4.95


NOW
onl $29^{95}$
LAFAYETTE PRIVA-CON * VI PRIVATE ENCODER-DECODER FOR LAFAYETIE SOLID STATE CB TRANSCEIVERS
Same as Lafayette Priva-Com $V$, except for use with Lafayette Solid State CB Transcelvers only. For use with Lafayette HB-500A, HB-555, HB-525A, HB-525B, HB-525C, HB-600, HB-625, HB-23, and Telsat 23. Compatible with Lafayette Priva-Com V, Priva-Com II, HA-100 and HA-200 (Priva-Com). Not Compatible with Priva-Com IIl, IIIA, PrivaCom IV, or Priva-Com 10. Shpg. wt., 3 lbs,
42 T0150
Net 29.95


## PRIVA-COM® ${ }^{\text {V }}$ PRIVATE ENCODER-DECODER

## For Lafayette Tube-Type CB Transceivers

- Compatible with Lafayette Priva-Com II and VI (Solid State) and with HA- 200 \& HA- 100
- 10 Dual-Tone Frequency Capability
- Incoming Call Indicator Light
- Operates Horn or External Alarm

Mutes CB receiver until a Priv-Com dual tone signal is recelved. The speaker is then activated for audible communications. For use with Lafayette Comstat 25, Comstat 25A, HB-444/25, Comstat 23. H8. $444, \mathrm{HE}-20, \mathrm{~A}, \mathrm{~B}, \mathrm{C}, \mathrm{HE}-90, \mathrm{HB}-111, \mathrm{HB}-200$, HB-222, HB-333, and H8400. Not compatible with Priva-Com III, IIIA, Priva-Com IV, or PrivaCom 10 . Size: $4 \mathrm{Ko}^{\prime \prime} \times 2 \mathrm{~K}_{0}{ }^{\circ} \times 5 \mathrm{~K}_{0}^{\prime \prime}$. Shpg. wt., 3 los.
42 TO149
Net 29.95

## PRIVA-COM 10 SOLID STATE BASE STATION SELECTIVE ENCODER-DECODER

Single Out The Mobile You Want To Reach!

- Push-bulton Selection of Any one of 10 Different Dual-Tone Frequencies
Indicator Lamps Signal and Identify Incoming Calls
- External Speaker/Horn Switch and Terminals
- Dual Tone Minimizes False Triggering On Stray Signals
- Priva-Com Plug Mates directly With Socket On HB-500A, HB-555, HB-525A,B,C, HB-600, HB-625, HE-20T, HB-23 and Telsat 23
- Compatible With Priva-Com III, III A and IV

23 Transistors, 13 Oiodes, 6 Thermistors and 5 Tuning Fork Filters

Expertly designed solid state circuitry features push-button selection and communications with any one of 10 mobile stations at any one time, or with any assorted quantity of remote stations using up to 10 different dual tone frequencies. The remote moblle remains quieted until the call signat from the Priva-Com 10 activates the receiver. When the remote or mobile station inftiates a call to the base station. the Priva-Com 10 indicator lamps signal and identity the call. The indicator lamps remain lit until the reset button is depressed. With a remote speaker or horh connected to the external speaker/horn
terminals an audible signal can be heard with the incoming calt. A standby switch permits continuous active operation with a minimum of current drain. AC convenience outlet for lamps, etc. Attractively styled with brushed aluminum panel and olled walnut wood case. For 115 volt AC $50 / 50 \mathrm{~Hz}$ operation. NOT COMPATIBLE WITH HA-100, HA.200, Priva-Com II, Priva-Com V, and Priva-Com VI. Size: 104/a"W $\times 77 / 9^{\prime \prime} \mathrm{D} \times 334^{\prime \prime} \mathrm{H}$. Shipg. wt., 6 lbs . Imported.
99 T 3161w $\$ 7$ Monthiy
Net 129.95

## LAFAYETTE Comstat 19 5-Watt 2-Way Radio

- 9 Crystal Controlled Transmit and Receive Channels
- Convenient Front Panel Crystal Socket
- Modulation Monitor
- Phone Jack for Private Listening or External Speaker
- Push - To - Talk Ceramic Mike with Coiled Cord and Positive Lock Plug
- Pi Network Antenna Matching
- Convenient Variable Squelch Control
- Sensitive 23 Channel Tuneable Receiver


Advanced electronic circuitry utilizes 7 tubes and 3 diodes to achieve 13 stages of dynamic performance. Sensitive superheterooyne re. ceiver permits reception of weak distant stations even in problem areas. Effective series gate limiter minimizes Ignition and other noise pick-up. Receiver can be manually tuned or crystal controlled. Varlable squelch control permits quiet automatic stand-by operation. Powerfut audio stage delivers up to $100 \%$ AM plate modula. tion for real talk power. Monitor allows visual indication of modu. lation. Built-in 117 VAC power supply and optional 12 VDO power supply (at right) permit virtually unlimited applications. Front panel receive and transmit crystal sockets plus 8 sets of internal sockets combine with 9 switched crystal positions to provide the flexibility of full 23 channel crystal coverage. Front panel phone
jack for private listening or external speaker. Intermediate frequency: 455 kHz . Receiver sensitivity: $1 \mu \mathrm{v}$ @ 10 db signal to noise ratio. Output impedance. 50 ohms. Supplied complete with push to talk ceramic microphone with coiled cord and positive lock plug. bracket for mobile or shelf mounting. 117 VAC power cord, and a pair of crystals for channel 11 . Size: $121 / 4 W \times 81 / 40 \times 5^{\prime \prime} \mathrm{H}$. Shipg, wt., 15 lbs.
99 T 3067 WX $\$ 5$ monthly
Net 64.95
46 I 61 Extra Transmit Crystal (Specify Channel)
Net 2.25 46 T 62 Extra Receive Crystal (Specify Channel)

Net 2.25 HA-19 POWER SUPPLY Adapts Comstat 19 for 12 volt mobile operation. On Negative or Positive Battery. Size $6 \mathrm{~W} \times 4 \mathrm{H} \times 41 / 2^{\prime \prime} \mathrm{D}$. 42 T 4704 W Shpg. WI., 4 lbs.

Net 13.95


No Money Down


## LAFAYETTE NICKEL CADMIUM BATTERY CHARGER AND ELIMINATOR

- Charges at a Rate of 40 ma . per hour
- Permits 117 Volt AC Base Station Walkie Talkie Operation
- Includes Plug-in Battery Holder for Charging 10 " 2 " Cells

Conslsts of a deluxe battery eliminator which permits 117 VAC base station operation of 12 volt walkie talkies rated up to and including 2 watts input. Also includes plug-in battery holder for charging 10 " $Z$ " size nickel cadmium batteries. Charges at a rate of 40 ma per hour. Imported. Shog. wt., 4 lbs.
99 T 3136M
Net 13.99 <br> \title{
LAFAYETTE CB TRANSCEIVER TESTER <br> \title{
LAFAYETTE CB TRANSCEIVER TESTER <br> Measures <br> - RF Power Output <br> - Relative Field Strength <br> - SWR <br> - \% Modulation <br> - Crystal Activity
}

## Generates

- Crystal Controlled RF Signal
- Modulated Audio Signal
- 1 kHz Audio Signal


## Permits

- Aural Monitoring of Local Sransmitters
- Visual Transmitter Monitoring with Oscilloscope


## Provides

- In-Circuit Instant Connection to Antenna Without Removing Cables From Transmitter - Sensitive D'Arsonval Meter

Features front panel jacks for aural and visual monitoring, audio generator output and RF signal generator output; ceramic jacks for standard miniature crystal sockets. Controls include Function Selector, Antenna Selector, Generator. Selector, Modulation Calibrate Switch, Modulation Calibrate Con-
trol and Meter Adjust Control. Sturdy professional type SO-239 sockets accept standard PL-259 connectors. Sturdy attractive molded case with brushed aluminum front panel. $77 / 8 \times 5 \% \times 27 / 8^{\prime \prime}$. Shpg. wt., 4 lbs. Includes 9 V battery; $30^{\circ}$ telescoping antenna. 42 T 0126 \$5 Monthly

## glafayette Our Walkie Talkies Feature

 CB Walkie Talkies

HA-305

(C) 2 CHANREL 7-TRANSISTOR SUPERHET WITH CALL ALERT
(D3.Channel 10-Transistor range BOOST WITH CALL ALERT
$24_{\text {tach }}^{95}$
No License Required
FCC Regulation Part 15
.5 watt 3 channel
(E) CB KALKIE TALKIE WITH RANGE BOOST AND CALL ALERT

Only

## $32^{9}$ 95 <br> Each

# Plug-In Crystals And $=B-\mathcal{E}-\mathcal{R}$ Call Alert 



2 watt 3 Channel

## CB WALKIE TALKIE WITH RANGE BOOST aND CALL ALERT

only
549
NO MONEY DOWN

## EXTRA CRYSTALS FOR WALKIE TALKIES ON PAGES 496-497.

Specify Channel Desired.
46 T 15 Transmit
Net 2.25
46 T 12 Receive
Net 2.25
(A) "SPACE COMMANDER" CB WALKIE TALKIE HA-7OC

- Not a Kit-Completely Wired
- Sensitive Superregenerative Circuit
- Solid State for Low Battery Drain - Interstage Transformer for More Sound

Compact 3 -transistor walkie-talkie features a sensitive superregenerative receiver for minimum nolse pick-up when voice signal is being received. Crystal controlled transmitter provides range up to $1 / 4$ mile. Has push-to-talk button, off-on volume control, and efficient speaker/mike. Supplied with telescopic antenna, crystal, battery, and plastic carrying case. Size: $51 / 2 \times 21 / 2 \times 13 / \mathrm{m}^{\prime \prime}$. Imported. Shpg. wt., 1 lb. Does not have plugin crystals or call alert.
99 T 3080L HA-70C $\qquad$ Net ea. 5.99 99 T 6021 Replacement Battery ..... Net . 21 Optional 9 Volt Lead-Acid Rechargeable Battery Plus Charger. Imported. Shpg. wt., 6 oz. 99 T 9016
(C) 2 Channel 7-TRANSISTOR SUPERHET CB WaLkie talkie ha-73a

- Built-in Call Alert
- Powerful Push-Pull Audio
- Battery Eliminator Jack

New power boost reflex circuit utilizes 7 transistors to achieve higher sensitivity for extended range. 2 -channel operation permits greater flexibility. Call alert system sends or receives a pleasant alerting tone for convenlent calling. Also features Battery Eliminator Jack for 117 Volts AC operation with optional battery eliminator. Case features beautiful die-cast chrome high-lighted front panel. Supplied with carrying strap, telescoping antenna, battery, and plug-in crystals for channel 9. Slize: $57 / 8 \times 1 / 4 \times 23 / 4 "$. Imported. Shpg. wt., 3 lbs.
99 T 3145L HA-73A
Net ea. 15.95
99 T 6021 Replacement Battery ... Net . 21 99 T 3021 AC Battery Eliminator ... Net 2.95 Optional 9 -Volt Lead-Acid Rechargeable Battery Plus Charger. Imported. Shpg. wt., 602. 99 T 9016

Net 2.69

## B 2 CHANNEL 5 TRANSISTOR SUPERHET CB WALKIE TALKIE HA-132

\author{

- Audio Call Alert <br> - Selective Superheterodyne Receiver <br> - 2 Switchable Channels
}

5 transistor, 2 diode circuit employs crystalcontrolled superheterodyne receiver for clear, crisp reception and extra powered 100 milliwatt transmitter using plug-in, easy-to-change crystals for any 2 switchable channels. Transmits and receives alerting audio tone to initiate communications. Supplied with channel 10 transmit and receive plug.in crystals and 9 volt battery. Size: $23 / 4 \mathrm{~W} \times 51 / 8 \mathrm{H} \times 11 / 2^{\prime \prime} \mathrm{D}$. Imported. $21 / 2 \mathrm{lbs}$. 99 T 3185L HA-132_ Net ea. 11.95 99 T 6021 Replacement Battery ... Net . 21

Optional 9 Volt Lead-Acid Rechargeable Battery Plus Charger. Imported. Shpg. wt., 6 oz. 99 T 9016

## (D) 3-CHANNEL

10-transistor range boost WaLKIE TALKIE HE 210A

- Built-in Call Alert
- 10 Dependable Silicon Transistors
- 3-Channels For More Versatility

Features a powerful Range Boost modulated transmitter and efficient superhet receiver in a lightweight, 16 ounce package. Call alert system sends or receives a pleasant alerting tone for convenient calling. Styied in professionally designed black and brushed aluminum metal case. Supplied with antenna, 6 penilght batteries, and a pair of plug-in crystals for channel 10 . Size: $67 / 8 \times 21 / 4 \times$ $15 / \mathrm{B}^{\prime \prime}$. Imported. Shpg. wt., $21 / 2 \mathrm{lbS}$.
99 T 3127 L HE-210A $\qquad$ Net ea. 24.95 Replacement Dry.Cell Batteries ( 6 required) 99 T 6258

Net ea. . 10
Heavy Duty Alkaline Battery (6 required)
99 T 6294 Net ea, 29

99 T 3142 Battery Eliminator
Net 2.95

## (®. .5 wat 3 сhannel cb walikit talie ha-30

\author{

- Built-In Call Alert <br> - Switchable 3 Channel Operation <br> - Large, Efficient Speaker/Mike
}

Lightweight 2-way transceiver includes three switchable channel positions for alternate cholce of frequencles under crowded channel conditions. Call alert system sends or receives a pleasant alerting tone for convenient calling. 117 volt AC operation with optional battery ellminator. 14 transistor, 1 diode, 1 varistor circult features a selective superhet recelver with automatic noise limiting and

## - Range Boost For Extended Talk Power

- Adjustable Squelch, and Noise Limiter
- Superhet Receiver with $1 \mu \mathrm{~V}$ Sensitivity
variable squelch, range boost, .5 watt transmitter, and battery condition indicator. Sup. plled with telescopic antenna, batteries, carrying strap, crystals for channel 9 , and FCC License Form 505. Imported. Wt., $21 / 2$ ibs. 99 T 3139L HA-305 $\$ 5$ Monthly _- Net 32.95 99 T 3186 Eliminator _............Net 7.95 99 T 6294 Alkaline Batt. (8 Req.) - Ea. . 29 99 T 2541 Earphone for above __ Net 1.29
© $\ddagger 2$ wat 3 channel cb walkie talkie ha-303
- 2-Watt Input for Greater Range
- 3 Transmit and Receive Channels
- Range Boost Modulating Circuitry

Powerful walkle takie features 3 channel operation and 2 watt transmitter input for flexible, dependable communications. Superhet receiver utilizes a tuned RF amplifier to pull in weak signals. Built-in alert system sends or receives a pleasant alerting tone for convenient calling. 117 volts AC operation with optional battery eliminator. 13 transistor 4 diode circult features built-in battery meter, push-pull audlo, jacks for external antenna and earphone, and attractive metal case with die cast front panel. Sup-

\author{

- Built-in Call Alert <br> - Superhet Receiver Plus RF Amplifier <br> - Variable Squelch, ANL, AVC
}
plied with telescoping antenna, battery holder (less batteries), set of crystals for channel 11, and FCC License Form 505. Size: $34 / 4 \mathrm{~W} \times 81 / 4 \mathrm{H} \times 1 / 4 / 4 \mathrm{D}$. Imported. Wt., $31 / 2$ lbs.
99 T $3091 L$ HA- $303 \$ 5$ Monthly Net ea. 54.95 99 T 3109 Eliminator Charger ___ Net 13.95 99 I 3135 Spare Battery Holder ... Net .69 32 T 4740 Nicad Batt. ( 10 req.) Ea. 1.12 99 T 6294 Alkaline Batt. ( 10 req.) - Ea. 29 99 T 2541 Earphone for above Net 1.29 42 T 0920 Ext. Antenna Cable _-... Net 2.95



## DYNA-COM 3a <br> ONLY <br> 

No Money Down

## Super Power Long Range walkik

## 3 Watts 3 Channels

## DYNA-COM 3 a

- 6 Stage Transmitter - Range Boost Circuitry
- 12 Transistors, 6 Diodes
- 455 kHz Ceramic Filter - T.V.I. Trap
- Variable Squelch and Automatic Noise Limiting
- $1 \mu \mathrm{~V}$ Sensitivity - RF Surge Protection
- Battery Condition and RF Power Output Indicator
- Jacks for External Antenna \& Battery Eliminator

Lafayette's new Dyna-Com 3a walkle talkie is a hand-held powerhouse featuring 3 full watts of power with added flexibillty of 3 crystal-controlled switchable transmit and receive channels. 12 transistor, 6-diode circuitry incorporates a sensitive superhet receiver which utilizes an RF amplification stage with lightning surge protection, and a highly selective ceramic filter for super reception. Automatic gain control, automatic nolse Ifmler, and variable squeich combine to achieve truly quiet operation, 6.stage transmitter uses Range Boost modulation to increase the sideband modulation and thus provide far greater talk power. Includes TVI trap for minimum TV interference. Meter Indicates battery level on recelve and RF power output on transmit. Jacks are provided for earphone, external antenna, and external power, Operates on batterles or any other 12 volt DC supply. Complete with telescoping antenna, battery holder with batteries, one set of crystals for channel 10 shoulder strap, and FCC Form 505. Imported. Size: $85 / 6 \mathrm{H} \times 33 / 4 \mathrm{~W} \times 1 \mathrm{H} / \mathrm{s}$ "D. Shigg. Wt., $21 / 4$ lbs.
99 T 3194L $\$ 5$ Monthly
Net 64.95
99 T 3198 YL Dyna-Com 3a modified for 26.62 MHz Net 74.95
99 T 3199 YL Dyna-Com 3a modified for $27.575 \mathrm{MHz} \ldots$ Net 74.95

### 1.5 Watts 3 Channels DYNA-COM 2 a <br> - 12 Transistors, 6 Diodes

- 455 kHz Ceramic Filter - T.V.I. Trap
- $1 \mu \mathrm{~V}$ Sensitivity - RF Surge Protection
- Variable Squelch and Built-In Automatic Noise Limiting
- Battery Condition and RF Power Output Indicator

Lafayette's new Dyna-Com 2 a walkie talkie is a compact hand-held 3 channel 1.5 watt transceiver featuring full 23 -channel crystal controlied transmit and receive capabllities, Built-in provisions for 3 switchable channels greatly increases its flexibility. Incorporates latest circuitry for outstanding sensitivity, selectivity, and adjacent channel rejection. Outstanding features include Range boost modulation circuitry, ceramic If filter, TVI trap, RF surge protection, AGC, ANL, variable squelch, and' Battery/PRF output meter. External earphone, antenna and power jacks provided, Operates on built-in batteries or any 12 volt DC power source, Complete with telescoping antenna, batteries, crystals for channel 10 , shoulder strap, and FCC form 505. Size: $85 \% \mathrm{H} \times 33 / 4 \mathrm{~W} \times 11 / \hbar$ 。"D. Imported. Shipping weight, $21 / 4 \mathrm{lbs}$.
99 T $3193 \mathrm{~L} \$ 5$ Monthly _____ Net 49.95
99 T 3196 VL Dyna-Com 2 a modified for 26.62 MHz
99 T 3197 VL Dyna-Com 2a modified for 27.575 MHz Net 59.95

OPTIONAL ACCESSORIES FOR DYHA-COM 22, 32
Heavy Outy Alkaline " 2 " Batteries
99 T 6294 ( 10 required) Net ea. 29
Alternate Nickel Cadimum 8atteries
32 T 4740 (10 Required) Net ea. 140 Extra Crystals, Specify Channel
46 T 14 Dyna-Com 2a Transmit Net 2.25
46 T 11 Dyna.Com 3a Transmit $\ldots \ldots$ Net 2.25
46 T 10 Dyna-Com 2a and 3a Receive ..................................... 25
42 T 0920 External Antenna Adapter Cable ....................... 2.95
99 I 4605 Moblle CIgarette Lighter Cable ................................... 2.95

40 T 7901 Earphone for Dyna-Com 2a, 3a | Net |
| :--- | ---: |
| Net |
| .95 |

99 T 3147 Dyna-Com Battery Eliminatory/Charger __ Net 22.95
Dyna-Charge. Charges Nicad "Z" Cells with external adapter (Incl.) 99 T 3100 Net 9.95
Miniature Top Loadeđ Āntenna. Mounts, on top of collapsed Dyna-Com Telescopic Antenna.
99 I 3143
Net 4.50
42 T 2801 Genuine Top Grain Leather Case.
Net 4.95


## Acclaimed On Land, On Sea, And In The Air!

 5 Watts of PowerYou Can Hold
in Your Hand! 3 chanmes

LAFAYETTE DYNA-COM 5


## No Money Down

* 3 Switchable Crystal Controlled Transmit and Receive Channel Positions
* 5-Watt FCC Maximum Input . . . with the Pover of the Most Powerful Base and Mobile CB Transceivers!
$\star 13$ Transistors, 6 Diodes
* 7-Stage Transmitter for Extra Transmit Socle
* Operate Mobile in Your Car with Optional Cigarette Lighter Plug-in Adapter
* Superheterodyne Receiver With Less Than 1 Hicrovolt Sensitivity for $10 \mathrm{db} \mathrm{S}+\mathrm{N} / \mathrm{N}$ Ratio
$\star$ Mechanical Filter for Superior Selectivity
$\star$ Automatic Compressor Range Boost-Assures High Talk Power
- Variable Squelch and Automatic Noise Limitirg for Minimum Noise
- Battery Condition and Automatic Relative RF Power Output Indicator
- External Antenna Jack Permits Use with Base Station and Mobile Antennas
- Provision for External Battery Pack, Mobile Battery, Charger and Eliminator
- Pi-Network Antenna Matching for Maximum Outpu!

Push-Pull Audio Modulator Circuit
The Dyna.Com 5 is small in size-BIG in performance and versatirity. A Lafayette exclusive, this amazing 2 way radio has every feature you have ever wanted in a compact walkie-talkie. The unique, removable battery pack facilitates charging $n i-c a d$ batterie: on or off the walkie-talkie. You always have a fresh supply of batteries on hand. In addition, an optional portable dry cell power pacs keeps reserve power on tap when you need it. The unit may be connected to your auto, boat or tractor battery and external antenna for the ultimate in portable convenience. Attractive die-cast brushed aluminum case with shoulder carrying strap. Measures only $31 / 4 \forall x 101 / 4 x$ $21 / 4{ }^{\prime \prime} \mathrm{D}$. Supplied with transmit and receive crystals for chasnel 10, telescoping whip antenna and FCC license application Form rer reg. ulation 95 . Imported. Shpg. wt., 5 lbs.
99 I 3087 L .55 Monthly (Less Batteries)
Net 79.95
Extra Crystals (Specily Channel)
46 T 15 Transmit Crystal Net 2.25
46 T 10 Receive crystal N3t 2.25

## DYNA.COM 5 Modified for 26.62 MHz

99 T 3107YL \$5 Monthly
$\mathrm{N}: 189.95$
OYNA.COM 5 Modified for 27.575 MHz
99 T 3108 YL $\$ 5$ Monthly
Nat 89.95


Electronic Miracle of the space age. A complete miniature circuit with 7 transistors and 3 diodes in a capsule no larger than a full size transistor. Sets a new standard of rellability. performance, and compactness.

## DYNA-COM 6

ONLY

* 5 Watts of Input Power - Maximum Power Permitted by FCC For All Licensed CB 2-Way Operation!
* 6 Switchable Crystal Controlled Transmit a 7d Receive Channel Positions for All 23 Chen. nels
* Integrated Circuit Used in Transmit, Receire, and Audio Limiting Circuits
* Mobile Operation with Cigarette Lighter Plug. In Adapter
PCC TYPE A工CEPTED
* Public Address External Speaker Jack with PA Switch and PA Volume Control


# From CB's Number 1! 

# Integrated Circuit plus 12 transistors and 5 Diodes For Super Performance 

- Superheterodyne Receiver With Less Than 1 Microvolt Sensitivity for 10 db . S+N/N Ratio
- Mechanical Filter for Superior Selectivity
- Automatic Compressor Range Boost
- Variable Squelch and Automatic Noise Limiting
- Battery Condition and Automatic Relative RF Power Output Indicator
Lafayette's star performer of the Dyna-Com walkie talkie series features rugged silicon "IC" (microminiature circuit) plus 5 -watts RF input to meet the highest requirements for portable or mobile 2-way communications. The "IC" is engineered into the audio section to virtually eliminate distortion and thus provide better reception with clearer transmis sion than conventional solid state units. 6 -switchable, precision tuned, crystal-controlled operating channels assure sharp definitive, 2 -way communications even over crowded city channels. Full time "RangeBoost" modulation circuit delivers greater effective range. In addition to advanced engineering and brilliant field performance the Dyna.Com 6 has a host of extra features for unsurpassed flexibility...such as built-in PA facilities. automatic gain control, automatic series gate noise limiter. RF Power/Battery
- 19 Transistor plus 8 Diode Performance
- External Antenna Jack Permits Use with Base Station and Mobile Antennas
- Provision for External Battery Pack, Mobile Battery and Battery Charger/Eliminator
- Push-pull audio/modulator circuit for more powerful speech transmission and reception
Condition meter, and variable squelch. Can be connected to any 12 V . DC power source, or operated from 110 V ., $60 \mathrm{cps} A C$ with optional power supply. Attractive die-cast brushed aluminum case with shoulder carrying strap and crystals for channel 10. Size: $31 / 4 \times 10^{1 / 2} \times 21 / 4$ D. Shpg. wt., 5 lbs . Imported. 99 T 3150L $\$ 5$ Monthly (less batteries) .. Net 99.95 Extra Crystals (Specify Channel)
46 T 15 Transmit
Net 2.25
46 T 10 Receive ....................................... Net 2.25
Earphone For Dyna-Com 6
99 T 2541
1.29

Dyna-Com 6 Modified for 26.62 Mc.
99 T 3178YL \$6 Monthly
Net 109.95
Dyna Com 6 Modified for 27.575 Mc.
99 T 3179YL $\$ 6$ Monthly
Net 109.95

See Below for Optional Accessories

## DYNA-COM OPTIONAL ACCESSORIES*

(A) Battery Eliminator/Charger. Plugs into 117 VAC outlet to permit base sta tion operation. Charges up to 12 nicket cadmium batteries at the rate of 40 ma per hour both internally as well as ex. ternally in Dyna-Com 5 and 6; charges batteries of Dyna-Com 2,2a, 3 and 3 a in holder externally with adapter (supplied). Attractive front panel meter normally indicates charging. When button is depressed the meter indicates the battery voltage. Negative ground only. Has fused AC line. Size: $75 / 8 \mathrm{H} \times 5 / 8 \mathrm{D}$ (at bottom) $\times 3-11-16^{*}$ W. Imported. 99 T 3147 Wt., 5 lbs. Net
22.95
(B) Extra Battery Pack for Dyna.Com 5 and 6
Consists of extra removable back of walkie-talkie plus battery holder and 12 nickel cadmium rechargeable batteries. Permits charging of complete Battery Pack outside of walkle-talkie while an. other Pack is in use. Imported.
99 T 3099 Shps. wi., 2 lbs. .. Net 27.50
(C) Cases: Genuine Top Grain Leather Shpr. Wt., 12 Oz.
42 T 2801 For Dyna.Com 2a, 3a Net 4.95
42 T 2802 For Dyna-Com 5 ...... Net 5.95 42 T 2803 For Dyna-Com 6 ...... Net 5.95
(D) Dyna-Pack

Neatly designed external battery pack with 10 "D" slize dry cell batteries. Plugs into DYNA.COMs to assure re serve power when required in the fleld. Imported $3 \times 31 / 8 \times 71 / 2^{\prime \prime}$ 99 т 3101 Shpg. wt., 4 lbs Net 5.95 Replacement "D" Dry Cell Batteries. 99 T 6256 ( 10 required) .... Ea. Net 15 10 for 1.20
Replacement " $D$ " Alkaline Batteries
99 T 6292 ( 10 required) .... Ea. Net . 49

Extra 10 Cell Battery Holder. 99 T 3131

Net 1.95

## (E) Miniature Top Loaded Antenna

Highly efficient coil loaded miniature antenna which mounts on top of collapsed telescopic antenna. It reduces antenna height to approximately $18^{\prime \prime}$. Improves physical interference-free mo. blity where space is limited. Imported. Shpg. wt., 1 lb .
99 T3143
Net 4.50
(F) Dyna-Charge

Charges from 8 to 15 nicad " 2 " size cells Recharging current, 40 milliamps. $117 v .60$ cycle AC input. Plugs directly into DYNA.COM 5 and 6 charge lack and into jack of Extra Back Battery Pack. Charges batteries of Dyna-Com 2, 2a 3 and 3a externally in holder with use of adapter (Supplied). Size: $3 \%, 10^{\prime \prime} \times 23 / 4 \times 2^{\prime \prime}$. Imported. Shpg. 2 lbs. 99 T 3100 ................................ Net 9.95

## Antenna Adapter Cable

Connects PL-259 plug of external antenna to Dyna-Com's external antenna jack. 42 T 0920 (Not lllustrated) ...... Net 2.95

Mobile cigarette lighter cable assembly permits operation of DYNA COM from car 12 volt DC cigarette lighter. 99 T 4605 (Not Illustrated) ...... Net 2.95

Nicad Rechargeable Batteries
12 required for Dyna.Com 5 and 6; 10 for Dyna-Com 2, 2a, 3 and 3a 32 T 4740 (Not illustrated Net ea. 1.40

Alternate Heavy-Duty Alkaline Batteries
12 required for Dyna-Com 5 and 6; 10 for Dyna-Com 2, 2a, 3 and 3a. 99 T 6294 (Not lifustrated) Net ea. . 29

- Applicable to Dyna-Com 2, 2A, 3, 3A, 5 and 6 unless otherwise specified.

(A) Battery Eliminater/Charger

(ī) Dyna-Pack



# Model HE-20T 5-Watt Solid State Citizen Band Two-Way Radio 



> With 7-Stage Transmitter For Extra Transmitting Sock! PRIVACOM ${ }^{\text { }}$ Private Tone Caller Socket

## With RF Overload Protection (Pat. Pend:) Cool Instantaneous Operation

 - 12 Channel Crystal Controlled Transmit and Receive - Push-Pull Audio Modulator • 13-Transistors, 10-Diodes - 23 Channel Tuneable Receive - 455 kHz Mechanical Filter - Spotting Switch for Accurate Reception - TVI Trap - 117 VAC and 12 VDC Negative or Positive Battery Ground- Pi-Net Output - Also a P.A. Amplifier With External Speaker


## FEATURES



1) $\mathbf{1 2}$ Crystal-Controlled Transmit/Receive Positions
2) S/P-RF Switch for Dual Meter Scales
3) Illuminated "S" and Relative RF Power Meter
4) Illuminated 23 Channel Tuning Dial 5) Variable Squelch Control
5) Spotting Switch Pin-points Operating Channel
6) Built-in $4^{\text {s/ }}$ PM Speaker
7) Earphone/External Speaker Jack
8) PA/CB Switch
9) Jack for Push-to-Talk Dynamic Microphone
10) Receive/" $\times$ TAL TUNE" Switch
11) Antenna Jack on Rear Panel Accepts SO-239 Plug

Newest addition to the popular HE-20 series of CB transcelvers. This "ALL." Solid State transceiver is ideal for fixed and mobile communications. Solid state circuitry features low battery drain and provides instant operation; full 5 -watt transmitter input with efficlent push-pull audio modulator; a Pi-network for matching the output to $\mathbf{3 0 - 1 0 0}$ ohm antennas; an extra-sensitive dual conversion superhetrodyne receiver for a powerful signal to push through interference of crowded channels. Fine selectivity and adjacent channel rejection is obtained through a 455 kHz mechanical filter. Sensitivity: $.7 \mu \mathrm{v}$ for 10 db signa! - to-noise ratio; Image Rejection: 15 db Receiver also incorporates automatic floating series.gate noise limiter and variable squelch control resulting in virtualiy no background noise between calls. Other features: dust-free transmit/ receive relay, earphone jack for headohones or external extension speaker for CB/PA application, television interference trap, mobile mounting bracket, front panel mounted $4^{\prime \prime}$ speaker, a rear mounted low-loss antenna jack accepts \$0-239 connector used with ground plane and direct mounting antennas. Also features Priva-Com private tone caller socket which accepts Lafayette Priva-Com III, IIIA, VI., or Priva-Com 10. Complete with fused DC line cord for negative ground battery, push-to-talk mike and set of crystals for channel 9. Includes FCC license application form 505, per regułation 95. Size: $81 / 4 \mathrm{D} \times 43 / 8 \mathrm{H} \times 113 \mathrm{~B}$ "D. Imported. Shpg. wt., $131 / 2 \mathrm{lbs}$. 99 T 3088wX $\$ 5.00$ Monthly

OPTIONAL ACCESSORIES
99 T 3106 Positive ground fused 12 VDC cord. $\qquad$ Net 1.50 46 T 15 Extra transmit crystai (specify channel) $\qquad$ Net 2.25 46 T 12 Extra receive crystal (specify channel) tion.
HE-20T MOdified for 27.575 MHz (GOV'I) operation
99 T 3103 WXY $\$ 5.00$ Monthly
99 T 3103 WXY $\$ 5.00$ Monthly
Net 99.95 HE-20T Modified for 26.62 MHz (C.A.P.) operation. 99 T 3102 WX Y $\$ 5.00$ Monthly Net 99.95

# 23 Channel Crystal Controlled Two-Way Radio 



## ALL CRYSTALS SUPPLIED

## LAFAYETTE

Comstat 23 Mark V

Only
9995

## Designed for

High Performance

Never before so much for so litne! Lafayette offers a truly great CB value, the Coms"at 23 Mark $V$ deluxe CB Transceiver with 23 actiie Crystal-Controlled channels, at an amazing low price. Crystal synthesizer circuit includes all crystals necessary fcr active coverage of all 23 CB Chann 2 s. Each channel is clearly identified on the illuminzted channel selector dial. Features a sensitive and selective dual conversion superheterodyne receiver, variable Squelch control for quieting receiver during "no-signal" conditions, and tape recorder outplt jack on rear panel. RF output is coupled through a highly effective Pi Network and Low Pass Filter for maximum energy transfer to antenna with low harmonic radiation. Range Boost circuitry is inc arporated for greater average talk power. Includes a Standby switch for low current drain and instan:- operation. Jperates Mobile with use of optional 12 Volt power supply. Size: $12 \mathrm{~W} \times 8 \frac{1}{2} \mathrm{D} \times 5^{\prime \prime} \mathrm{H}$. Imported. Shpg. wt., $151 / 2 \mathrm{lbs}$. 99 T 3160WX \$5.00 Monthly
$\mathrm{N}=\mathrm{t} 99.95$

## OPTIONAL ACCESSORIES

HA-19 DC Power Supply. Pemits 12 Volt Mobile Operation. $6 \mathrm{~W} \times 4 \mathrm{H} \times 4 \mathrm{~L}_{2}{ }^{\prime \prime} \mathrm{D}$. Shfg. wt., 4 lbs.
42 T 4704 W
Mobile Mounting Bracket tacilitates under-dash Mobile Mounting. Shpg. wt., 2 lbs.

Net 2.95

- 14 Tube Performance with 9 Tubes, and 9 Diodes
- Dual Conversion Receiver Features $8 / 10 \mu \mathrm{~V}$ Sensitivity
- Pi-Network and Low Pass Filter for Maximum Power Output
- Internal Range Boost Circuitry for Greater Average Talk Power
- Built-in 117 VAC Power Supply, Operates Mobile with Optional 12 VOC Power Supply
- Variable Squelch Control with Standby Switch for Low Drain Instant Operation



## ALL CRYSTALS SUPPLIED

# 23 Channel Crystal Controlled 2 Way Radio 

${ }^{20 \times 1} 139^{95}$

NO MONEY DOWN

- 17 Tube Performance with 11 Tubes, 2 Transistors and 11 Diodes
- Built-in 117 VAC, 12 VDC Solid-State Power Supply
- Dual Conversion Receiver Features 8/10 $u$ v Sensitivity
- Range Boost Circuitry for Added Talk Power
- Pi-Network and Low Pass Filter for Maximum Power Output

Pace-setting Comstat 25A transceiver features high performance circuitry for superb mobile and base station operation. "RANGE BOOST" greatly increases the average talk power and raises the overall modulation percentage. 2.5 kHz total spread of fine tuning vernier facilitates accurate reception. Highly selective circuits greatly suppress adjacent channel interference ( -45 db ). Variable squelch quiets receiver between calls. Pi-network final tank circuit and lowpass filter combine to provide efficient power transfer into the antenna with superior harmonic suppression. Crystal frequency synthesizer enables operation on all 23 CB channels with crystals supplied. No
extra crystals are necessary! |Built-in dual purpose power supply allows 12 . VDC mobile and 115-VAC base station operation. Front panel switch converts transceiver to a handy 4.5 watt public address amplifier. A convenient front panel jack for headphones or external extension speakers for CB/PA is provided. Comstat 25A also features push-to-talk relay switching and plug-in ceramic microphone with coiled cord. Rear socket is prewired to accept Lafayette Priva-Com selective call unit. Complete with vari-tilt mounting bracket. With FCC License Application Form 505 per Regulation 95. Size: $12 \mathrm{~W} \times$ $8^{1 / 2} \mathrm{D} \times 5^{\prime \prime} \mathrm{H}$. Imported. Shpg. wt., 16 lbs. 99 T 3130 WX $\$ 7.50$ Monthly.... Net 139.95

I. Range Boast Switch
2. Illuminated "S"/"PRF" Meter
3. Illuminated Channel Indicator
4. Single-Knob Channel Selector
5. Modulatian Indicator Light
6. Front Panel PM Speaker
7. CB/Public Address Switch
8. Headphane/External Speaker Jack
9. Pasitive-Lock Mike Connector For Push-To-Talk Ceramic Microphone
10. 2.5 kHz Fine Tuning Vernier
11. Volume Control/Power Switch
12. Adjustable Squelch Control with Stand by Switch for Low Drain Instant Operation
13. Wired-In Privo-Com Socket

# With Revolutionary New 



Mobile


## LAFAYETTE HB-525C Solid State Mobile 2-Way Radio

## Accepts Priva-Com( ${ }^{\text {(3) }}$ <br> Plug-In Private Tone Caller

- 23 Transistors Including Integrated Circuitry, 9 Diodes, 1 Thermistor
- Dual Conversion For High Selectivity
- 3-Position Crystal Delta Tune
- Transmit Mode Indicator Light
- Pi-Network for Optimum RF Output
- Mechanical 455 kHz Filter
- Automatic S/Prf Illuminated Meter
- Variable Squelch Plus Series Gate Automatic Noise Limiting
- Range BoostTM Circuitry for Added Talk Power
- P.A. Amplifier with External Speaker
- Auxiliary Audio Input Jack
- 12 Volt DC Operation (Neg. and Pos. Ground)


## 23 Crystal Controlled Channels.

$\qquad$

## ALL CRYSTALS SUPPIIED!

## NOW with New RF Overload Protection (Pat. Pend.)

Lafayette's latest member of the famous HB-525 Series CB Transceivers. Now with all the great features plus new revolutionary Integrated Circuit. Crystal controlled synthesizer provides 23 channel transmit and receive operation, all crystals sup-
plied. Dual conversion peceiver incorporates 455 plied . Dual conversion receiver incorporates 455 Circuit for high selectivity, superior adjacent channel rejection, and extra long life. Variable squelch quiets receiver when no signal is being received. 3-position delta tune permits easy copy of off-frequency stations. Powerful 5 watt transmitter features range boost modulation circuit for greater effective range. Illuminated S/Prf meter indicates signal strength on receive and RF output in trans-
mit. Full public address provisions include audio mit. Full public address provisions include audio with PTT dynamic mike, mobile mounting bracket.

DC cable, and FCC license Form 505. Size: $23 / 8 x$ $61 / 4 \times 8^{\circ \prime \mathrm{D}}$. imported. Shpg, wt., 7 lbs. 99 T 3156 WX \& Monthly Net 149.95 MODEL H8-502A AC POWER SUPPLY/CHARGER 99 T 3153 W Shpg. Wt., 5 lbs. ................... Net 16.95 MODEL HB-506. PÓRTABLE DC POWER PACK attaches to $\mathrm{HB}-525 \mathrm{C}$ for convenient portable operation. Shpg. Wt., 2 lbs.
99 T 3154 Less Batteries 19.95
"C" Ory Cell (8 req.) for HB-506. 99 ; 6257 ;a. 10 for 1.20 "C" Alkaline, Alt. HB-506 Battery (8 rea.) 99 T 6293 . Alt HB 505 Battery (10 ...ea. Net . 39 32 T 4888 Alt. HB-506 Battery (10 req.) Net 4.06 99 T 4608 CB Dynamic Desk Mike Net 11.95 *D.O.T. Permits Legal Operation On 19 Channels Only in 27.00 MHz Thru 27.30 MHz Range.

## New Revolutionary



- Double Conversion Superhet Receiver
- Mechanical Filter Plus IC For Super Selectivity
- Excellent Sensitivity of Less Than 1 av.
- Range Boost Circuitry For Added Talk Power
- Accepts Priva-Com Plug-in Private Tone Caller
- Full Public Address Amplifier Provisions

An exciting feature packed deluxe 23 channel 2 -way radio ready to serve as either a 117 volt AC base or 12 volt DC mobile station. Entire design is geared toward communications reliability. Use of revolutionary space age integrated circuitry assures greater sensitivity and selectivity with high efficiency and low power drain. Operate this unit mobile virtually without fear of reducing battery voltage below starting level. Full 23 channel crystal controlled transmit and receive operation-all crystals supplied. Receiver's superior selectivity is attained by using carefully tuned IF stages coupled with a hand crafted mechanical filter. Deita tune permits copy of "off channel" stations. Full legal power transmitter uses Range Boost modulation for far greater talk power. Front panel light indicates presence of RF energy at antenna socket. Illuminated S/Prf meter reads signal

- Illuminated Automatic S/Prf Meter
- Variable Squelch Plus Noise Limiting
- Automatic Transmit Indicator Light
- 3.Position $\pm 1.4 \mathrm{KHz}$ Crystal Delta Fine Tune
- Pi-Network For Optimum RF Output
- TVI Trap Minimizes TV Interference
strength on receive and RF output on transmit. Built-in public address provisions include audio input for tape recorder, tuner, etc. and tape output Jack for recording. Accepts Lafayette PrivaCom plug-in private tone caller. Optional caller utilizes dual tone signal to minimize stray keying. Supplied with PTT dynamic microphone, mobile mounting bracket, DC cable, and FCC License Form 505 . Size: $4 \% \mathrm{H} \times 11^{1} \% \mathrm{~W} \times 8$. D . Imported. Shpg. wt., 11 lbs.
99 'T $3157 \mathrm{WX} \$ 8 \mathrm{mo}$.
Net 159.95
Dynamic Desk Stand Push-To-Talk Mike Shpg. Wt., $1^{1 / 2}$ lbs. 99 T 4608 .................................................. 11.9
DC Cable for positive ground vehicles. Shpg. wt. 8 oz. 99 T 3106

PLuS Choice From 5 Business Band Frequencies*

## HB-600 "CB Commander" Solid State 2-Way Radio

## 15 Stage RF Ignition Noise silencer (Pat. Pend.)! Now With New RF Overload Protection (Pat. Pend.)

- Unique RF Noise Silencer (Pat. Pend.)
- 21 Transistors, 13 Diodes-Draws 1 ampere Maximum Dn Full Transmit!
- Mechanical Filter for Ultra Selectivity and Adjacent Channel Rejection
- Ulitra-Stable Circuit Uses A Separate Crystal for Each Transmit/Receive Channel-All CB Crystals Supplied!
- Plug-in Dependable Sealed Relay Switching
- $0.5 \mu \mathrm{~V}$ Dual Conversion Receiver with 3.Crystal "Delta" Fine Tuning - Pi-Network Dutput With Low Pass Filter
- Plug-in Facilities for Lafayette Selective Call Unit
- Dperates As a PA Amplifier with External PA Speaker
- Built-in Solid State 117 Volt AC and 12 Volt DC Power Supply
- PHONE JACK. For headphones or speaker.
- NOISE LIMITER. Provides choice of noise reduction circuits-(A)
dynamic microphone with coile , microphone with coiled cord, AC and DC power cables, "quick-release 1l'K." wide, 8 " deep. Shpg. wt., 11 libs. tlimited to 19 channels in canada from 27.00 MHz to 27230 MHz Imported

99 T 3071wx $\$ 11.00$ monthly
BUSINESS BAND CRYSTALS
The same crystal has both transmit and receive functions. Only one crystal required or each frequency listed below.

$\begin{array}{ll}42 \mathrm{~T} 4258 & 27.265 \\ 42 \mathrm{THz} \\ 4259 & 27.275 \\ \mathrm{MHz}\end{array}$
"CB Comma
The "CB Commanter" offers every feature you'll ever want in a 2 -way CB radio PLUS provision for Business Band operationt you get 23 crystal-cuintiulled CD channels plus 2 extra channels - lets you choose from 5 Business Band frequen average modulation and lets your volce cut through noise to reach further! A dual average modulation and ets your voict cut through noise to reach further! a deceiver provides high sensitivity - pulls in even the weak signals! A unique 5 -stage RF Ignition Noise Silencer (Pat. Pend.) provides excellent Ignition noise reduction, llterally "chops out" ignition noise - even really weak slgnals become perfectly inteliligible under severe ignition noise conditions - you learn what quiet operation really means! Dther top features include a mechanical filter for razor-sharp selectivity, Delta tuning, Variable Squelch, effective Automatic Nolse Limiter Push.Pull audio, plus provision for Public Address operation with external speaker. Built in solid-state $A C$ and $D C$ power supply permits low drain operation on 117V AC or 12 V DC (Neg. or Pos. Gnd.). Supplied with push-to-talk

- RANGE BOOST. For greater "talk-power.

RANGE BOOST. For greater "talk-power.
to suit operating conditions. Full counter-clockwise for PA operation


23 Crystal Controlled Channels .... ALL CRYSTALS SUPPLIED


## 18 Transistors +3 I.C.'s $=40$ Transistor Performance!

- Selective Dual Conversion Superhet Receiver
- 3.Position Delta Tune for Accurate Tuning
- Mechanical Filter for Superior Selectivity
- Front Panel Transmit Mode Indicator Light
- Push-To-Talk Dynamic Microphone
- Pi-Network for Optimum Signal To Antenna
- Variable Squelch Plus Automatic Noise Limiter
- Range Boost Circuitry for Added Talk Power
- Built-in Public Address Amplifier Facilities
- Low Battery Drain - Instantaneous Operation
- Accepts Priva-Com Plug-in Private Tone Caller
- 12.Volt Portable or Mobile DC Dperation



Madulated Signal With Noise Pulses

Super quiet 3 stage RF Noise Silencer On utionary 10 transistor Noise Silencer utilizes a revo Iutionary 10 transistor 7 diode integrated circult to achieve 12 transistor overall performance. Unlike operate in the audio stage to merely limit the noise, operate in the audio stage to merely limit the noise,
the $R F$ noise silencer employs a receiver circuit to actually silence the receiver for the brief duration of each noise impulse-eliminates it before it even reaches the audio stages! You get spectacular reduction of ignition noise without distortion, audible holes or volume reduction. Even really weak signals become perfectly readable under the most severe noise conditions. Just listen and you'll know what really quiet reception is.

The HB-625 is a superb transceiver which truly achieves a conquest over the major problems of citizens band communications-adjacent channel interference and unwanted noise. Today's crowded channels create a demand for the highest possible selectivity. The HB-625 incorporates a highly selective 455 kHz mechanical filter to provide superior skirt selectivity to virtually eliminate adjacent channel splatter. Automobile and other short duration noise pulses become intolerable with moderate range 2 -way communications. The HB-625 utilizes a patented 3 stage RF noise silencer to keep ignition noise interference from getting into the receiver's audio without cutting the incoming sig. nal strength. This system has been proven to be vastly superior to common noise limiting techniques by actual field tests. Range Boost audio system uses revolutionary new IC micro-
circuits for the ultimate in efficiency with improved average modulation for increased effective talk power.
Dual conversation superheterodyne receiver has 3-position delta tune for accurate off channel tuning. Variable squelch and standard ANL combine with noise silencer to provide quiet, pleasurable reception. Other quality features include a built-in public address amplifier facility with rear panel jack for hi-fi tuner or tape recorder input. Operates from 12 volts DC positive or negative ground or on 117 volts AC with optional power supply. Supplied with mounting bracket, power cord, PTT dynamic microphone with coiled cord, and FCC Form 505 CB License Application. Size $23 / 8 \mathrm{H} \times 61 / 4 \mathrm{~W} \times 8^{\prime \prime} \mathrm{D}$. Imported. Shpg. wt., 7 lbs.
99 T $3148 \mathrm{WX} \$ 10$ Monthly
Net 189.95

## CUSTOM HB-625 ACCESSORIES

MODEL HB.502A SOLID-STATE 117 VAC POWER SUPPLY/ CHARGER. Enables operation of the HB-625 transceiver as CHARGER. Enables operation of the HB-625 transceiver as
a table top base station. Can also be used to charge nicad a table top base station. Can also be used to charge nicad
batteries used with HB.506 portable power pack.
99 T 3153 W

OYNAMIC CB BASE STATION DESK MICROPHONE 99 T 4608 Shpg. wt., 1 1/2 lbs.

## MICROPHONE PLUG. Permits use of microphone with HB-625.

 99 T 62 83 Net .99
## MODEL HB. 506 PORTABLE DC POWER PACK.

Attaches to HB-625 to permit convenient portable DC operation. Includes battery pack (less batteries), telescopic antenna and shoulder strap. Shpg, wt., 2 lbs. 99 T 3154

Net 19.95
BATTERIES FOR HB-506 PORTABLE PACK
BATERIES "C" Cell (8 required)
(Lots of ten)
99 T 6257
99 T 6293 Alternate "C" Alkaline (8 req.)
32 T 4888 Alternate "C" Nicad (10 req.)

| Ea. Net | .14 |
| :--- | ---: |
| Net | 1.20 |
| Ea. Net | .39 |
| Ea. Net | 4.06 |

New Revolutionary


Advanced technological skills have created an achievement which revolutionizes electronics... the contain many transistors and other electronic com contain many transistors and other electronic com ponents in capsule no larger than a conventional of microphotographic etching. Since each IC is repro duced directly from a microscopically accurate photo graphic master the possibility of hidden flaws or defects is virtually eliminated. Designed to last for years... the IC unit requires less servicing than ful sized transistor circuits because of the absence of wires or parts which can become unsoldered or ted the use of additional circuits to attain a new per ted the use of additional circuits to attain a new per
formance high. At the least INTEGRATED CIRCUITS provide greatly increased reliability with small size and reduced power draw.

# GET YOUR MAN EVERY TIME... with LAFAYETTE's Industrial Pocket Pager! 



- Contact: Doctors, Nurses, Supervisors, Engineers, Security Guards, Foreman, Etc. Instantly!

Lafayette's Industrial Selective Pocket Pager introduces a new concept in realistic, eco. nomical local communications with vital personnel normaliy on the move. By insert. ing or clipping the Pocket Pager into your shirt pocket you can easily be reached by your superior who operates a Lafayette solid state 27 MHz transceiver. With the Priva-Com IIIA up to 23 different people can be called vocally with a private message-depending upon the number of active channels in the transceiver. By using the Lafayette PrivaCom 10 selective calling Encoder-Decoder with the 27 MHz transceiver up to 230 dif. ferent people can be contacted with a private vocal message. The selection of the trans. ceiver channel corresponding to the frequency you wish to call followed by the activation of the call button on the PrivaCom unit breaks the Pager's silence and permits the message to be heard through the

Pager. Upon completition of the message the bearer of the Pager activates the reset switch to return the Pager to silent standby. This amazing little Pager operates on one of the 2327 MHz channels depending on its receive crystal (optional). It features an 18. transistor, 5 -diode superheterodyne circuit with RF stage for $0.7 \mu \mathrm{~V}$ sensitivity, mechanical filter for superior selectivity, dualtone squeich, an internal ferrite bar antenna, jack for external antenna, and an zarphone or external speaker jack. It requires the insertion of any 2 of the optional tuning fork filters and a recelve crystal listed below. The Pager uses one 5.4 volt mercury battery or one 5 -volt nickel Cadmlum rechargeable battery (batteries are optional). Size: $51 / 2 \mathrm{H} \times 25 / 8 \mathrm{~W} \times 15 / 16$ "D. Shpg. Wt., 1 Ib. Less Tuning Filters, Crystal and Battery.
99 T 3560L $\$ 5$ Monthly
Citizens Band Equip ..........

## 23 Crystal Controlled CB Channels

## No Money Down

Add 2 More Channels With Each Additional Plug-in Crystal

## ONLY <br> FULL 23 CHANNEL CRYSTAL CONTROLED OPERATION

## No Money Down



## LAFAYETTE HB-23

- Accepts Priva-Com\& Private Tone Caller
- Large $5 \times 3$ Inch Speaker
- Variable Squelch Plus Automatic Noise Limiting
- Portable Operation With Optional Pack
$\begin{array}{ll}\text { - } 12 \text { Volts DC Negative or Positive Ground } \\ 117 \text { Volts } A C \text { With Optional } A C & \text { HB-23 }\end{array}$ Power SuFply

Solld-state ultra compact miniature synthesis CB transcetver incorporates 15 transistors and one Integrated Circuit stage to achieve 20 transistor performagee with superior sensitivity, greatly increased dependability, and lower current drain. Synthesis type frequency controi section utilizes a maximum of sixteen crystals for full 23 chennel operation. Permits economical addition of 2 channels with each plug-in crystal liste1 below. Carefully tuned 455 KHz mechanical filter assures razor sharp selectivity with excellent adjacent channel rejection. Dual converston receiver features 0.7 - sensitivity, ANL variable squelch, and pusspull audio amplifier. Transmitter provides full 5 watt legal I mit input. llluminated front panel meter monitors "S" unlts on recelver and PRF output during transmit. PA Speaker/ Earphone jack for silent listening or public address operatios. Wired to accept Privacom plug-in private tone caller. For 12 VDC negative or positive gro and as supplied. 117 VAC and portable operation achleved with accessories listed below, Complete with dynamic push-to. talk mlerophone, power cable, mounting bracket, fixed crystals for channels 9,13 , and 19 and FCC application Form 505. Engineered by Lafayette and riade in Japan to our highest quality standards. size $5 \%, W \times 77 / 8 \mathrm{D} \times 21 / \mathrm{a}^{\prime \mathrm{H}} \mathrm{H}$. Shpg. wt., $61 / 4 \mathrm{lbs}$.
99 T $3149 \mathrm{WX} \$ 5$ Monthly
Net 99.95
Package of 10 Additional Plug-In Crystals. Converts HB-23 from 3 channels to full 23 channel crystal controlled operation.
99 T 3174 Shpg. wt. 1 b .
Net 25.00
$9973180 \mathrm{~W} \times \mathrm{M}$ HB-23 Plus Above Crystal Pack Net 124.95 Model HB-502A Solid State 117 VAC Power Supply/Charger. Enebles operation of HB-23 as a table top base station for operation on 117 VAC; also charges nickel cadmium batteries used in the HB-507 portable battery pack.

## 99 r 3153W

Net 18.95

## Base Station Oynamic Desk Microphone

99 T 4608 Net 11.95
Model HB-507 Portable Battery Pack. Adapts HB-23 for converient portable operation with shoulder strap. Less "C" batteries.
99 I 3955 Shpp. wt. 2 lbs.
Net 19.95
99 I 6293 "C" Alkaline Battery for HB- 507 ( 8 req.) Net ea. 39 32 T 4888 Alt. Nickel Cadmium Battery ( 10 req.) -_ Net ea. 4.06 OPTIONAL INOIVIDUAL PLUG.IN CRYSTALS: Each Crystal Adds: Operating Channels. Inserts Into Specifled Crystal Sockets.
99 T 3163 Channels 1 and 5; For Socket A $\qquad$ Net 3.45 99 T 3164 Channels 2 and 6; For Socket B $\qquad$ Net 3.45 99 T 3165 Channels 3 and 7; For Socket C 99 I 3166 Channels 4 and 8 ; For Socket $D$ 99 T 3168 Channels 10 and 14; For Socket F $\qquad$ Net 3.45 99 T 3169 Channels 11 and 15; For Socket G Net 3.45 99 T 3170 Channels 12 and 16; For Socket H Net 3.45 99 T 3171 Channels 17 and 16; For Socket Net 3.45 99 T 3171 Channels 17 and 21; For Socket I Net 3.45 99 I 3172 Channels 18 and 22 ; For Socket J Net 3.45 99 Y 3173 Channels 20 and 23; For Socket $L$ Net 3.45


# SUPER Deluxe LAFAYETTE "GUARDIAN 5000" 5 BAND SOLID STATE AC And BATTERY OPERATED AM/FM/SW/FM-VHF PUBLIC SERVICE RADIO A New Conccept In Providing Dramatic Live Radio Coverage 



- The Guardian 5000 Keeps You Informed Of Emergency Situations-Where it Happens, While it's Happening
- Listen To Police, Fire, Civil Defense, 2-Way Business And U.S. Weather Bureau Forecasts*
- You Becume An Informed And Helpiul Citizen In Your Community With The "Guardian 5000"


## OUTSTANDING FEATURES

- Two Separate Front End RF Tuning Sections For Both High And Low FM-VHF Bands
- Variable Squelch Control While Tuning FM-VHF Bands Also Serves As Interstation Muting on Standard FM Band - 28 Semi-Conductor Devices . . . 17 Transistors, 9 Diodes, 2 Thermistors
- Battery Tester And Tuning Meter
- Modern, Convenient Upright Styling For Ease Of Portability

Endless hours of dramatic and Informative radio Ilstening. Monitor the airwaves of the world! Listen to Police, Fire, Civil Defense, 2-way Business and U.S. Weather Bureau forecasts on BOTH THE HIGH (147. 174 MHz ) and Low ( $30-50 \mathrm{MHz}$ ) FM-VHF band. World Wide Radio listening pleasures and excitement is at your fingertips when you tune the 4.12 MHz International Shortwave Band. Enjoy outstanding music by world famous symphonic orchestras and soloists on the music by ward PM band ( $88-108 \mathrm{MHz}$ ), as well as news, weather and sports
stand Standard FM band ( $88-108 \mathrm{MHz}$ ), as well as news, weather and sports
on the standard AM band $(55-1600 \mathrm{kHz}$ ). Advanced space age solldstate circuitry permits instant operation-no loss of precious time due to warmup-permits immedlate response to emergency situa. tions. Two separate front end RF Tuning sections for both high and Iow FM-VHF police bands for greater sensitivity and more and low FM-VHF Police bands for greater sensitivity and more outside noise and interference are drastlcally reduced. Variable

[^15]
[^0]:    Exciting portable radio-phonograph housed in a handsome attache styled case. Press a button and a 2 -speed phono swings down ready to play. Features "Sure Power"... If AC current falls-batteries automatically take over. Automatically changes to record speed you
    are playing. .45 or $331 / 3 \mathrm{rpm}$. Plays $7{ }^{\prime \prime}, 10^{\prime \prime}$, or $12^{\prime \prime}$ records. Also automatically take over. Automaticaliy changes to record speed you
    are playing $\ldots 45$ or $331 / \mathrm{rmm}$. Plays $7,10^{\prime \prime}$, or $12^{\prime \prime}$ records. Also contains a fine AM/FM radio with slide rule tuning, continuous tone control, and built-in FM/AM antennas. Large $4^{\circ}$ speaker. 11 transistors and 4 diodes. Black textured finish with silver trim. Dim: $14 \mathrm{Wx} 101 / 4 \mathrm{Hx} 5^{\sim} \mathrm{D}$. Imported. Shpg. wt., 12 lbs.
    24 T 4108wx $\$ 5$ Monthly
    Net 69.95
    Extra " $D$ " Batteries ( 6 req.)
    $\qquad$
    Exciting portable radio-phonograph housed in a handsome attache
    styled case. Press a button and a 2 -speed ohono swings down ready

    Net ea. . 15

[^1]:    Frequenty Response: $\pm 3 \mathrm{db} 40-18,000 \mathrm{~Hz}$ at $71 / 2$ ips; $40 \cdot 12,000 \mathrm{~Hz}$ at $37 / 4 \mathrm{ips}$. Wow and Flutter: Less than $0.2 \% \mathrm{rms}$ at $71 / 2 \mathrm{ips}$. Signal-to-Noise Ratio: 50 db or better. Bias Erase Frequency: 105 kHz . Cross Talk: Befter than 60 db . Equalization: NAB standard. Overall Distortion: Less than $1.5 \%$ at 0 VU, Sensitivity and Impedance: Inputs - micro. phone, 0.15 mV for $0 \mathrm{VU}, 600$ ohms; Auxiliary (low), 100 mV for 0 VU , 150 K ohms; Auxiliary (high), 500 mV for $0 \mathrm{VU}, 700 \mathrm{~K}$ ohms. Outputs - External Amplifier, iV to 2.5 V variable, 5 K ohms; Headphone, 10 K ohms. Size: $125 / 8 \mathrm{~W} \times 113 / 4 \mathrm{Hx}^{\prime \prime} \mathrm{D}$ (in wood case);

[^2]:    Solid-State Circuitry: 14 transistors, 27 diodes. Frequency Response: $30 \cdot 22,000 \mathrm{~Hz} \pm 3 \mathrm{db}$ at $71 / 2$ ips; $40 \cdot 18,000 \mathrm{~Hz} \ddagger 3 \mathrm{db}$ at $31 / 4$ ips. Wow and Flutter: Less than $0.2 \% \mathrm{rms}$ at $33 / 4$ ips, S/N Ratio: 50 db or better. Harmonic Distortion: Less than $1.5 \%$. Crosstalk: Better than 58 db . Equalization: $71 / 2 \mathrm{ips}$, NAB; $33 / 4 \mathrm{ips}$, RIAA. Input Imped.: Mic., 10 K ohms; Aux, 500 K ohms. Output Imped.: Ext. amp. 3 K ohms; Heads: Two $1 / 4$-track lamination type stereo record/playback; two $V$-track double-gapped high efficiency erase heads. For $110-120 \mathrm{~V} ., 60 \mathrm{~Hz}, \mathrm{AC}$.

[^3]:    System Response: $20-20,000 \mathrm{~Hz}$. Woofer: $10^{\prime \prime}$ acoustic suspension, high compliance with long excursion cone. Response, $20-$ $2,000 \mathrm{~Hz}$. Tweeter: $31 / 2^{\prime \prime}$ high frequency wide dispersion. Re sponse, $2000 \cdot 25,000 \mathrm{~Hz}$. Crossover Network: Electrical (C-C) en ergy transfer circuit. Crossover Frequency: 2000 Hz. Pover Ca pacity: 40 Watts. Impedance: 8 ohms.

[^4]:    Magnet weight: $13 / 4$ ibs. Frequency response: 25 to $20,000 \mathrm{~Hz}$. Free air cone resonance: 22 to 27 Hz . Power handling capacity: $\mathbf{3 0}$ watts. Voice coil diameter: woofer $13 \mathrm{~m}^{\prime \prime}$, tweeter $1^{\circ}$. Crossover network: built-in at 2,000 and $5,000 \mathrm{~Hz}$. L-pad control: high fre-

[^5]:    High quality 3 -way speaker system with modem "Kitten" :tyling. Uses divergent lens principle for phenomenal stereo reproduction when used in pairs. Consists of a $10^{\prime \prime}$ High Compllance Noofer with $2^{\prime \prime}$ voice coil, $41 / 2^{"}$ cone type mid-range speaker, and $1^{\prime \prime}$ dome type ultra-sonic compression driver with wide angle lens for maximum dispersion of sound. Handles 60 watts power. Frequency Response: $35-20,000 \mathrm{~Hz}$. Beautiful everlastinz satin walnut finish with imported durable marole top. Overall dimensions: $211 / 4^{" H} \times 117 / \mathrm{s}^{\prime \prime} \mathrm{D} \times 117 / \mathrm{s}^{-W}$. Stipg. wt., 54 lbs .
    21 T 3478 wx \$8 Monthly

[^6]:    The open end type (Fig. 54) replaces toth Fig. 53 \& 54.

[^7]:    MODEL $4188-15^{\prime \prime}$ Professional Quality Instrument Speaker. Power: 100 watts, impedance: 8 -ohms, Voice Coil: $3^{\prime \prime}$, Magnet Siructure: $104 / 2 \mathrm{lbs}$, , Diameter: $15 \mathrm{~K}_{4}$, Depth: 7 ". Shpg. wt., $181 / 2 \mathrm{lbs}$.
    32 T 3851 wx $\$ 5$ Monthly
    Net $\mathbf{7 6 . 5 0}$
    MODEL 421A-15" Professional Quality Instrument Speaker. Spe. cifically designed for the BASS INSTRUMENTS... Bass Guftars and Organs. Power: 100 watts, Impedance: 8 ohms, Voice Coll: $3^{\circ}$, Magnet
     32 T 3052wx $\$ 6$ Monthly

[^8]:    laeal for converting companion AM-FM car radio listed above to a phonic sound. Features dual channel volume and balance controls, deluxe $A M, F M / F M$ Stereo car radio. Will also convert any 12 volt Stereo indicator $\operatorname{light}$. Dim .: $17 / 8 \times 41 / 2 \times 9^{\circ}$ less speaker . Imported. nepative ground FM radio with a stereo multiplex jack to stereo-

    17 I 7428 Shpg. wt., 4 lbs. $\$ 5$ Monthly
    Net 69.95

[^9]:    Speed color-TV servicing by using this analyzer. Turning off electron guns is as easy as opening switches. Each color gun has its own switch and any combination of colors may be chosen. voltage and current lests are easily performed using single pin jacks provided on the panel. Simplifies purity adjustments, convergence, gray-scale and trackling, voltage test, current measurement and wave form observations. Sturdy compact unit is fully insulated and enclosed. Complete with detailed procedure booklet. $61 / 4 x$ $33 / \times 2^{\prime \prime}$. Shpg. wt.. 6 lbs.
    38 T 1401
    Net 19.95

[^10]:    (2)

    IBT MODEL 31.EXW-5
    ELAPSED TIME METER
    Records operating time of
    AC equipment. Registers in 1/10th hour steps to 9,999.9 hours, then automatically resets. Flange $31 / 2^{\prime \prime}$. mounts in $2 \mathrm{~K}_{0}{ }^{\prime \prime}$ hole, overall depih $3 \mathrm{~K}_{4} "$ For $110-120 \mathrm{v}$., 60 cycle AC. Shpg. wt.. $11 / 4$ lbs.
    38 T 6705

[^11]:    Depend on Lafayette for Complete Stocks, Lowest Prices, Fastest Service

[^12]:    - "Quick-Change" Feature Allows Setting to Any Ratio

[^13]:    (A) Model $250-49$ CB Matchbox. Compact self-contained antenna matching unit enables maximum energy transfer to antenna system. Simple adjustment of "Tune" and "Load" controls correct SWR up to $5: 1$ to give almost perfect 1.1:1 antenna match. Requires no external power source. Size: $4 \times 31 / 4 \times 23{ }^{\prime \prime}$. Shpg. wt., 3 lbs. 42 T 3914

    Net 15.95
    (B) Model 250-849 Antenna Meter. Direct reading antenna meter measures SWR up to 10:1. No external power needed. Slze: $41 / 2 \times 2^{3 / 4} \times 21 / 80^{\prime \prime}$. Shpg. wt., 3 lbs. 42 T 3913

[^14]:    Extia Pocket-Pagers. Shpg. wt., 1 lb .

[^15]:    squelch control achleves truly quiet operation white tuning the
    high and low FM-VHF bands. Operates on 4 ' $C$ '' batteries or 117 VAC household current with AC adapter (included). Excellent quality of tone from large $31 / 2^{\prime \prime}$ speaker makes this a fruly hi-fidelity purtable padio. Telescoping antenna for FM, FM-VHF, and $\$ W$ bands. Built-in ferrite core antenna for AM band. Accessory jack for use of snparate external antenna. Slide rule logging scale for precise tunine. AFC circuitry prevents drift on FM. Beautiful walnut wood grain moided case with metal grill, gold trim, and handle. Includes 4 " C " batteries, earphone, and AC adapter. Dim.: $83 /{ }^{\prime \prime} H \times 6 " W \times 23 / 4 " \mathrm{D}$. (Metal handle $31 / 2^{*}$ ). Imported. Shpg. wt., 6 lbs.
    99 T 3543L $\$ 5.00$ Monthly $\qquad$ $\begin{array}{rr}\text { Net } 59.95 \\ \text { Net ea. } & .14\end{array}$ 99 T 6257 Extra "C" batteries- 4 req. * $162.55 \mathrm{MHz}_{\text {, }}$ or, consult your local weather bureau concerning

